|        | TraceCompass-10.0.0           |       |      |   |       |               |           |              |             |                            |                |
|--------|-------------------------------|-------|------|---|-------|---------------|-----------|--------------|-------------|----------------------------|----------------|
| Date:  | 2024/06/12                    |       |      |   |       |               |           |              |             |                            |                |
|        |                               |       |      |   |       |               |           |              |             |                            |                |
| ection | Content                       | To do | Pass |   | Total | Comments      | Automated | Lock held by | (Tested by) | comment of future of tests | Theme          |
| 1      | Integration                   | 0     | 21   | 0 | 21    | With comments | 0         |              |             |                            |                |
| 2      | JUnit Tests                   | 0     | 18   | 0 | 18    |               | 18        |              |             |                            |                |
| 3      | TMF - Project View            | 0     | 152  | 0 | 152   | With comments | 106       |              |             |                            |                |
| 4      | TMF - Events Editor           | 0     | 25   | 0 | 25    | With comments | 11        |              |             |                            | Table          |
| 5      | TMF - Bookmarks View          | 0     | 17   | 0 | 17    |               | 17        |              |             |                            | Config         |
| 6      | TMF - Filters View            | 0     | 12   | 0 | 12    | With comments | 12        |              |             |                            | Config         |
| 7      | TMF - Colors View             | 0     | 6    | 0 | 6     | With comments | 6         |              |             |                            | Config         |
| 8      | TMF - Histogram View          | 0     | 51   | 0 | 51    | With comments | 6         |              |             |                            | XY-ish         |
| 9      | TMF - Statistics View         | 0     | 17   | 0 | 17    |               | 7         |              |             |                            | Table          |
| 10     | TMF - Remote Fetching         | 0     | 54   | 0 | 54    |               | 51        |              |             |                            | Tracer Control |
| 11     | GDB Tracing                   | 0     | 25   | 0 | 25    | With comments | 15        |              |             |                            | Tracer Control |
| 12     | TMF - Sequence Diagram        | 0     | 35   | 1 | 36    | With comments | 22        |              |             |                            | Tracer Control |
| 13     | TMF - Custom Parsers          | 0     | 28   | 0 | 28    |               | 12        |              |             |                            | Tracer Control |
| 14     | LTTng 2.0 - Control View      | 0     | 128  | 0 | 128   | With comments | 115       |              |             |                            | Config         |
| 15     | XML Analysis                  | 0     | 42   | 0 | 42    | With comments | 10        |              |             |                            | Config         |
| 16     | Trace Synchronization         | 0     | 16   | 0 | 16    |               | 0         |              |             |                            | Config         |
| 17     | TMF - Time Chart View         | 0     | 26   | 0 | 26    | With comments | 1         |              |             |                            | Gantt-ish      |
| 18     | TMF - State System Explorer   | 0     | 12   | 0 | 12    |               | 6         |              |             |                            | Gantt          |
| 19     | TMF - Flame Chart View        | 0     | 24   | 0 | 24    | With comments | 14        |              |             |                            | Gantt          |
| 20     | LTTng 2.0 - Control Flow View | 0     | 56   | 0 | 56    |               | 22        |              |             |                            | Gantt          |
| 21     | LTTng 2.0 - Resources View    | 0     | 44   | 0 | 44    | With comments | 16        |              |             |                            | Gantt          |
| 22     | Critical Path                 | 0     | 45   | 0 | 45    | With comments | 42        |              |             |                            | Gantt          |
| 23     | Flame Graph View              | 0     | 19   | 0 | 19    |               | 11        |              |             |                            | Gantt          |
| 24     | LTTng 2.0 - Memory Analysis   | 0     | 23   | 0 | 23    |               | 8         |              |             |                            | XY             |
| 25     | LTTng 2.0 - CPU Analysis      | 0     | 27   | 0 | 27    | With comments | 13        |              |             |                            | XY             |
| 26     | Network Trace Analysis        | 0     | 12   | 0 | 12    | With comments | 3         |              |             |                            | XY             |
| 27     | LTTng 2.0 - I/O Analysis      | 0     | 21   | 0 | 21    |               | 6         |              |             |                            | XY             |
| 28     | Counters View                 | 0     | 7    | 0 | 7     |               | 0         |              |             |                            | XY             |
| 29     | LAMI                          | 37    | 0    | 0 | 37    | With comments | 0         | Untestested  |             |                            | Reports        |

| 30 | Tracing RCP           | 0    | 33    | 1     | 34   | With comments | 0   |            |    |  |
|----|-----------------------|------|-------|-------|------|---------------|-----|------------|----|--|
|    |                       |      |       |       |      |               |     |            |    |  |
|    | Total:                | 37   | 996   | 1     | 1035 |               | 550 | Remaining: | 8% |  |
|    |                       |      |       |       |      |               |     |            |    |  |
|    | New Bug Reports found | Open | Fixed | Total |      |               |     |            |    |  |
|    | Bug Reports           | 11   | 5     | 16    |      |               |     |            |    |  |

|  | Section   | # Bug Reports  | # Open | # Fixed     |            |
|--|---|--|--------|-------------|------------|
|  | Bug Reports   | 17   | 11     | 5           |            |
| Test Case                                    | Bug Title   | Bug Report   | Status |             |            |
| Drag and Drop from other Tracing project     | tmf: java.lang.Error: SWT Resource was not properly disposed for TmfPieChart when closing trace | https://bugs.eclipse.org/bugs/show_bug.cgi?id=576612 | Open   |             |            |
| Delete propagation                           | Deleting last trace from Experiment also deletes that experiment                                | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579305 | Fixed  | Not a bug   |            |
| Overwrite                                    | Yes-To-All in Trace Package Import wizard prompts again (behaves like Yes)                      | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579323 | Open   |             |            |
| Set invalid window span                      | [TMF] Entering a window span of 1ns in Histogram View should be invalid                         | https://bugs.eclipse.org/bugs/show_bug.cgi?id=550946 | Open   |             |            |
| Mouse synchronization (single time)          | Left-clicking on time chart first doesn't sync in editor and other views                        | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579357 | Fixed  | Not a bug   |            |
| Filter cleared                               | Clearing filter from editor doesn't update time chart view                                      | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579358 | Fixed  |             |            |
| Select Event using arrow keys (457852)       | [TMF] Event table raw viewer selection not propagated to Properties view                        | https://bugs.eclipse.org/bugs/show_bug.cgi?id=457852 | None   | Fixed?      |            |
| Open Experiment                              | Flame Graph symbol resolution does not work with experiment                                     | https://bugs.eclipse.org/bugs/show_bug.cgi?id=512462 | Open   |             |            |
| Delete analysis                              | [lami] Remove External Analysis does not refresh properly                                       | https://bugs.eclipse.org/bugs/show_bug.cgi?id=543800 | Open   |             |            |
| Actions unavailable                          | [lami]: It is not possible to know why an analysis cannot be executed                           | https://bugs.eclipse.org/bugs/show_bug.cgi?id=498218 | Fixed  |             |            |
| Deselection                                  | [lami] Selecting an already selected bar in chart doesn't unselect it from chart or table       | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579392 | Open   | Deselection | (other tes |
| Test page navigation, Test menu item 'Pages' | [Sequence Diagram] Go to {next,previous} page does not update SD view                           | https://bugs.eclipse.org/bugs/show_bug.cgi?id=581103 | Fixed  | Not a bug   | (cf. Berno |
| Find short-cut                               | [Sequence Diagram] Multiple Find dialogs can be opened simultaneously                           | https://bugs.eclipse.org/bugs/show_bug.cgi?id=581104 | Open   |             |            |
| Show node {end,start} short-cut              | [Sequence Diagram] Shift-Alt-{home,end} does not work if hovering over selected int             | https://bugs.eclipse.org/bugs/show_bug.cgi?id=581105 | Open   |             |            |
| Overview feature                             | [TMF] Sequence Diagram Overview feature not working well on recent platform versions            | https://bugs.eclipse.org/bugs/show_bug.cgi?id=436442 | Open   |             |            |
| Print  | [Sequence Diagram] Print dialog does not update Preview upon Print range changes                | https://bugs.eclipse.org/bugs/show_bug.cgi?id=581106 | Open   |             |            |
| Open crossed out analysis                    | [lami] NotEnabledException when trying to open an analysis that is crossed out                  | https://bugs.eclipse.org/bugs/show_bug.cgi?id=581950 | Open   |             |            |

|          | Section                                  | Pass   | Fail   | Automated | To Do | Comments        |
|----------|--|--|--|-----------|-------|-----------------|
|          | Integration                              | 21   | 0  | 0         | 0     | 4               |
| Target:  | Ubuntu 20.04.5 64-bit                    |  | ·  |           | -     |                 |
| · a. goa | 55a.na 26.6 n.6 6 1 5.1                  |  |  |           |       |                 |
| Step     | Test Case                                | Action   | Verification   | Type      |       | Comment         |
|          | EPP: Eclipse Packaging Project           |  |  |           |       |                 |
| 1        | Verify C/C++ EPP Package RC1             |  |  |           |       |                 |
|          |  | Download, extract and start EPP package. Check the mailing list for the package:   |  |           |       |                 |
| 1.1      | Download EPP Package                     | https://dev.eclipse.org/mailman/listinfo/epp-dev   | EPP Package starts  Verify that all tracing features and plug-ins are  | Manual    | Pass  |                 |
|          | Version of Tracing Features              |  | present and have the correct version (TMF,   |           |       |                 |
| 1.2      | · ·                                      | Go to Help -> About Eclipse IDE -> Installation Details  | LTTng, CTF, GDBTrace)  | Manual    | Pass  |                 |
| 1.3      | GDB Tracepoint Analysis presence         | Open GDB Trace perspective   | GDB Trace perspective opens  | Manual    | Pass  |                 |
| 1.4      | LTTng presence                           | Open LTTng Kernel perspective  | LTTng Kernel perspective opens   | Manual    | Pass  |                 |
| 1.5      | Network Tracepoint Analysis presence     | Open Network Tracing perspective   | Network Tracing perspective opens  | Manual    | Pass  |                 |
| 1.6      | OS Tracing presence                      | Open OS Tracing Overview perspective   | OS Tracing Overview perspective opens  | Manual    | Pass  |                 |
| 1.7      | TMF presence                             | Open Tracing perspective   | Tracing perspective opens  | Manual    | Pass  |                 |
| 1.8      | 2022-12 Update Site (e.g.)               | Go to Help -> Install New Software> Update site "2024-06 - https://download.eclipse.<br>org/releases/2024-06/", Unselect "Hide items that are already installed"   | Verify that all LTTng Kernel, LTTng UST and GDB Trace are available  | Manual    | Pass  |                 |
| 2        | Verify C/C++ EPP Package RC2             |  |  |           |       |                 |
| 2.1      | Download EPP Package                     | Download, extract and start EPP package. Check the mailing list for the package:<br>https://dev.eclipse.org/mailman/listinfo/epp-dev   | EPP Package starts   | Manual    | Pass  |                 |
|          | Version of Tracing Features              | The state of the s | Verify that all tracing features and plug-ins are present and have the correct version (TMF,   |           |       |                 |
| 2.2      | -  | Go to Help -> About Eclipse IDE -> Installation Details  | LTTng, CTF, GDBTrace, PCAP/PCAPNG)   | Manual    | Pass  |                 |
| 2.3      | GDB Tracepoint Analysis presence         | Open GDB Trace perspective   | GDB Trace perspective opens  | Manual    | Pass  |                 |
| 2.4      | LTTng presence                           | Open LTTng Kernel perspective  | LTTng Kernel perspective opens   | Manual    | Pass  |                 |
| 2.5      | Network Tracepoint Analysis presence     | Open Network Tracing perspective   | Network Tracing perspective opens  | Manual    | Pass  |                 |
| 2.6      | OS Tracing presence                      | Open OS Tracing Overview perspective   | OS Tracing Overview perspective opens  | Manual    | Pass  |                 |
| 2.7      | TMF presence                             | Open Tracing perspective Go to Help -> Install New Software> Update site, select "2024-06 - https://download.eclipse.  | Tracing perspective opens  Verify that all LTTng Kernel, LTTng UST and   | Manual    | Pass  |                 |
| 2.8      | 2022-12 Update Site (e.g.)               | org/releases/2024-06/", Unselect "Hide items that are already installed"   | GDB Trace are available  | Manual    | Pass  |                 |
| 3        | Verify Update Site                       | ,  |  |           |       |                 |
|          |  | Download Eclipse for Committers and install LTTng Kernel, LTTng UST, GDBTrace and PCAP   |  |           |       |                 |
| 3.1      | 2024-06 Update Site (e.g.)               | Network Analysis from main simrel testing Update site "2024-06 - http://download.eclipse.org/releases/2024-06/"  | Verify that installation was successful  | Manual    | Pass  | Tested with RC2 |
| 0.1      | 2024-00 Opdate Site (e.g.)               | 2024-00 - http://download.ecilpse.org/releases/2024-00/  | verily that installation was successful  | Wanda     | 1 400 | rested with NO2 |
| 3.2      | Trace Compass Update Site                | Download Eclipse for Committers and install LTTng Kernel, LTTng Control, LTTng UST, GDBTrace and PCAP Network Analysis from the Trace Compass Update site <a href="http://download.eclipse.grg/tracecompas/2024-06/milestones/rc2">http://download.eclipse.grg/tracecompas/2024-06/milestones/rc2</a>  | Verify that installation was successful  | Manual    | Pass  | Tested with RC2 |
|          |  | Download Eclipse for Committers from 2024-03 and install LTTng, LTTng Kernel, GDBTrace and   |  |           |       |                 |
|          | Hagrada using 2024 CC (= = ) Hedeta C''  | PCAP Network Analysis from main simrel Update site. <a href="http://download.eclipse.org/releases/2024-03">http://download.eclipse.org/releases/2024-03</a> Trute update the installation using the testing simrel update site.  |  |           |       |                 |
| 3.3      | Upgrade using 2024-06 (e.g.) Update Site | Try to update the installation using the testing simrel update site.  https://download.eclipse.org/releases/2024-06/   | Verify that installation was successful  | Manual    | Pass  | Tested with RC2 |
|          |  | Download Eclipse for Committers from 2024-03 and install LTTng, LTTng Kernel, LTTng UST, GDBTrace and PCAP Network Analysis from the Trace Compass release Update site.<br>http://download.eclipse.org/lracecompass/releases/9.3.0/repository  | volly that moteration was obsessed.  |           |       | 10000 111111102 |
| 2.4      | Upgrade using Trace Compass Update Site  | Try to update the installation using the Trace Compass update site http://download.eclipse.  | Marification 4 in adultation to  | Manual    | Dose  | Total with DCO  |
| 3.4      |  | org/tracecompass/2024-06/milestones/rc2  | Verify that installation was successful  | Manual    | Pass  | Tested with RC2 |
| 3.5      | Upragde from previous EPP                | Download Eclipse previous C/C++ EPP package (2024-03). Try to upgrade using both update sites: "https://download.eclipse.org/releases/2024-06" The information about the update sites to use is usually posted on epp-dev:   | Verification in the United States and States | Manual    | Pass  |                 |
| 4        | Verify Update Site                       | https://dev.eclipse.org/mailman/listinfo/epp-dev  Release outside release train  | Verify that installation was successful  | iviariual | газэ  |                 |
| -        | Joing Opuate Oite                        |  |  |           |       |                 |
| 4.1      | Trace Compass update site                | Download Eclipse standard and install LTTng Kernel, LTTng Control, LTTng UST, GDBTrace and PCAP Network Analysis from main Update site: http://download.eclipse.org/tracecompass/stable/repository/ and <a href="http://download.eclipse.org/tracecompass/releases/10.0.0/repository/">http://download.eclipse.org/tracecompass/releases/10.0.0/repository/</a>  | Verify that installation was successful  | Manual    | N/A   |                 |
| 7.1      | made compass update site                 | Download Eclipse standard and install LTTng Kernel, LTTng Control, LTTng UST, GDBTrace and PCAP Network Analysis from the Trace Compass update site:   | voiny triat motamation was successful  | ividiludi | 14/73 |                 |
| 4.2      | Upgrade using Trace Compass update site  | https://download.eclipse.org/tracecompass/stable/repository/ and http://download.eclipse.org/tracecompass/releases/10.0.0/repository/.   | Verify that installation was successful  | Manual    | N/A   |                 |

|         | Section   | Pass                         | Fail                   | Automated | To Do | Comments |
|---------|---|------------------------------|------------------------|-----------|-------|----------|
|         | JUnit Tests                                       | 18                           | 0                      | 18        | 0     | 0        |
| Target: | Ubuntu 12.04 64 bit and on Hudson                 |                              |                        |           |       |          |
|         |   |                              |                        |           |       |          |
| Step    | Test Case   | Action                       | Verification           | Type      |       | Comment  |
|         |   |                              |                        |           |       |          |
| 1       | Junit Test Cases                                  |                              |                        |           |       |          |
| 1.1     | CTF Core Tests Plug-in                            | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.2     | CTF Parser Tests Plug-in                          | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.3     | State System Core Tests Plug-in                   | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.4     | TMF Core Tests Plug-in                            | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.5     | TMF UI Tests Plug-in                              | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.6     | TMF UI SWTBot Tests Plug-in                       | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.7     | CTF Support for TMF SWTBot Tests Plug-in          | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.8     | TMF Xml Analysis Core Tests Plug-in               | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.9     | TMF Xml Analysis UI Tests Plug-in                 | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.10    | LTTng Control Core Tests Plug-in                  | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.11    | LTTng Control UI Tests Plug-in                    | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.12    | LTTng Kernel Analysis Core Tests Plug-in          | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.13    | LTTng Kernel Analysis UI Tests Plug-in            | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.14    | LTTng Kernel UI SWTBot Tests Plug-in              | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.15    | LTTng Userspace Tracer Analysis Core Test Plug-in | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.16    | LTTng Userspace Tracer Analysis UI Test Plug-in   | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.17    | GDB Tracepoint Analysis Core Tests Plug-in        | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |
| 1.18    | GDB Tracepoint Analysis UI Tests Plug-in          | Run manually or with Jenkins | All test cases To Doed | Unit      | Pass  |          |

|            | Section                      | Pass  | Fail   | Automated        |              | Comments                    |                        |
|------------|------------------------------|---|--|------------------|--------------|-----------------------------|------------------------|
|            | TMF - Events Editor          | 25  | 0  | 11               | 0            | 5                           |                        |
| Target:    | Windows                      |   |  |                  |              |                             |                        |
| Step       | Test Case                    | Action  | Verification   | Type             |              | Comment                     |                        |
| отор       | Tool Guod                    | Action  | Tormound   | 1990             |              | Commone                     |                        |
| 1          | Preparation                  |   |  |                  |              |                             |                        |
| 1.1        | Preparation step 1           | Open and reset LTTng Kernel perspective   | LTTng Kernel perspective opens with correct views.   | SWTBot           | Pass         |                             |                        |
| 2          | Trace bookmarks              | Moved to sheet "BookmarksVlew"  |  |                  |              |                             |                        |
| 3          | Experiment bookmarks         | Moved to sheet "BookmarksVlew"  |  |                  |              |                             |                        |
| 4          | Filter                       |   |  |                  |              |                             |                        |
| 4          | Filler                       |   | Only events matching regex are displayed. Top and bottom filter status   |                  |              |                             |                        |
| 4.1        | Filter                       | In the header row, enter some regex and press Ctrl+Enter  | rows update while filtering is ongoing. When filtering is done, status rows show number of matching events.                    | SWTBot           | Pass         |                             |                        |
| 4.2        | Cancel filter                | In the header row, enter some regex and press Ctrl+Enter, then quickly press ESC before filtering is done             | Only some events matching regex are displayed. Status rows show partial number of matching events, with different 'stop' icon. | Manual           | Pass         |                             |                        |
| 4.0        | I I Cita                     | la tha handachan al'alatha 'san ta dalata a Cita  | All events are displayed. Selected event remains selected and visible.   | OM/TD-4          | D            |                             |                        |
| 4.3<br>4.4 | Un-filter<br>Filter & Search | In the header bar, click the icon to delete a filter  In the filter bar, enter some regex; likewise in the search bar | Status rows are removed.  Events are filtered and highlighted accordingly  | SWTBot<br>SWTBot | Pass<br>Pass |                             |                        |
|            | Search & Filter              | In the search bar, enter some regex; likewise in the filter bar   | Events are filtered and highlighted accordingly  | SWTBot           | Pass         |                             |                        |
|            |                              |   | ū ū,   |                  |              |                             |                        |
| 5          | Time Synchronization         |   |  |                  |              |                             |                        |
| 5.1        | Mouse synchronization        | Select any event in the table with the mouse button   | Other views are synchronized to the selected event's time  | Manual           | Pass         | Histogram and Properties.   | Automatic<br>Candidate |
| 0          | modes symermeducer.          | Select any event in the table using Up, Down, PageUp,   | and theme are symmetrized to and deficited direction   | manaa            | . 466        | riiotogram ana r reportios. | Automatic              |
| 5.2        | Key synchronization          | PageDown, Home, End   | Other views are synchronized to the selected event's time  | Manual           | Pass         | Histogram and Properties.   | Candidate              |
| 5.3        | Search synchronization       | In the search bar, enter some regex, then search again with<br>Enter/Shift-Enter                                      | Other views are synchronized to the selected event's time  | Manual           | Pass         | Histogram and Properties.   | Automatic              |
| 5.5        | Search Synchronization       | In any other view that supports time synchronization, select a  | Other views are synchronized to the selected event's time  | ivialiual        | rass         | nistogram and Properties.   | Automatic              |
| 5.4        | External synchronization     | time.   | The first event at or following the selected time is selected and visible.   | Manual           | Pass         |                             | Candidate              |
| 5.5        | Range selection              | Select an event with left button, press shift key and click to select another event                                   | Range of events are highlighted. Selection range is updated in other views that support range selection                        | Manual           | Pass         |                             | Automatic<br>Candidate |
| ^          | Front Complementation        |   |  |                  |              |                             |                        |
| 6          | Event Synchronization        |   | Verify that an editor is opened showing LTTng Kernel specific columns.   |                  |              |                             |                        |
| 6.1        | Open trace                   | Open an LTTng CTF Kernel trace  | Views are updated with the new trace.  | SWTBot           | Pass         |                             |                        |
|            |                              |   |  |                  |              |                             |                        |
| 6.2        | Mouse synchronization        | Select any event in the table with the mouse button   | The Properties view is updated with the selected event's Property and Value. Timestamp and Content are expandable.             | Manual           | Pass         |                             | Automatic<br>Candidate |
|            |                              |   |  |                  |              |                             | Carialaa               |
|            |                              | Select any event in the table using Up, Down, PageUp,   | The Properties view is updated with the selected event's Property and  |                  |              |                             |                        |
| 6.3        | Key synchronization          | PageDown, Home, End   | Value. Timestamp and Content are expandable.   | Manual           | Pass         |                             |                        |
| 6.4        | Search synchronization       | In the search bar, enter some regex, then search again with<br>Enter/Shift-Enter                                      | The Properties view is updated with the selected event's Property and Value. Timestamp and Content are expandable.             | Manual           | Pass         |                             |                        |
| 0.4        | ocaron synonionization       | In any other view that supports time synchronization, select a  | value. Timestamp and content are expandable.   | iviailual        | 1 033        |                             |                        |
|            |                              | time. The selected event in the editor is updated. Then give  | The Properties view is updated with the selected event's Property and  |                  |              |                             |                        |
| 6.5        | External synchronization     | focus back to the editor. Make sure the events table is clicked.  | Value. Timestamp and Content are expandable.   | Manual           | Pass         |                             |                        |

|     |                                 | 1) Download traces.zip (if necessary) and unzip into a local   |  |         |       |   |  |
|-----|---------------------------------|--|--|---------|-------|---|--|
|     |                                 | directory \${local}  |  |         |       |   |  |
|     |                                 | 2) Unzip traces/c_project_callsite.zip and traces/callsite.zip |  |         |       |   |  |
|     |                                 | to your local disk.  |  |         |       |   |  |
|     |                                 | 3) Import demo C project to the Eclipse workspace of zip       |  |         |       |   |  |
|     |                                 | file c_project_callsite.zip                                    |  |         |       |   |  |
|     |                                 | 4) Import the test trace of zip file callsite.zip to a tracing |  |         |       |   |  |
|     |                                 | project. 5) Select trace type "Generic CTF Trace" and open the |  |         |       |   |  |
|     |                                 | trace.   | Zip file(s) available under  |         |       |   |  |
| 7.1 | Preparation                     | MAKE SURE THE FILES ARE IN THE SAME LOCATION                   | https://drive.google.com/drive/folders/1DJ2FSYWi1u8HHfi2HwCtoAOKc  | Manual  | Pass  |   |  |
| 7.1 | reparation                      | 1) select event in table                                       | https://drive.googie.com/drive/folders/12021 01 Wildom https://drive.googie.com/drive/folders/12021 01 Wildom https://drive.googie.com/drive/folders/12021 01 Wildom https://drive.googie.com/drive/folders/12021 01 Wildom https://driverses.googie.com/driverses.googie.go | Mariaai | 1 433 |   |  |
|     |                                 | 2) click right mouse button                                    |  |         |       |   |  |
| 7.2 | Open call site                  | 3) select "Open Source Code" menu item                         | Verify that correct source code file and line number is opened   | Manual  | Pass  |   |  |
|     |                                 | 1) Close source code project                                   | ,  |         |       |   |  |
|     |                                 | 2) select event in table                                       |  |         |       |   |  |
|     |                                 | 3) click right mouse button                                    | Since the source code is not available no source code file is opened.  |         |       |   |  |
| 7.3 | Open call site (no source code) | 4) select "Open Source Code" menu item                         | Instead an error dialog is opened (with title "FileNotFoundException")   | Manual  | Pass  |   |  |
|     |                                 |  |  |         |       |   |  |
|     |                                 |  |  |         |       |   |  |
| 8   | Export to text                  |  |  |         |       |   |  |
|     |                                 | 1) Open a CTF trace (e.g. LTTng Kernel)                        |  |         |       |   |  |
|     |                                 | Click right mouse button     Select "Export To Text" menu item | Make a weather a second second solution of the second state of the |         |       |   |  |
|     |                                 | 4) Enter a file name and location                              | Make sure that a progress monitor dialog is opened during the export.  After finishing make sure that the text file exists and it contains the   |         |       |   |  |
|     |                                 | 5) Press OK  | events stored in the file. Verify that the columns are printed as shown  |         |       |   |  |
| 8.1 | Export CTF trace                | Progress bar is the eclipse one in the bottom.                 | in the events table and that they are separated by tab character.  | SWTBot  | Pass  |   |  |
| 0   | Export of the date              | Open a trace other than CTF trace                              | in the events table and that they are departated by tab endrated.  | 0111201 | . 400 |   |  |
|     |                                 | 2) Click right mouse button                                    | Make sure that a progress monitor dialog is opened during the export.  |         |       |   |  |
|     |                                 | 3) Select "Export To Text" menu item                           | After finishing make sure that the text file exists and it contains the  |         |       | https://cdn.vector.                       |  |
|     |                                 | 4) Enter a file name and location                              | events stored in the file. Verify that the columns are printed as shown  |         |       | com/cms/content/products/TA Tool Suite/Do |  |
| 8.2 | Export Other Trace              | 5) Press OK  | in the events table and that they are separated by tab character.  | Manual  | Pass  | cs/BTF_Specification.pdf                  |  |
|     |                                 | 1) Open a CTF trace (e.g. LTTng Kernel)                        |  |         |       |   |  |
|     |                                 | 2) Click right mouse button                                    |  |         |       |   |  |
| 0.0 | O to all abased                 | 3) Select "Copy to Clipboard" menu item                        | Verify that the columns are printed as shown in the events table and   | OM/TD-4 | D     |   |  |
| 8.3 | Copy to clipboard               | 4) Paste it in a text file                                     | that they are separated by tab character.  | SWTBot  | Pass  |   |  |
| 9   | Swap Columns and Change Font    | 10   |  |         |       |   |  |
| 3   | Owap Columns and Change Folia   | 1) Open a trace  |  |         |       |   |  |
| 9.1 | Swap columns in events table    | 2) Drag a column   | Covered by SWTBot tests  | SWTBot  | Pass  |   |  |
|     | ·                               | 1) Open the preferences  |  |         |       |   |  |
|     |                                 | 2) select new font for trace types                             |  |         |       |   |  |
|     |                                 | 3) press apply   |  |         |       |   |  |
| 8.2 | Change fonts                    | 4) verify that the font changed                                | Covered by SWTBot tests  | SWTBot  | Pass  |   |  |
|     |                                 | Open the preferences   |  |         |       |   |  |
|     |                                 | 2) Reset the font settings                                     |  |         |       |   |  |
| 8.3 | Reset fonts                     | Press apply     verify that the font changed                   | Covered by SWTBot tests  | SWTBot  | Pass  |   |  |
| 0.5 | L/COCT IOHIO                    | T) verify that the fort changed                                | Covered by SVV I But lests   | SVVIDUL | rass  |   |  |

|         | Section  | Pass  | Fail  |        |       | Comments | <u> </u> |
|---------|--|---|---|--------|-------|----------|----------|
|         | TMF - Project View                                   | 152   | 0   | 106    | 0     | 9        |          |
| Target: | Ubuntu 20.04.5 LTS 64-bit                            |   |   |        |       |          |          |
|         |  |   |   |        |       |          |          |
| Step    | Test Case  | Action  | Verification  | Type   |       | Comment  | i        |
|         |  |   |   |        |       |          |          |
| 1       | Preparation  |   |   |        |       |          |          |
| 1.1     | Step 1   | Open LTTng Kernel perspective   | LTTng perspective opens with correct views  | SWTBot | Pass  |          |          |
| 1.2     | Step 2   | Open Project Explorer   | Project Explorer opens  | SWTBot | Pass  |          |          |
|         |  |   |   |        |       |          |          |
| 2       | Project Creation                                     |   |   |        |       |          |          |
| 2.1     | New Project Wizard                                   | Open New Tracing Project Wizard   | Tracing Project Wizard opens  | SWTBot | Pass  |          |          |
| 2.2     | Create project                                       | Specify a project name and finish   | Tracing project appears in Project Explorer   | SWTBot | Pass  |          |          |
| 2.3     | Project structure                                    | Open the new Tracing project  | Project contains Experiments and Traces   | SWTBot | Pass  |          |          |
|         |  |   |   |        |       |          |          |
| 3       | Traces Folder  |   |   |        |       |          | 4        |
|         | Preparation  | 1) Download traces.zip (if necessary) and unzip into a local directory \${local} 2) Import Custom Text and XML parsers (ExampleCustomXmlParser.xml, ExampleCustomTxtParser.xml) from directory traces/customParsers into your workspace from the Manage Custom Parsers dialog.                                  |   | SWTBot | Pass  |          |          |
| 3.1     | Traces Folder menu                                   | Select the Traces folder and open its context menu  | Correct menu opens (Import, Refresh)  | SWTBot | Pass  |          |          |
| 3.2     | Trace Import Wizard                                  | Select Import   | Trace Import Wizard appears   | SWTBot | Pass  |          |          |
| 3.3     | Import single custom text trace (link to workspace)  | Browse to directory \${local}/traces/import/     Select trace ExampleCustomTxt.log     Keep Auto Detection>, Select "Import unrecognized traces", unselect "Overwrite existing without warning" and select "Create Links to workspace" and 4) press Finish  | Imported trace appear in Traces Folder and the<br>Trace Type Tmf Generic is set. Make sure<br>trace can be opened   | SWTBot | Pass  |          |          |
| 3.4     | Import Single custom XML trace (link to workspace)   | redo 3.1-3.3 but this time select ExampleCustomXml.xml  | Imported trace appear in Traces Folder and the Trace Type "Custom XML log" is set. Make sure that trace can be opened   | SWTBot | Pass  |          |          |
| 3.5     | Import LTTng Kernel CTF trace<br>(link to workspace) | redo 3.1-3.3 but this time select directory kernel-overlap-<br>testing/   | Imported trace appear in Traces Folder and the Trace Type "LTTng Kernel" is set. Make sure that trace can be opened   | SWTBot | Pass  |          |          |
| 3.6     | Rename + copy import                                 | redo 3.3, 3.4, 3.5. However, Unselect "Create Links to workspace"  When dialog box appear select Rename   | Traces are imported with new name that has a suffix (2) at the end. Make sure that imported traces are copied to the project.                                     | SWTBot | Pass  |          |          |
| 3.0     | remaine i copy import                                | 9 ,,  | naces are copied to the project.  | SWIDOL | 1 000 |          |          |
| 3.7     | Overwrite + copy import                              | redo 3.3, 3.4, 3.5. However, Unselect "Create Links to workspace"  When dialog box appear select Overwrite  | Existing traces are deleted and new traces are imported. Make sure that imported traces are copied to the project and can be opened                               | SWTBot | Pass  |          |          |
|         |  | redo 3.3, 3.4, 3.5. However, Unselect "Create Links to workspace"   |   |        |       |          |          |
| 3.8     | Skip   | When dialog box appear select Skip  | Make sure that no new trace is imported   | SWTBot | Pass  |          |          |
| 3.9     | Default overwrite                                    | redo 3.3, 3.4, 3.5. However, Unselect "Create Links to workspace" and select "Overwrite existing without warning"   | Make sure that no dialog box appears (for renaming, overwriting, skipping) and existing traces are overwritten). Make sure trace can be                           | SWTBot | Pass  |          |          |
| 3.10    | Import unrecognized                                  | 1) Open Import wizard (see 3.1-3.2) 2) Browse to directory \$\fif{1}\) Global Piraces/import 3) Select trace unrecognized.log 4) Keep <auto detection="">, Select "Import unrecognized traces", unselect "Overwrite existing without warning" and select "Create Links to workspace" and 5) press Finish</auto> | unrecognized.log is imported with trace type unknown. The default text file icon is displayed. The file, not trace, when opened, is displayed in the text editor. | SWTBot | Pass  |          |          |
|         | Import unrecognized (ignore)                         | redo 3.10, however unselect "Import unrecognized traces"  | unrecognized.log is not imported  | SWTBot | Pass  |          |          |
|         |  | Delete all traces in project - Right mouse click on Traces  |   |        |       |          |          |
|         | Preparation  | folder and select "Clear"   |   | SWTBot | Pass  |          |          |
| 3.12    | Import CTF trace by selection metadata file only     | Redo 3.5, However only select metadata file instead of directory trace  | Imported trace appear in Traces Folder and the<br>Trace Type "LTTng Kernel" is set. Make sure<br>that trace can be opened   | SWTBot | Pass  |          |          |
|         | Preparation  | Delete all traces in project  |   |        |       |          |          |

| 3.13 | Recursive import with auto-<br>detection (Rename All)                         | 1) Open Import wizard (see 3.1.3.2) 2) Browse to directory \$(local)/traces/import 3) select directory import 4) Keep - Auto Detection>, Select "Import unrecognized traces", unselect "Overwite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" 5) press Finish 6) When dialog appears select "Rename All" Delete all traces in project                                | All Traces are imported with respective trace type set. Traces with name clashes are imported with suffix (2). I trace (unrecognized. log) is imported with trace type unknown. Make sure that traces can be opened which have a trace type set. The unknown trace type should open with the text editor.  | SWTBot  | Pass |
|------|---|--|--|---------|------|
|      | Preparation   | Delete all traces in project  1) Open Import wizard (see 3.1-3.2)  |  |         |      |
| 3.14 | Recursive import with auto-<br>detection (Overwrite All)<br>Preparation       | 1) Open Import ward (see 3: 15.2) 2) Browse to directory \$(local)/traces/import/ 3) select directory import 4) Keep <a href="Auto Detection">Auto Detection</a> >, Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" 5) press Finish 6) When dialog appears select Overwrite All"  Delete all traces in project | All Traces are imported with respective trace type set. Traces with name clashes are overwritten . 1 trace (unrecognized.log) is imported with trace type unknown. Make sure that traces can be opened which have a trace type set. The unknown trace type should open with the text editor.   | SWTBot  | Pass |
|      |   | 1) Open Import wizard (see 3.1-3.2)  |  |         |      |
| 3.15 | Recursive import with auto-<br>detection (Skip All)                           | 2) Browse to directory \$(local)/traces/import/ 3) select directory import 4) Keep - Auto Detection-, Select "Import unrecognized traces", unselect "Overwrite existing without warning" and select "Create Links to workspace" and uncheck "preserve folder structure" 5) press Finish 6) When dialog appears select Skip All"  | All Traces are imported with respective trace type set. Traces with name clashes are not imported. I trace (unrecognized log) is imported with trace type unknown. The unknown trace type should open with the text editor.  | SWTBot  | Pass |
|      | Preparation   | Delete all traces in project  1) Open Import wizard (see 3.1-3.2)  |  |         |      |
| 3.16 | Recursive import with auto-<br>detection (test rename, overwrite<br>and skip) | 2) Browse to directory \$flocal)/traces/import/ 3) select directory import 4) Keep -Auto Detection>, Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" 5) press Finish 6) When dialog appears select "Rename" 7) When dialog appears select "Overwrite" 8) When dialog appears select "Skip"                     | All Traces are imported with respective trace type set. Traces with name clashes are either renamed, overwritten or skipped as per dialog action. Make sure that traces can be opened which have trace type set. The unknown trace type should open with the text editor.  | SWTBot  | Pass |
|      | Preparation   | Delete all traces in project   |  |         |      |
| 3.17 | Recursive import with specific trace type 1 (Skip All) Preparation            | 1) Open Import wizard 2) Browse to directory \${local}/traces/import/ 3) select directory import 4) Select trace type "Generic CTF Trace", Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" and 5) press Finish 6) When dialog appears select Skip All" Delete all traces in project                            | After selecting trace type, verify that button<br>"Import unrecognized traces" is disabled.  4 CTF traces are imported with trace type<br>"Generic CTF Trace". Make sure that these traces can be opened   | SWTBot  | Pass |
|      | . ropulation  | 1) Open Import wizard (see 3.1-3.2)  |  |         |      |
| 3.18 | Recursive import with specific trace type 2 (Skip All)                        | 2) Browse to directory \$(local)/traces/import/ 3) select directory import 4) Select trace type "LTTng Kernel Trace", Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" 5) Fives Finish 6) When dialog appears select Skip All"  | After selecting trace type, verify that button "Import unrecognized traces" is disabled.  One LTTng Kernel trace is imported with trace type "ITTng Kernel Trace". Make sure that this trace can be opened.  | SWTBot  | Pass |
| 3.19 | Preparation  Recursive import with specific trace type 3 (Skip All)           | Delete all traces in project  1) Open Import wizard  2) Browse to directory \${local}/traces/import/}  3) select directory import  4) Select trace type "LTTng UST Trace", Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure"  5) press Finish  6) When dialog appears select Skip All"                           | After selecting trace type, verify that button "Import unrecognized traces" is disabled.  3 LTTng UST traces are imported with trace type "LTTng UST Trace". Make sure that these traces can be opened.  | SWTBot  | Pass |
| 00   | Preparation   | Delete all traces in project   | and the second s | 2111201 |      |
|      | richaignon  | Delete all traces ill project  |  |         |      |

| 3.20 | Recursive import with specific trace type 4 (Skip All)  Preparation | 1) Open Import wizard (see 3.1-3.2) 2) Browse to directory \${local}/traces/import/ 3) select directory import 4) Select trace type "Tinf Generic", Select "Import unrecognized traces", unselect "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" 5) press Finish 6) When dialog appears select Skip All" Delete all traces in project | All text files in directories are imported as trace and trace type "Tim Generic" is set. Note that trace type validation only checks for file exists and that file is not a directory. Make sure that these traces can be opened. However traces with wrong trace type won't show any events in the table.   | SWTBot | Pass  |   |  |
|------|---|--|--|--------|-------|---|--|
| 3.21 | Import wizard from workbench menu with project selected             | Select project "Test" in Project Explorer view     Open import wizard from menu File > Import > Tracing >  | Verify that trace is imported to "Test" project and can be opened.   | SWTBot | Pass  |   |  |
| 3.22 | Import wizard from workbench menu with no project selected          | Clear selection in Project Explorer view     Open import wizard from menu File > Import > Tracing >  | Verify that trace is imported to default "Tracing" project and can be opened.  | SWTBot | Pass  |   |  |
|      | Preparation   | Delete all traces in project   | Outside description and the description of the control of the cont |        |       |   |  |
| 3.23 | project Tracing   | D&D a few LTTng traces from another Tracing project's<br>Traces folder   | Selected traces are added to Traces folder with proper icon. Trace can be opened.  | Manual | Pass  | https://bugs.eclipse.org/bugs/show_bug.cg/?id=576612 Dropping a folder linking to existing kernel trace one from generic project.   |  |
| 3.24 | Drag and Drop from non-Tracing project                              | D&D a few files from a non-Tracing project, if a CTF trace, will need to drag the entire folder  | Selected traces are added to the Traces folder with default icon. Files can be opened with the default editor.   | Manual | Pass  | Drupping a totice thinking to existing a kernler face or the from general project.  When dragging under Tracing project root, icons look like defaults.  When dragging under Traces folder, icons and Views become standard tracing ones. |  |
| 3.25 | Drag and Drop from external   | D&D a few files from an external file manager  | Selected traces are added to the Traces folder with default icon. For actual traces, Trace type is detected automatically. Trace can be opened. For non traces the files are added with default icon and they can be opened with the default editor.   | Manual | Pass  | Similar to above.   |  |
| 3.26 | Drag and Drop of trace with existing name                           | D&D a trace with name of an existing trace into traces folder     Confirm the renaming of traces   | Verify that trace is added into the traces folder<br>with the trace name of the original trace plus a<br>suffix (2)  | Manual | Pass  |   |  |
| 3.20 | Drag and Drop of trace with   | Redo test 3.26 with the same trace and same destination  | Verify that trace is added into the traces folder with the trace name of the original trace plus a   | Manuai | Pass  |   |  |
| 3.27 | existing name (2nd time)  | folder   | suffix (3)   | Manual | Pass  |   |  |
| 3.28 | Import destination  | Open Import wizard   | Verify "Into Folder" box cannot be updated   | Manual | Pass  | Sehr: Not sure which import method this is using, it passes for Trace Import, but not other file imports  |  |
|      | Preparation   | Delete all traces in project   |  |        |       |   |  |
| 3.29 | Recursive import with preserved folder structure                    | 1) Open Import wizard (see 3.1-3.2) 2) Browse to directory %[local]/traces/import/ 3) select directory import 4) Select trace type "Tmf Generic", unselect "Overwrite existing without warning", select "Create Links to workspace" and select "Preserve Folder Structure" 5) press Finish   | All Traces are imported with respective trace type set. The folder "clashes" is imported with its traces inside. Make sure that traces can be opened which have a trace type set.  | SWTBot | Pass  |   |  |
| 3,30 | Recursive import with preserved folder structure (Skip AII)         | 1) Open Import wizard (see 3.1-3.2) 2) Browse to directory \${local}/traces/import/ 3) select directory import 4) Select trace type "Tmf Generic", unselect "Overwrite existing without warning", select "Oreate Links to workspace" and select "Preserve Folder Structure" 5) press Finish 6) When dialog appears select "Skip All"   | The wizard should finish quickly as no trace will be imported. Make sure that traces can be opened which have a trace type set.  | SWTBot | Pass  |   |  |
| 3.30 | iolaci saucture (okip Ali)  | o) When dialog appears select Okip All   | opened willon have a hade type set.  | SWIDUL | 1 000 |   |  |
| 3.31 | Recursive import with preserved folder structure (Rename All)       | 1) Open Import wizard (see 3.1-3.2) 2) Browse to directory %[local]/traces/import/ 3) select directory import 4) Select trace type "Tmf Generic", unselect "Overwrite existing without warning", select "Create Links to workspace" and select "Preserve Folder Structure" 5) press Finish 6) When dialog appears select "Rename All" Delete all traces in project                                       | All Traces are imported with respective trace type set with suffix (2). The folder "clashes" is imported with list traces inside. Make sure that traces can be opened which have a trace type set.   | SWTBot | Pass  |   |  |
| 3.32 | Delete with mixed selection of traces and folders                   | 1) Create two trace folders under the "Traces" folder 2) Import 2 traces under each folder 3) Open all 4 traces 4) Select one trace in the first folder and the second folder in the Project Explorer view 5) Right-click, Delete. Click Yes.  | A dialog should ask the user to confirm deletion of the selected elements. Clicking OK should remove all that was selected. The editor of the 3 deleted traces should be closed automatically with one remaining editor opened.  | SWTBot | Pass  |   |  |
| 3.33 | Delete multiple folders   | 1) Create 2 trace folders under the "Traces" folder 2) Import a trace under each folder 3) Open both traces 4) Select both folders in the Project Explorer view 5) Right-click, Delete. Click Yes  | A dialog should ask the user to confirm deletion of the selected elements. Clicking OK should remove all that was selected. The editor of both traces should be closed automatically.  | SWTBot | Pass  |   |  |
| 3.34 | Clear single Traces folder  | Import 2 traces from different folders preserving folder structure     2 Open both traces.     3 Select the Traces folder     4) Right-click, Clear. Click Yes.  | A dialog should ask the user to confirm clearing of the folder. Clicking Yes should remove everything under the selected folder and close the traces   | SWTBot | Pass  |   |  |

|            |                                     |  |   | _      |  |            |
|------------|-------------------------------------|--|---|--------|--|------------|
|            |                                     | Import 2 traces to different projects  | A dialog should ask the user to confirm             |        |  |            |
|            |                                     | 2 Open both traces.  | clearing of the folders. Clicking Yes should        |        |  |            |
|            | Clear multiple Traces folder        | 3 Select both Traces folders   | remove everything under the selected folders        |        |  |            |
| 3.35       |                                     | 4) Right-click, Clear. Click Yes.  | and close the traces                                | SWTBot | Pass   |            |
|            | Preparation                         | Delete all traces in project   |   |        |  |            |
|            | .,                                  | 1) Open Import wizard (see 3.1-3.2)  |   |        |  |            |
|            |                                     | 2) Select archive file: traces.zip   |   |        |  |            |
|            |                                     | select directory the root directory  |   |        |  |            |
|            | Import from zip archive, preserve   | Select trace type "Automatic", unselect "Overwrite existing  | All the files get imported under their respective   |        |  |            |
|            | folder structure                    | without warning" and select "Preserve Folder Structure"  | folders. The CTF traces can be opened               |        |  |            |
| 3.36       | loider structure                    | 5) press Finish  | (kernel-overlap-testing, simple_server)             | SWTBot | Pass   |            |
| 3.30       | Dunavetian                          |  | (Kerner-ovenap-testing, simple_server)              | SWIDOL | 1 000  |            |
|            | Preparation                         | Delete all traces in project   |   |        |  |            |
|            |                                     | 1) Open Import wizard (see 3.1-3.2)  |   |        |  |            |
|            |                                     | 2) Select archive file: traces.zip   |   |        |  |            |
|            |                                     | select directory the root directory     Select trace type "Automatic", unselect "Overwrite existing        | All traces are imported with trace type set. The    |        |  |            |
|            | Import from zip archive, no         |  | traces from folder "clashes" are renamed with       |        |  |            |
|            |                                     | without warning" and unselect "Preserve Folder Structure" 5) press Finish                                  |   |        |  |            |
| 3.37       | preserve folder structure           | 6) Select Rename All when dialog comes up.   | suffix (2). Make sure that the traces can be opened | SWTBot | Pass   |            |
| 3.31       |                                     |  | opened  | SWIBOL | Pass   |            |
|            | Preparation                         | Delete all traces in project   |   |        |  |            |
|            |                                     | 1) Open Import wizard (see 3.1-3.2)  |   |        |  |            |
|            |                                     | Select archive file: traces.zip  |   |        |  |            |
|            |                                     | 3) select file "z-clashes/ExampleCustomTxt.txt" and folder   |   |        |  |            |
|            |                                     | "kernel-overlap-testing"   |   |        |  |            |
|            |                                     |  | The specified traces are imported with trace        |        |  |            |
|            | Import from zip archive specific    | Structure"   | type set. Make sure that the traces can be          |        |  |            |
| 3.38       | traces                              | 5) press Finish  | opened.   | SWTBot | Pass   |            |
|            | Preparation                         | Delete all traces in project   |   |        |  |            |
|            |                                     | 1) Open Import wizard (see 3.1-3.2)  |   |        |  |            |
|            |                                     | 2) Select archive file: traces.tar.gz  |   |        |  |            |
|            |                                     | 3) select directory the root directory   |   |        |  |            |
|            | Import from tar.gz archive,         | 4) Select trace type "Automatic", unselect "Overwrite existing   | All the files get imported under their respective   |        |  |            |
|            | preserve folder structure           | without warning" and select "Preserve Folder Structure"  | folders. The CTF traces can be opened               |        |  |            |
| 3.39       | ·                                   | 5) press Finish  | (kernel-overlap-testing, simple server)             | SWTBot | Pass   |            |
|            | Preparation                         | Delete all traces in project   | , , , , , ,   |        |  |            |
|            |                                     | 1) Open Import wizard (see 3.1-3.2)  |   |        |  |            |
|            |                                     | 2) Select archive file: traces.tar.gz  |   |        |  |            |
|            |                                     | 3) select directory the root directory   |   |        |  |            |
|            |                                     | Select directory the root directory     Select trace type "Automatic", unselect "Overwrite existing        | All traces are imported with trace type set. The    |        |  |            |
|            | Import from tar.gz archive, no      | without warning" and unselect "Preserve Folder Structure"  | traces from folder "clashes" are renamed with       |        |  |            |
|            | preserve folder structure           | 5) press Finish  | suffix (2). Make sure that the traces can be        |        |  |            |
| 3.40       | preserve loider structure           | 6) Select Rename All when dialog comes up.   | opened  | SWTBot | Pass   |            |
| 3.40       | B                                   |  | opened  | SWIDOL | 1 633  |            |
|            | Preparation                         | Delete all traces in project   |   |        |  |            |
|            |                                     | 1) Open Import wizard (see 3.1-3.2)  |   |        |  |            |
|            |                                     | 2) Select archive file: traces.tar.gz  |   |        |  |            |
|            |                                     | 3) select file "z-clashes/ExampleCustomTxt.txt" and folder   |   |        |  |            |
|            |                                     | "kernel-overlap-testing"   |   |        |  |            |
|            |                                     | 4) Select trace type "Automatic", and select "Preserve Folder  |   |        |  |            |
|            | Import from tar.gz archive specific |  | type set. Make sure that the traces can be          |        |  |            |
| 3.41       | traces                              | 5) press Finish  | opened.   | SWTBot | Pass   |            |
|            |                                     |  |   |        |  |            |
| 4          | Trace                               |  |   |        |  |            |
| 4.1        | Trace menu                          | Select an LTTng trace and open its context menu  | Correct menu opens (Open , Copy, Rename,            | SWTBot | Pass   |            |
| 4.2        | Open trace                          | Select the Open menu   | Trace is opened and views are populated             | SWTBot | Pass   |            |
| 4.3        | Copy trace                          | Select the Copy menu and provide a new name. Open.   | Trace is replicated under the new name              | SWTBot | Pass   |            |
| 4.4        | Rename trace                        | Select the Copy ment and provide a new name. Open.  Select the Rename menu and provide a new name. Reopen. | Trace is renamed. The trace editor is closed.       | SWTBot | Pass   |            |
|            |                                     |  |   |        |  |            |
| 4.5        | Delete trace                        | Select the Delete menu and confirm deletion  | Trace is deleted. The trace editor is closed.       | SWTBot | Pass   |            |
| 4.6        | Open Trace (Accelerator)            | Select trace and press Enter   | Trace is opened                                     | SWTBot | Pass Numpad-enter doesn't work   |            |
| 4.7        | Delete Trace (Accelerator)          | Select trace and press Delete and confirm deletion   | Trace is deleted. The trace editor is closed.       | SWTBot | Pass   |            |
| 4.8        | Open Trace (double click)           | Double-click a trace   | Trace is opened                                     | SWTBot | Pass   |            |
| 4.9        | Open Trace (already open)           | Open two traces. Open the first trace again.   | The first trace editor is simply brought to front.  | SWTBot | Pass   |            |
|            |                                     |  |   |        |  |            |
| 5          | Experiments Folder                  |  |   |        |  |            |
|            | ,                                   |  | Correct menu opens (New, Manage XML                 |        |  |            |
| 5.1        | Experiments menu                    | Select the Experiments folder and open it context menu   | Analysis, Refresh)                                  | RCPTT  | Pass   |            |
| 5.2        | Create experiment                   | Select the New menu and provide experiment name  | Experiment appears under folder, no traces yet      | RCPTT  | Pass   |            |
| 0.2        | отовко охронинона                   | Solds and 1.5.4 mond and provide experiment fidnic   | Exportment appears under rolder, no traces yet      |        |  |            |
|            | Funcionant                          |  |   |        |  |            |
| 6          | Experiment                          | Oalant an armadosant and ana 11 to 1   | Correct many anana (C-1t O O-                       | DODTT  | The state of the s |            |
| 6.1        | Experiment menu                     | Select an experiment and open its context menu   | Correct menu opens (Select, Open , Copy,            | RCPTT  | Pass   |            |
| 6.2        | Select Traces dialog                | Select the Select Traces menu  | Select Traces dialog is open and populated w/       | RCPTT  | Pass   |            |
| 6.3        | Select traces                       | Select a few LTTng traces and finish   | Selected traces are imported in the experiment      | RCPTT  | Pass   |            |
|            | Open experiment                     | Select the Open menu   | Experiment opened and views populated               | Manual | Pass   | Automation |
| 6.4        | Open experiment                     |  |   |        |  |            |
| 6.4<br>6.5 | Copy experiment                     | Select the Copy menu and provide a new name. Open.   | Experiment is replicated under the new name         | RCPTT  | Pass   |            |
| 6.5        | Copy experiment                     |  |   | RCPTT  |  |            |
| 6.5<br>6.6 | Copy experiment Rename experiment   | Select the Rename menu and provide a new name. Open.   | Experiment is renamed                               | RCPTT  | Pass   |            |
| 6.5        | Copy experiment                     |  |   |        |  |            |

| 6.9  | Delete Experiment (Accelerator)        | Select an Experiment and press Delete and confirm deletion                                    | Experiment is deleted   | RCPTT     | Pass         |                         |
|------|--|---|---|-----------|--------------|-------------------------|
|      | Delete Experiment (open                | Open an experiment, select experiment and press Delete and                                    |   |           | . 466        |                         |
|      | experiment)                            | confirm deletion  | Experiment is closed and deleted  | SWTBot    | Pass         |                         |
|      | Select Traces while Experiment is open | Open an experiment and select an additional trace (see 6.3)                                   | Experiment is closed and selected traces are imported to the experiment                           | SWTBot    | Pass         |                         |
| 7    | Experiment Traces                      |   |   |           |              |                         |
|      | _                                      |   | Correct menu opens w/ Copy disabled +   |           |              |                         |
| 7.1  | Trace menu                             | Select an LTTng trace and open its context menu   | Remove  | RCPTT     | Pass         | Automation              |
| 7.2  | Open trace                             | Select the Open menu  | Trace is opened and views are populated   | Manual    | Pass         | Candidate               |
|      |  | Open Experiment, select the Remove menu and confirm   | Experiment is closed, trace is removed from   | DODTT     |              |                         |
| 7.3  | Remove trace                           | removal   | experiment Selected traces are added to the experiment  | RCPTT     | Pass         |                         |
| 7.4  | Drag and Drop from Traces              | D&D a few LTTng traces from the Traces directory  | with proper icon. Experiment can be opened.  Selected traces are added to the experiment +        | Manual    | Pass         |                         |
|      | Drag and Drop from other Tracing       | D&D a few LTTng traces from another Tracing project's   | Traces with proper icon. Experiment can be  |           |              |                         |
| 7.5  | project                                | Traces folder   | opened.   | Manual    | Pass         |                         |
|      |  | D&D a few traces from a non-Tracing project, if dragging a                                    | Selected traces are added to the experiment +<br>Traces with proper icon. Experiment can be       |           |              |                         |
| 7.6  | Drag and Drop from non-Tracing         | CTF it needs to be the whole folder and not just the file                                     | opened.   | Manual    | Pass         |                         |
|      |  |   | Selected traces are added to the experiment +   |           |              |                         |
| 7.7  | Drag and Drop from external            | D&D a few traces from an external file manager  | Traces with proper icon. Experiment can be opened.  | Manual    | Pass         |                         |
| 1.1  | Drag and Drop from external            | Dod a few traces from an external file manager  | Selected traces are added to the experiment.  | iviariuai | FdSS         |                         |
|      | Drag and Drop from external (non-      |   | Traces with proper icon (system's). Experiment  |           |              |                         |
| 7.8  | traces)                                | D&D a few files (non-traces) from an external file manager                                    | cannot be opened.   | Manual    | Pass         |                         |
|      | Drag and Drop of trace with            | <ol> <li>D&amp;D a trace with name of an existing trace into experiment<br/>folder</li> </ol> | and experiment folder with the trace name of  |           |              |                         |
|      |  | 2) Confirm the renaming of traces   | the original trace plus a suffix (2)  | Manual    | Pass         |                         |
|      | Drag and Drop of trace with            | Redo test 7.8 with the same trace and same destination  | Verify that trace is added into the traces folder<br>and experiemnt folder with the trace name of |           |              |                         |
|      | existing name (2nd time)               | folder  | the original trace plus a suffix (3)  | Manual    | Pass         |                         |
|      | Drag and Drop of trace while           | Open an experiment and D&D a trace from the Traces  | Experiment is closed and selected traces are  |           |              |                         |
| 7.11 | Experiment is open                     | directory (see 7.4)   | imported to the experiment  | Manual    | Pass         |                         |
| 8    | Propagation                            |   |   |           |              |                         |
|      |  | Copy experiment   | Selected experiment is replicated   | SWTBot    | Pass         |                         |
|      | •                                      |   | New name is propagated to both experiments  |           |              | Automation              |
| 8.2  | Rename propagation                     | In Traces folder, rename a trace showing in both experiments                                  | (and when renaming the experiment) Selected trace is removed from both                            | Manual    | Pass         | Candidate               |
|      |  |   | experiments; also propagates when deleting  |           |              |                         |
|      |  |   | trace in experiment   |           |              | Automation              |
| 8.3  | Delete propagation                     | In Traces folder, delete a trace showing in both experiments                                  | Deleting all traces deletes the experiment  | Manual    | Pass         | Candidate<br>Automation |
| 8.4  | Propagate trace type 1                 | Add a trace to 2 experiments. Change its type from Traces                                     | All occurences of that trace are updated  | Manual    | Pass         | Candidate               |
| 8.5  | Propagate trace type 2                 | Add a trace to 2 experiments. Change its type from one of the<br>experiments                  | All occurences of that trace are updated  | Manual    | Pass         | Automation<br>Candidate |
| 0.0  | Fropagate trace type 2                 | experiments   | All occurences of that trace are updated  | iviailuai | Fass         | Candidate               |
|      | Properties View                        |   |   |           |              |                         |
| 9    | Synchronization                        |   |   |           |              | 4                       |
|      |  |   | The Properties view is updated with the selected trace's "Resource properties" Property           |           |              |                         |
|      |  |   | and Value. The "Info > type" property shows   |           |              |                         |
|      |  | Select a trace under a Traces folder in Project Explorer view.                                | the selected trace category and trace type  |           |              |                         |
| 9.1  | Trace synchronization                  | Repeat with trace under an Experiment.  | name. The Properties view is updated with the   | Manual    | Pass         |                         |
|      |  | Select a Traces folder, Experiments folder, or an experiment                                  | selected item's Property and Value. For   |           |              | Automation              |
| 9.2  | Other trace nodes synchronization      | in Project Explorer view.   | Experiment verify the "type" property is set.   | Manual    | Pass         | Candidate               |
| 9.3  | Check trace properties                 | Open an LTTng kernel trace, click on the trace, check the<br>new properties view.             | "Trace properties" should be populated  | Manual    | Pass         | Automation<br>Candidate |
| 0.0  |  | Open an experiment which contains LTTng kernel traces,  | ridec properties silvata de populacea   | iviailuai | 1 033        | Gariuluale              |
|      | Check trace properties -               | click on the experiment, then select each trace under   | The "Trace properties" should be populated for  |           |              | Automation              |
| 9.4  | experiment                             | experiment, check the new properties view.  | every subtrace when it is selected  | Manual    | Pass         | Candidate               |
| 10   | Trace Type Selection                   |   |   |           |              |                         |
|      | -                                      |   | Imported trace appears in Traces with default   |           |              |                         |
|      |  | Import a file with unrecognized trace type (\${local}   | icon. File can be opened by default Editor<br>(either Eclipse text or system editor depending     |           |              |                         |
|      |  |   | on plug-ins installed)  | SWTBot    | Pass         |                         |
| 10.1 |  | /traces/import/unrecognized.log)  |   |           |              |                         |
| 10.2 | Preparation Trace properties           | Select the trace and open the Properties View   | Properties "type" and "type ID" are blank   | Manual    | Pass         |                         |
| 10.2 | Preparation Trace properties           |   |   |           | Pass<br>Pass |                         |

|       |   | 1) In Project Explorer remove filter for hidden resources                           |   |         |  |            |
|-------|---|---|---|---------|--|------------|
|       |   | (Coolbar menu > Customize View > unselect '.*                                       |   |         |  |            |
|       |   | resources)  | Verify that .tracing directory is shown under the   | DODTT   |  |            |
| 11.1  | Preparation   | 2) Create Experiment with 2 LTTng CTF traces in it                                  | project Verify that org.eclipse.tracecompass.analysis.  | RCPTT   | Pass   |            |
| 11.2  | Create Supplementary File (State History File) from trace | Open a LTTng CTF trace and wait for indexing to finish                              | os.linux.kernel.ht is created under .   | RCPTT   | Pass   |            |
|       |   | a) Select trace under Folder Traces and click right mouse                           |   |         |  |            |
|       |   | button  |   |         |  |            |
|       | - 0   | b) Redo test: Select trace under Experiment Folder                                  | Verify that menu item 'Delete Supplementary   | DODTT   |  |            |
| 11.3  | Trace Context sensitive menu                              | c) Redo test: Select Experiment  1) Select trace and click right mouse button       | Files' is shown in the context-sensitve menu  Verify that confirmation dialog box is opend  | RCPTT   | Pass   |            |
| 11.4  | Delete Supplementary Files Action                         | 2) Select 'Delete Supplementary Files'  | and <trace name="">/StateHistory.ht is listed</trace>   | RCPTT   | Pass   |            |
|       | Select and delete State History                           |   | Make sure that file .tracing/ <trace< td=""><td></td><td></td><td></td></trace<>  |         |  |            |
| 11.5  | File  | Select <trace name="">/StateHistory.ht file and click on 'Ok'</trace>               | name>/StateHistory.ht is deleted from the   | RCPTT   | Pass   |            |
|       |   |   | Verify that two StateHistory.ht files are created under .tracing/ <trace1 name="">/ and .</trace1>  |         |  |            |
|       | Create Supplementary File (State                          |   | /tracing/ <trace2 name="">/ respectively. Also</trace2>   |         |  |            |
| 11.6  | History File) from experiment                             | Open Experiment with 2 LTTng CTF traces   | verify, that supplementatry folder for the  | RCPTT   | Pass Control of the C |            |
|       |   |   | Verify that confirmation dialog box is opend and shows 3 root entries:  |         |  |            |
|       |   | Select Experiment and click right mouse button                                      | <pre><exp name="">, <trace1 name=""> and <trace2< pre=""></trace2<></trace1></exp></pre>  |         |  |            |
| 11.7  | Delete Supplementary Files Action                         | 2) Select 'Delete Supplementary Files'  | name>, with their respective supplementary  | RCPTT   | Pass   |            |
|       | ,   |   | Make sure that the selected file .tracing/ <trace< td=""><td></td><td></td><td></td></trace<>   |         |  |            |
|       | Select and delete State History                           | Select one history file ( <trace name="">/StateHistory.ht) and</trace>              | name>/StateHistory.ht is deleted from the   | DODTT   |  |            |
| 11.8  | File  | click on 'Ok'   | project explorer view   | RCPTT   | Pass   |            |
|       | Select and delete multiple State                          | Redo 11.2 and 11.6     Select both history files and click on 'Ok'                  | Make sure that both history files are deleted under .tracing/ <trace1 name="">/ and .</trace1>  |         |  |            |
| 11.9  | History files   | ,   | tracing/ <trace2 name="">/ respectively</trace2>  | RCPTT   | Pass Control of the C |            |
|       |   | a) Redo 11.2 to create Supplementary File   | Verify that supplementary directory .   | DODTT   |  |            |
| 11.10 | Delete Trace  | b) Delete trace   | tracing/ <trace name="">/ is deleted.</trace>   | RCPTT   | Pass   |            |
|       |   |   | Verify that supplementary File StateHistory.ht . tracing/ <trace1 name="">/ and ./tracing/<trace2< td=""><td></td><td></td><td></td></trace2<></trace1> |         |  |            |
|       |   |   | name>/ are NOT deleted. Also verify that the  |         |  |            |
|       |   | a) redo 11.6 to create experiment and Supplementary File                            | supplementary folder for the experiment .   | DODTT   |  |            |
| 11.11 | Delete Experiment   | b) delete Experiment  | /tracing/exp_name_exp is deleted.   | RCPTT   | Pass   |            |
|       |   | a) redo 11.6 to create experiment and Supplementary File                            | Verify that supplementary File StateHistory.ht . tracing/ <trace1 name="">/ and ./tracing/<trace2< td=""><td></td><td></td><td></td></trace2<></trace1> |         |  |            |
| 11.12 | Delete Experiment Trace                                   | b) remove traces under Experiment   | name>/ are NOT deleted  | RCPTT   | Pass _   |            |
|       | Delete Supplementary Files Action                         |   | Verify that trace is closed and supplementary   | DODTT   |  |            |
| 11.13 | while trace is open                                       | Open trace and then redo 11.4   | files are deleted   | RCPTT   | Pass   |            |
| 12    | Link With Editor  |   |   |         |  |            |
|       |   | 1) In Project Explorer make sure that "Link with Editor"                            |   |         |  |            |
| 12 1  | Preparation   | button is selected 2) Open multiple traces and experiments                          |   | RCPTT   | Pass   |            |
| 12.1  | Freparation   | 2) Open multiple traces and experiments   | Verify that after each selection the  | IXOI II |  |            |
|       | Select trace/experiment in Editors                        | Select several traces and experiments one after each other in                       | corresponding trace or experiment element is  |         |  |            |
| 12.2  | area  | Editors area  | selected in the Project Explorer  | RCPTT   | Pass   |            |
|       | Select opened traces/experiments                          | Select several open traces and experiments one after each                           | Verify that after each selection the<br>corresponding trace or experiment is brought  |         |  | Automation |
| 12.3  | in Project Explorer                                       | other in Project Explorer   | to the top in the Editors area  | Manual  | Pass   | Candidate  |
|       |   | 1) In Project Explorer make sure that "Link with Editor" button                     |   |         |  |            |
| 12.4  | Preparation   | is not selected 2) Open multiple traces and experiments (if not open)               |   | RCPTT   | Pass   |            |
| .2.7  |   | Select several traces and experiments one after each other in                       | Verify that selection in Project Explorer doesn't   | 11      |  |            |
| 12.5  | area  | Editors area  | change  | RCPTT   | Pass   |            |
| 12.6  | Select opened traces/experiments<br>in Project Explorer   | Select several open traces and experiments one after each other in Project Explorer | Verify that Editor in focus is not changed  | RCPTT   | Pass   |            |
| 12.0  | III I TOJEGI EXPIDIEI                                     | other in Froject Explorer   | verify that Editor in locus is not changed  | NOFII   | 1 000  |            |
| 13    | Trace Package Export Wizard                               |   |   |         |  |            |
|       |   | Import 2 traces that generate supplementay files     (trace2. kernel_vm)            |   |         |  |            |
|       |   | 2) Open both traces, wait for the indexing to finish                                |   |         |  |            |
| 13.1  | Preparation   | 2) Add bookmarks in the two traces  |   | Manual  | Pass   |            |
| 13.2  | Open the trace package export<br>wizard                   | Right Click on a trace ans select "Trace Package Export" and click Next             | A wizard should appear with a list of projects<br>and traces to select. Next button should be   | SWTBot  | Pass   |            |
| 13.2  | wizaiU  | GITO OHON INCAL   | Next should become enabled when the first   | SVVIDUL | 1 000  |            |
|       |   | On the left side, select the project in which the traces were                       | trace is selected. If all traces are unselected,  |         |  |            |
| 13.3  | Select Traces   | imported. Then on the right side, select both traces.                               | the Next button is disabled.  | SWTBot  | Pass   |            |
|       |   | With traces selected, press the Deselect All button. Then                           | Next should become disabled after Deselect  |         |  |            |
| 13.4  | Deselect/Select All                                       | press the Select All button. Click Next.  | All, enabled after Select All.  | SWTBot  | Pass   |            |

| 13.5  | Trace element selection                                     | Unselect the trace2 element   | All elements in the trace tree are unselected,<br>the Approximate uncompressed size field<br>changes to a lower number.   | SWTBot   | Pass   |                         |
|-------|---|---|---|----------|--|-------------------------|
|       |   |   | All elements in the trace tree are unselected,<br>the Approximate uncompressed size field   |          |  | Automation              |
| 13.6  | Trace sub-element selection                                 | Unselect the kernel_vm > Trace element  | changes to 0. The Finish button is disabled. When Select All is clicked, all the tree elements are selected, the approximate size increases. When Deselect All is clicked, all the tree   | Manual   | Pass   | Candidate               |
| 13.7  | Select/Deselect All   | With nothing selected, click Select All. Then click Deselect All. Then click Select All again.  | elements are deselected and the approximate size decreases.   | Manual   | Pass   | Automation<br>Candidate |
| 13.8  | Archive file selection                                      | 1) Click on the Browse button. 2) Select a location on the filesystem 3) Enter the file name export.tar   | A file chooser dialog comes up. When the destination file is entered, the "To archive file" is filed with export.tar.gz. The Finish button should be enabled.   | Manual   | Pass   | Automation<br>Candidate |
|       | Change export options, change                               | · ·   | The name of the archive file changes to export.   |          |  |                         |
|       | compression Change export options, change                   | Unselect the "Compress" checkbox.   | tar The name of the archive file changes to export.   | SWTBot   | Pass   |                         |
|       | format Change export options, change format and compression | Change to Zip format  Change to Tar format then select the Compress checkbox.   | zip The name of the archive file changes to export. tar.gz  | SWTBot   | Pass Pass  | Automation<br>Candidate |
| 13.11 | format and compression                                      | Change to fair format them select the Compress checkbox.  | A progress bar should appear at the bottom the the dialog and it should disappear upon  | ivianuai | rds  | Candidate               |
| 13.12 | Finish the wizard   | Click Finish  | completion. The export.tar.gz file should be The Archive file name should be remembered   | SWTBot   | Pass   |                         |
| 13.13 | Overwrite   | Open the wizard again and select the traces (step 13.2, 13.3). Click Finish.  | and already filled. A dialog should prompt the<br>user to overwrite. Answering No should keep<br>the wizard opened. Answering Yes should re-<br>export the archive and close the wizard.  | Manual   | Pass   | Automation<br>Candidate |
| 13.14 | Verify formats  | Open the wizard again and select the traces (step 13.2, 13.3). This time, choose Zip format. Click Finish.  | The export.zip file should be created on the file system  | Manual   | Pass   | Automation<br>Candidate |
|       |   |   | In both archives, verify that it contains:  1) A trace folder for each trace containing all the trace files (excluding supplementary files)  2) A tracing folder containing all the supplementary files  3) An export-manifest.xml file listing the trace |          |  |                         |
| 13.15 | Verify content  | Open the tar.gz and zip files in an archive manager.  Open the wizard again and select the traces (step 13.2, 13.3). This time, unselect both Supplementary files subtrees.   | files, supplementary files and bookmarks Verify that both exported archives contain: 1) A Traces folder containing all the trace files (excluding supplementary files) 2) No. tracing folder 3) An export-manifest.xml file listing the trace             | Manual   | Pass   |                         |
| 13.16 | Partial selection   | Click Finish.   | files and bookmarks   | Manual   | Pass   |                         |
| 14    | Trace Package Import Wizard                                 |   |   |          |  |                         |
| 44.4  | Preparation   | Create an empty tracing project. Make sure you have<br>export.tar.gz available from the Trace Package Export<br>Wizard (13) test case, which should include everything<br>including trace files, supplementary files and export-<br>manifest.xml. |   | Manual   | Pass   |                         |
| 14.1  | Open the trace package import                               | Click on "File", "Import", "Tracing", "Trace Package Import"  | The first page of the wizard should appear  | Manuai   | Pass   |                         |
| 14.2  | wizard  | and click Next  Click the Select button. Choose the previously created  | (Choose content to import)  The Into project field gets filled with the   | SWTBot   | Pass   |                         |
| 14.3  | Project Selection   | project.  | selected project name.  Finish should be become enabled when the  | SWTBot   | Pass   |                         |
| 14.4  | Archive file selection                                      | Click on the Browse button.     Browse for export.tar.gz on the file system     With traces selected, press the Deselect All button. Then   | first trace is selected. If all traces are unselected, the Next button is disabled.  Finish should become disabled after Deselect   | SWTBot   | Pass   |                         |
| 14.5  | Deselect/Select All   | press on the Select All button.   | All, enabled after Select All.  | SWTBot   | Pass   |                         |
| 14.6  | Trace element selection                                     | Unselect the trace2 element   | All elements in the trace tree are unselected.  | SWTBot   | Pass   | Automation              |
| 14.7  | Trace sub-element selection                                 | Unselect the kernel_vm > Trace element  | All elements in the trace tree are unselected.  When Select All is clicked, all the tree elements   | Manual   | Pass Control of the C | Automation<br>Candidate |
| 14.8  | Select/Deselect All   | With nothing selected, click Select All. Then click Deselect All. Then click Select All again.  | are selected. When Deselect All is clicked, all the tree elements are deselected  | SWTBot   | Pass   |                         |
| 14.9  | Finish the wizard   | Click Finish  | A progress bar should appear at the bottom the the dialog and it should disappear upon completion. The two traces should appear under the project in Project Explorer   | SWTBot   | Pass.  |                         |
|       |   |   | Delete Supplementary files appears in the   |          |  | Automation              |
| 14.10 | Supplementary Files   | Right-click on trace2 in Project Explorer   | content menu  | Manual   | Pass   | Candidate               |
| 14.11 | Bookmarks   | Open the Bookmarks view   | Bookmarks view appears The corresponding trace opens at the   | Manual   | Pass   | Candidate               |
| 14.12 | Open from bookmark  | Double click on one of the bookmarks  | bookmarked event. Bookmarks are displayed in the event table.   | Manual   | Pass   | Automation<br>Candidate |

| 14.13 | Overwrite  | Open the wizard again (step 14.2) and select the archive file (step 14.4). Click Finish.  | A dialog should prompt the user to overwrite for each trace. Answering Yes to All should overwrite without prompting again.   | Manual | Pass https://bugs.eclipse.org/bugs/show_bug.cgi?id=579323 | Automation<br>Candidate |
|-------|--|---|---|--------|---|-------------------------|
|       | - ar   |   |   |        |   |                         |
|       | Time Offsetting  Preparation   | Open Project Explorer view and Properties view. Create an empty tracing project. Import two different traces to the project. Open the traces and note their start time. Close the traces.   |   | Manual | Pass  |                         |
| 15.2  | Apply time offset dialog - trace selection                                   | Select both trace elements in the Project Explorer view. Right-click and select Apply Time Offset   | The Apply time offset dialog opens in Basic mode. The Trace name show both traces and the Offset in seconds is blank.   | SWTBot | Pass  |                         |
| 15.3  | Apply time offset dialog - folder selection                                  | Select the Traces folder element in the Project Explorer view.<br>Right-click and select Apply Time Offset  | The Apply time offset dialog opens in Basic mode. The Trace name show both traces and the Offset in seconds is blank.   | SWTBot | Pass  |                         |
| 15.4  | Apply time offset dialog - experiment selection                              | Create an experiment with both traces. Select the experiment element in the Project Explorer view. Right-click and select Apply Time Offset   | The Apply time offset dialog opens in Basic mode. The Trace name show both traces and the Offset in seconds is blank.   | SWTBot | Pass  |                         |
| 15.5  | Apply time offset dialog - Basic mode  | Select a trace element in the Project Explorer view. Right-<br>click and select Apply Time Offset In the Offset in seconds<br>column, enter a time with seconds and decimals. Click OK.<br>Open the trace.  | The timestamps in the trace are all offset by the entered value. The Properties view shows the 'time offset' with the entered value.  | SWTBot | Pass  |                         |
| 15.6  | Apply time offset dialog - cumulative offset                                 | Select the same trace element in the Project Explorer view.<br>Right-click and select Apply Time Offset In the Offset in<br>seconds column, enter a time with seconds and decimals.<br>Click OK. Open the trace.  | The timestamps in the trace are all offset by the cumulative sum of the previous and current entered value. The Properties view shows the 'time offset' with the cumulative value.  | SWTBot | Pass  |                         |
| 15.7  | Clear time offset  | Select the trace element in the Project Explorer view. Right-<br>click and select Clear time offset. Click OK to confirm. Open<br>the trace.  | The timestamps in the trace are back to their original values. The Properties view shows the 'time offset' as blank.  | SWTBot | Pass  |                         |
| 15.8  | Apply time offset dialog -<br>Advanced mode                                  | Open one trace and close the other trace. Select both trace elements in the Project Explorer view. Right-click and select Apply Time Offset Choose the Advanced radio button.   | The Apply time offset dialog opens and is switched to Advanced mode. The Trace name shows both traces and the Offset in seconds is blank. The Reference time for the opened trace is set to its start time.   | Manual | Pass  | Automation<br>Candidate |
| 15.9  | Apply time offset dialog -<br>Advanced mode - compute from<br>selection      | Double-click the second trace to open it. Select an event in its trace editor. Select the first trace editor. Select an event in its trace editor. Click the button in the dialog row of the second trace. Click OK. Open both traces.  | Both traces are open. Selecting an event updates the Reference time for the selected trace, and updates the Target time for all traces. Pressing the button computes the Offset in seconds as the difference between Target time and Reference time for that row. The trace which has a computed offset is closed when the OK button is pressed. After reopening, the two previously selected events now have the same timestamp. The Properties view (selected trace in Explorer) shows the 'time offset' with the computed value. | Manual | Pass  | Automation<br>Candidate |
| 15.10 | Apply time offset dialog -<br>Advanced mode - compute from<br>entered values | Select the first trace element in the Project Explorer view. Right-click and select Apply Time Offset Choose the Advanced radio button. Double-click the trace name to open it. Select the Reference time cell and copy the start time. Select the Target time and paste the value. Edit both values to different times. Click the button in the trace row. Click OK. Open the trace. | The trace is opened. The Reference time is set to the trace start time. The Reference time and Target time can be copied, pasted, and edited. Pressing the button computes the Offset based on the current time values. The trace is closed with the OK button is pressed. After reopening, the timestamps in the trace are offset according to the computed value. The Properties view shows the 'time offset' with the computed value.  | Manual | Pass  |                         |
| 15.11 | Clear time offset with opened traces   | Open both traces. Select both trace elements in the Project Explorer view. Right-click and select Clear time offset. Click OK to confirm. Open the traces.  | The opened traces are closed when the OK button is pressed. After reopening, the timestamps in the traces are back to their original values. The Properties view shows the 'time offset' as blank.  | Manual | Pass  |                         |

|         | Section                               | Pass   | Fail   | Automated | To Do        | Comments |
|---------|---------------------------------------|--|--|-----------|--------------|----------|
|         | TMF - Bookmarks View                  | 17   | 0  | 17        | 0            | 0        |
| Target: | Unspecified                           |  |  |           |              |          |
| Ston    | Test Case                             | Action   | Verification   | Type      |              | Comment  |
| Step    | rest Case                             | Action   | verification   | Type      |              | Comment  |
| 1       | Preparation                           |  |  |           |              |          |
| 1.1     | Preparation step 1                    | Open and reset LTTng Kernel perspective  | LTTng Kernel perspective opens with  | SWTBot    | Pass         |          |
|         |                                       |  |  |           |              |          |
| 2       | Trace bookmarks                       |  | B 1 1 1 1 1  | OMETRIA   |              |          |
| 2.1     | Show Bookmarks View  Open trace       | Select Bookmarks view (bottom folder)  Open an LTTng CTF Kernel trace  | Bookmaks view is shown Views are populated. Verify that a Kernel events editor is opened showing LTTng Kernel specific columns   | SWTBot    | Pass<br>Pass |          |
| 2.3     | Add Trace Bookmark                    | Add a bookmark, by a) double-clicking on the left margin next to an event b) right-clicking the margin and select Add bookmark c) using the Edit > Add bookmark menu. Enter the bookmark description in dialog box | Make sure that bookmark icon is shown on left site of the event row and is added to the Bookmarks view with relevant information (i.e. Description entered and correct trace resource) | SWTBot    | Pass         |          |
| 2.4     | Open Trace Bookmark (1)               | Scroll within event table so that bookmark is not visible anymore and then double-click on bookmark in Bookmarks View  | Make sure that event with bookmark is selected and visible in event table  | SWTBot    | Pass         |          |
| 2.5     | Open Trace Bookmark (2)               | Open another trace #2 and then double-click on bookmark in Bookmarks view  | Make sure that correct trace #1 is brought to top and correct event with bookmark is selected in events table  | SWTBot    | Pass         |          |
| 2.6     | Open Trace Bookmark (3)               | Close the trace #1 and then double-click on bookmark in Bookmarks view   | Make sure that correct trace #1 is opened and correct event with bookmark is selected in events table  | SWTBot    | Pass         |          |
| 2.7     | Delete Bookmark (from table)          | Select bookmarks icon in event table right-click on icon and select "Remove Bookmark"  | Make sure that bookmark icon is removed from event table and corresponding bookmark is removed from the Bookmarks view   | SWTBot    | Pass         |          |
| 2.8     | Delete Bookmark (from table)          | Double-clicking bookmarks icon in event table.   | Make sure that bookmark icon is removed from event table and corresponding bookmark is removed from the Bookmarks view   | SWTBot    | Pass         |          |
| 2.9     | Delete Bookmark (from Bookmarks view) | Add a bookmark (see 2.4), then select bookmark in Bookmarks view, right mouse click and select "Delete". Confirm the deletion.   | Make sure that bookmark icon is removed from event table and corresponding Bookmark is removed from the Bookmarks view   | SWTBot    | Pass         |          |

| 3   | Experiment bookmarks                  |  |   |        |      |  |
|-----|---------------------------------------|--|---|--------|------|--|
| 3.1 | Create and open experiment            | Create Experiment with 2 LTTng CTF Kernel traces in it and open experiment   | Verify that an Events editor is opened showing LTTng Kernel specific columns  | SWTBot | Pass |  |
| 3.2 | Add Experiment<br>Bookmark            | Add a bookmark, by a) double-clicking on the left margin next to an event b) right-clicking the margin and select Add bookmark c) using the Edit > Add bookmark menu. Enter the bookmark description in dialog box | Make sure that bookmark icon is shown on left site of the event row and is added to the Bookmarks view with relevant information (i.e. Description entered and correct experiment resource) | SWTBot | Pass |  |
| 3.3 | Open Experiment<br>Bookmark (1)       | Scroll within event table so that bookmark is not visible anymore and then double-click on bookmark in Bookmarks View  |   | SWTBot | Pass |  |
| 3.4 | Open Experiment<br>Bookmark (2)       | Open another trace #2 and then double-click on bookmark in Bookmarks view  | Make sure that correct experiment #1 is brought to top and correct event with bookmark is selected in events table  | SWTBot | Pass |  |
| 3.5 | Open Experiment<br>Bookmark (3)       | Close the experiment #1 and then double-click on bookmark in Bookmarks view  | Make sure that correct experiment #1 is opened and correct event with bookmark is selected in events table  | SWTBot | Pass |  |
| 3.6 | Delete Bookmark (from table)          | Select bookmarks icon in Events view, right-click on icon and select "Remove Bookmark"   | Make sure that bookmark icon is removed from event table and corresponding bookmark is removed from the Bookmarks view  | SWTBot | Pass |  |
| 3.7 | Delete Bookmark (from Bookmarks view) | Add a bookmark (see 6.4), then select bookmark in Bookmarks view, right mouse click and select "Delete". Confirm the deletion.   | Make sure that bookmark icon is removed from event table and corresponding Bookmark is removed from the Bookmarks view  | SWTBot | Pass |  |

|         | Section                  | Pass   | Fail         | Automated | To Do | Comments |
|---------|--------------------------|--|--------------|-----------|-------|----------|
|         | TMF - Filters View       | 12   | 0            | 12        | 0     | 1        |
| Target: | Unspecified              |  |              |           |       |          |
|         |                          |  |              |           |       |          |
| Step    | Test Case                | Action   | Verification | Type      |       | Comment  |
|         |                          |  |              |           |       |          |
|         | ,                        |  |              |           |       |          |
|         | Open a trace to be       |  |              |           |       |          |
| 1       | filtered                 | Trace is opened  | SWTBot       | SWTBot    | Pass  |          |
| 2       | Open filter view         | Filter view is opened                                      | SWTBot       | SWTBot    | Pass  |          |
|         | Create a filter on event | The filterview contains a filter on the event type and the |              |           |       |          |
| 3       | type and timestamp       | timestamp  | SWTBot       | SWTBot    | Pass  |          |
| 3.1     | Apply that filter        | A subset of the events pass                                | SWTBot       | SWTBot    | Pass  |          |
|         | Create a filter on the   |  |              |           |       |          |
|         | timestamp oring field    |  |              |           |       |          |
| 4       | values                   | Create the filter  | SWTBot       | SWTBot    | Pass  |          |
| 4.1     | Apply that filter        | A subset of the events pass                                | SWTBot       | SWTBot    | Pass  |          |
|         | Create a filter with     |  |              |           |       |          |
| 5       | equals node              | Create the filter  | SWTBot       | SWTBot    | Pass  |          |
| 5.1     | Apply that filter        | A subset of the events pass                                | SWTBot       | SWTBot    | Pass  |          |
|         | Create a filter with     |  |              |           |       |          |
| 6       | matches node             | Create the filter  | SWTBot       | SWTBot    | Pass  |          |
| 6.1     | Apply that filter        | A subset of the events pass                                | SWTBot       | SWTBot    | Pass  |          |
|         | Create a filter with     |  |              |           |       |          |
| 7       | contains node            | Create the filter  | SWTBot       | SWTBot    | Pass  |          |
| 7.1     | Apply that filter        | A subset of the events pass                                | SWTBot       | SWTBot    | Pass  |          |

|      | Section  | Pass   | Fail  | Automated To | Comments   |  |  |  |  |  |
|------|--|--|---|--------------|--|--|--|--|--|--|
|      | TMF - Histogram View   | 51   | 0   | 6            | 1  |  |  |  |  |  |
|      | Windows  |  |   |              |  |  |  |  |  |  |
| Step | Test Case  | Action   | Verification  | Type         | Comment  |  |  |  |  |  |
| 1    | Preparation  |  |   |              |  |  |  |  |  |  |
| 11   | Sten 1   | Open and reset LTTng Kernel perspective  | LTTng Kernel perspective opens with<br>correct views  | SWTBot Pa    |  |  |  |  |  |  |
| 1.1  | Step 2   | Open an LTTng trace  | Views are populated   | SWTBot Pa    |  |  |  |  |  |  |
| 2    | Manage View  |  |   |              |  |  |  |  |  |  |
|      | _  | Clear the University View  | Histogram View is removed from  | CHALL BY     |  |  |  |  |  |  |
|      | Close view   | Close the Histogram View   | perspective<br>Histogram View is displayed and re-  | SWTBot Pa    |  |  |  |  |  |  |
|      | Open view  | Window > Show View > Tracing > Histogram   | populated<br>Histograms are   | SWTBot Pa    |  |  |  |  |  |  |
| 2.3  | Resize   | Resize the Histogram View width-wise   | compressed/decompressed without loss  | SWTBot Pa    |  |  |  |  |  |  |
| 3    | Full Trace Histogram   |  |   |              |  |  |  |  |  |  |
|      |  |  | Selection Start/End + blue bars are<br>updated  |              |  |  |  |  |  |  |
| 3.1  | Single selection   | Select timestamp with left-click   | updated Zoom window also moves Selection Start/End + blue bars are  | Manual Pa    |  |  |  |  |  |  |
|      |  |  | undated   |              |  |  |  |  |  |  |
|      | Range selection  | Select time range with shift-left-click, shift-left-drag or left-drag  | Zoom window is dragged, won't go  | Manual Pa    |  |  |  |  |  |  |
| 3.3  | Drag zoom window   | Drag the zoom window left/right with ctrl-left-drag or middle-drag   | g beyond full range<br>Zoom window is centered on click, won't  | Manual Pa    |  |  |  |  |  |  |
| 3.4  | Move zoom window   | Move the zoom window with ctrl-left-click or middle-click  | go beyond full range  | Manual Pa    |  |  |  |  |  |  |
|      |  |  | Zoom window is set, Window Span is<br>updated, won't go beyond histogram  |              |  |  |  |  |  |  |
| 3.5  | Set zoom window  | Set a new zoom window with right-drag  | range Zoom window is undated Window Soon  | Manual Pa    |  |  |  |  |  |  |
| 2.0  | Zoom in/out  |  | is updated, won't go below 2 ns, won't<br>exceed full trace range   | Manual Pa    |  |  |  |  |  |  |
| 3.6  | Zoom in/out  | Zoom in/out with mouse wheel up/down   | Selection (blue bar) moves to the   | wanuai Pa    |  |  |  |  |  |  |
| 3.7  | Arrow keys   | Move the current event using left/right arrow keys   | previous/next non-empty bucket. A<br>bucket is one pixel width on the view  | Manual Pa    |  |  |  |  |  |  |
|      |  |  | bucket is one pixel width on the view<br>Selection Start/End moves to<br>beginning/end of trace (i.e. start time of |              |  |  |  |  |  |  |
| 3.8  | Home/End keys  | Press Home/End key   | last bucket is selected)  | Manual Pa    |  |  |  |  |  |  |
|      |  | Press Home/End key With a trace containing lost events, click the "Hide lost events" toolbar icon. Click it again.   | The lost events (red bars) are toggled  |              |  |  |  |  |  |  |
| 3.9  | Lost events  | Use "Helio lost" in traces   | on and off  | Manual Pa    |  |  |  |  |  |  |
| 2 40 | Zoom in/out (key)  | Zoom in/out with +/- key   | Zoom window is updated, Window Span is updated, won't go below 2 ns, won't  | Manual Pa    |  |  |  |  |  |  |
|      |  | Reminder: + is shift =   | exceed full trace range   | wanuál Pa    |  |  |  |  |  |  |
| 4    | Time Range Histogram   |  | Selection Start/End + blue bars are   |              |  |  |  |  |  |  |
| 4.1  | Single selection   | Select timestamp with left-click   | updated<br>Selection Start/End + blue bars are  | Manual Pa    |  |  |  |  |  |  |
| 4.2  | Range selection  | Select time range with shift-left-click, shift-left-drag or left-drag  |   | Manual Pa    |  |  |  |  |  |  |
| 4.3  | Drag zoom window   | Drag the zoom window left/right with ctrl-left-drag or middle-drag   | Zoom window is dragged, won't go<br>g beyond full range   | Manual Pa    |  |  |  |  |  |  |
|      |  |  |   |              |  |  |  |  |  |  |
| 4.4  | Zoom in/out  | Zoom in/out with mouse wheel up/down   | is updated, won't go below 2 ns, won't<br>exceed full trace range   | Manual Pa    |  |  |  |  |  |  |
|      |  |  | previous/next non-empty bucket, won't   |              |  |  |  |  |  |  |
| 4.5  | Arrow keys   | Move the current event using left/right arrow keys   | eveced the zoom window  | Manual Pa    |  |  |  |  |  |  |
| 4.0  | Home/End keys  | Press Home/End key   | Selection Start/End moves to<br>beginning/end of time range (i.e. start<br>time of last bucket is selected)         | Manual       |  |  |  |  |  |  |
|      | ·  | Press Home/End key With a trace containing lost events, click the "Hide lost events" toolbar icon. Click it again.   | time of last bucket is selected)  The lost events (red bars) are toggled on and off.                                | Manual Pa    |  |  |  |  |  |  |
| 4.7  | Lost events  |  | Zoom window is undated. Window Soan   | Manual Pa    |  |  |  |  |  |  |
| 3 10 | Zoom in/out (kev)  | Zoom in/out with +/- key<br>Reminder, + is shift =   | is updated, won't go below 2 ns, won't<br>exceed full trace range   | Manual Pa    |  |  |  |  |  |  |
|      |  |  | co ion acco range   | manual Pa    |  |  |  |  |  |  |
| 5.1  | Selection Start/End<br>Set selection start                                   | Enter a TS within the full range in Selection Start widget   | Selection Start + blue bars are updated   | Manual Pa    |  |  |  |  |  |  |
| 5.2  | Set selection end  | Enter a TS within the full range in Selection End widget   | Selection End + blue bars are updated   | Manual Pa    |  |  |  |  |  |  |
| 5.3  | Set selection (linked)   | Select the link icon. Enter a TS within the full range in Selection<br>Start widget  | Selection Start/End + blue bars are<br>updated  | Manual Pa    |  |  |  |  |  |  |
|      | Set invalid selection start  | Enter a TS before the full range start in Selection Start widget   | Selection Start + blue bar set to first<br>event  | Manual Pa    |  |  |  |  |  |  |
|      | Set invalid selection end  |  | Selection End + blue bar set to last<br>event   | Manual Pa    |  |  |  |  |  |  |
|      |  | Enter a TS after the full range end in Selection End widget  | event   | wanuál Pa    |  |  |  |  |  |  |
|      | Window Span  |  | Both Histograms are updated   | -            |  |  |  |  |  |  |
| 6.1  | Set window span  | Enter a span in Window Span widget   | accordingly   | Manual Pa    |  |  |  |  |  |  |
|      | Set large window span  | Enter an invalid span (too large) in Window Span widget<br>Enter an invalid span (too small, negative, not a number) in                                      | Span set to full range  | Manual Pa    |  |  |  |  |  |  |
| 6.3  | Set invalid window span  | Window Span widget   | Span set to previous value  | Manual Pa    |  |  |  |  |  |  |
|      | Selected Timestamp   |  |   |              |  |  |  |  |  |  |
| 7    | Selected Timestamp<br>Synchronization<br>Time Range mouse<br>synchronization | Click on the time range histogram. The time of the bucket at the   | Other views are synchronized to the   |              |  |  |  |  |  |  |
|      |  | mouse position is selected   | selected time   | Manual Pa    |  |  |  |  |  |  |
| 7.2  | Full Trace mouse synchronization   | Click on the full trace histogram. The time of the bucket at the mouse position is selected.  Select the link icon in the menu. Enter a time within the full | Other views are synchronized to the<br>selected time Other views are synchronized to the                            | Manual Pa    |  |  |  |  |  |  |
| 7.3  | Selection synchronization (linked)   | range in Selection Start widget  | selected time   | Manual Pa    |  |  |  |  |  |  |
|      |  | In any other view that supports time synchronization, select a   | Selection Start/End + blue bars in both<br>histograms are updated to the selected                                   |              |  |  |  |  |  |  |
| 7.4  | External synchronization   | time.  | time  | Manual Pa    |  |  |  |  |  |  |
|      | Selected Time Range  |  |   |              |  |  |  |  |  |  |
| 8    | Synchronization  |  | Verify that the selected time room  |              |  |  |  |  |  |  |
|      | Time Range mouse   | Select a time range in the small histogram (shift-left click, left-  | Verify that the selected time range shows in both histograms, and in other  | Manus'       |  |  |  |  |  |  |
| 8.1  | synchronization  | drag or shift-left drag).  | Verify that the selected time range   | Manual Pa    |  |  |  |  |  |  |
| 8.2  | Full Trace mouse synchronization   | Select a time range in the full histogram (shift-left click, left-drag shift-left drag).   | , shows in both histograms, and in other  | Manual Pa    |  |  |  |  |  |  |
|      | Selection Start/End  | Enter a time within the full range in Selection Start/End widget   | Other views are synchronized to the   | Manual Pa    |  |  |  |  |  |  |
| 6.3  | synchronization  |  | selected time range<br>Selection Start/End + blue bars in both  | wanuál Pa    |  |  |  |  |  |  |
| 8.4  | External synchronization   | select a time range.  It can be larger than the time range   | histograms are updated to the selected<br>time range  | Manual Pa    |  |  |  |  |  |  |
|      |  |  |   |              |  |  |  |  |  |  |
| 9    | Zoom Window synchronization  |  |   |              | Range doesn't change but zoom does, for these 4 tests below. |  |  |  |  |  |
|      | Time Range mouse<br>synchronization  | Select a zoom window in the small histogram (ctrl-left drag,<br>middle-drag, right-drag, mouse wheel up/down).   | Other views are synchronized to the<br>new range  | Manual Pa    |  |  |  |  |  |  |
|      |  | Select a zoom window in the full histogram (ctrl-left drag.  | Other views are synchronized to the   |              |  |  |  |  |  |  |
|      | Full Trace mouse synchronization   | middle-click, middle-drag, right-drag, mouse wheel up/down).   | new range<br>Other views are synchronized to the  | Manual Pa    |  |  |  |  |  |  |
|      | Window Span synchronization  | Enter a new span in Window Span widget In any other view that supports range synchronization, select a   |   | Manual Pa    |  |  |  |  |  |  |
| 9.4  | External synchronization   | In any other view that supports range synchronization, select a new zoom window.   | Window Span and both histograms are<br>updated to the new range   | Manual Pa    |  |  |  |  |  |  |
|      |  |  |   |              |  |  |  |  |  |  |
|      |  |  |   |              |  |  |  |  |  |  |

| 10   | Multiple Trace Synchronization              |  |   |        |           |              |  |                  |   |                     |                |                  |                                  |                          |                      |                        |                         |                      |                        |                     |            |
|------|---|--|---|--------|-----------|--------------|--|------------------|---|---------------------|----------------|------------------|----------------------------------|--------------------------|----------------------|------------------------|-------------------------|----------------------|------------------------|---------------------|------------|
|      | Preparation                                 | 1) Download traces.zip (if necessary) and unzip into a local directory {{local}} 2) Import kernel trace {{local}}/traces/import/kernel-overlaptesting} 3) Import UST {{local}}/traces/import/trace ust-overlaptesting} 4) Create experiment with traces of 2) and 3) in it |   | Manual |           |              | e tests of section<br>Creating an expe |                  | e correctly:<br>o trace 2 and 3 and then opened | races under the exp | eriment and se | lected a time ra | ange for each trace. Result: eve | ry trace conserved the t | ime range selected a | nd there is no overlap | o. Then right olicked o | n the events table a | and selected Follow ti | me updates from oth | her traces |
| 10.1 | Open multiple traces (no overlap)           | Open multiple traces that don't overlap in time  | View shows the last opened trace  | Manual | Pass Pass |              |  |                  |   |                     |                |                  |                                  |                          |                      |                        |                         |                      |                        |                     |            |
|      | Change selected time and range (no overlap) |  | Selection Start/End, Window Span and<br>both histograms are updated to selected<br>time and new range.  | Manual | 4 Pass    | Sehr: Should | in't I need to click                   | k follow time up | odates from other traces?                       |                     |                |                  |                                  |                          |                      |                        |                         |                      |                        |                     |            |
| 10.3 | Open multiple traces (overlap)              | <ul> <li>Open multiple traces that overlap in time</li> <li>For both traces, in Events table right mouse-click -&gt; Follow time updates from other traces</li> </ul>  | View shows the last opened trace  | Manual | 4 Pass    |              |  |                  |   |                     |                |                  |                                  |                          |                      |                        |                         |                      |                        |                     |            |
| 10.4 | Change selected time and range (overlap)    | Select a time and new range  | Selection Start/End, Window Span and<br>both histograms are updated to selected<br>time and new range.  | Manual | 4 Pass    |              |  |                  |   |                     |                |                  |                                  |                          |                      |                        |                         |                      |                        |                     |            |
| 10.5 | Select other trace (overlap)                |  | View is updated to show selected trace.<br>Selection Start/End, Window Span and<br>both histograms are set to the newly<br>selected time and range.                           | Manual | 4 Pass    |              |  |                  |   |                     |                |                  |                                  |                          |                      |                        |                         |                      |                        |                     |            |
| 10.6 | Trace coloring                              | With an experiment containing multiple traces opened, click the<br>"Activate trace coloring" toolbar icon. Click it again.   | The colors in both Histograms are<br>toggled on and off. When it is toggled<br>off, the legend disappears at the bottom<br>and only one color is used for non-lost<br>events. | Manual | Paca      |              |  |                  |   |                     |                |                  |                                  |                          |                      |                        |                         |                      |                        |                     |            |
|      |   | Close all trace editor tabs  | View is cleared.  | SWTBot |           |              |  |                  |   |                     |                |                  |                                  |                          |                      |                        |                         |                      |                        |                     |            |
| .0.7 | Ciose all traces                            | Ciose all trace editor tabs  | view is cleared.  | SWIDU  | X C000    |              |  |                  |   |                     |                |                  |                                  |                          |                      |                        |                         |                      |                        |                     |            |

|         | Section                     | Pass  | Fail         | Automated | To Do | Comments |
|---------|-----------------------------|---|--------------|-----------|-------|----------|
|         | TMF - Colors View           | 6   | 0            | 6         | 0     | 0        |
| Target: | Unspecified                 |   |              |           |       |          |
| Step    | Test Case                   | Action  | Verification | Туре      |       | Comment  |
|         |                             |   |              |           |       |          |
| 1       | Open a test trace           | A trace is visible in the events editor   | SWTBot       | SWTBot    | Pass  |          |
| 2       | Open the colors view        | The view is visible   | SWTBot       | SWTBot    | Pass  |          |
| 3       | Select a color and a filter | Select a color and a filter, the matching events should update their colors (background and foreground) to the new ones | SWTBot       | SWTBot    | Pass  |          |
| 4       | Add multiple colors         | Click on add 4 times, four colors should be displayed   | SWTBot       | SWTBot    | Pass  |          |
| 5       | Change the color priorities | By clicking on up and down, the order of the displayed colors should change   | SWTBot       | SWTBot    | Pass  |          |
| 6       | Delete all the colors       | The color filters should disappear.   | SWTBot       | SWTBot    | Pass  |          |

|         | Section                                     | Pass  | Fail  | Automated | To Do | Comments  |  |
|---------|---|---|---|-----------|-------|---|--|
|         | TMF - Sequence Diagram                      | 35  | 1   | 22        | 0     | 2   |  |
| Target: | Ubuntu 20.04.5 LTS 64-bit                   |   |   |           |       |   |  |
|         |   |   |   |           |       |   |  |
| Step    | Test Case                                   | Action  | Verification  | Type      |       | Comment   |  |
|         |   |   |   |           |       |   |  |
| 7       | Preparation                                 | 1) Download traces.zip (if necessary) and unzip   |   |           |       |   |  |
|         |   | into a local directory \${local}  |   |           |       |   |  |
|         |   | 2 )Use traces simple-server-thread1 and simple-   |   |           |       |   |  |
|         |   | server-thread2 under traces/import/ for test cases below  |   |           |       | Note: UI tests are not SWTBot, but JUnit tests. Tests are triggered |  |
|         |   | below   | LTTng Kernel perspective opens with correct views:  |           |       | programmatically right below the dialogs level                      |  |
|         |   |   | Project Explorer, Control, Control Flow, Resources,   |           |       |   |  |
| 1.1     | Open perspective                            | Open and reset LTTng Kernel perspective   | Statistics, Histogram, Properties, Bookmarks  | SWTBot    | Pass  |   |  |
| 1.2     | Open TMF Sequence<br>Diagram View           | Use menu Window → Show View → Other → Tracing → Sequence Diagram  | Verify that 'Sequence Diagram' view is shown  | SWTBot    | Pass  |   |  |
| 1.2     | Diagram view                                | Tracing → Sequence Diagram     Create Tracing Project   | verily that Sequence Diagram view is snown  | SWIBOL    | Pass  |   |  |
|         |   | 2) Create Experiment (SeqExp)   | Verify that sequence diagram was loaded. The  |           |       |   |  |
|         |   | 3) Import 2 traces simple-server-thread1 and simple-  | interaction show the signal numbers (Note that trace  |           |       |   |  |
|         | Create and open experiment                  | server-thread2 4) Add these 2 traces to experiment  | doesn't contain strings for the interactions. A special parser would be necessary to map signal number to         |           |       |   |  |
| 1.3     |   | 6) Open (double-click on) the experiment  | trace)  | Manual    | Pass  |   |  |
|         |   |   |   |           |       |   |  |
| 2       | Manage View                                 |   |   |           |       |   |  |
| 2.1     | Close view                                  | Close Sequence Diagram view   | Sequence Diagram View is removed from perspective   | Manual    | Pass  |   |  |
|         | Open view when experiment/traces is already | Close 'Sequence Diagram' View     load sequence diagram experiment  | Verify that sequence diagram was loaded. Verify that all 17 pages are loaded. The hamburger menu should           |           |       |   |  |
| 2.2     | loaded                                      | 3) Open Sequence Diagram view   | help.   | Manual    | Pass  |   |  |
|         |   | i i i i i i i i i i i i i i i i i i i   |   |           |       |   |  |
| 3       | Tooltip                                     |   |   |           |       |   |  |
|         |   | 1) Goto to first page (no selection of any interaction or lifeline) 2) Hover over first interaction (arrow or | Verify that tooltip appears with content with interaction name and time stamp (10000 14:58:00.740995147).         |           |       |   |  |
| 3.1     | Hover over interaction                      | number)   | Tooltip is following the OS theme.  | UITest    | Pass  |   |  |
|         |   | , ,   | Verify that tooltip appears with content with interaction   |           |       |   |  |
|         |   | 1) Goto to first page   | names and time stamp delta between selected   |           |       |   |  |
| 0.0     | Hover over interaction after                | 2) select first interaction   | interaction and interaction that was hovered over   | 1.074     | Deve  |   |  |
| 3.2     | selection                                   | 3) Hover over 3rd interaction   | (10001 → 10000 delta: 000.000 157 023)  | UITest    | Pass  |   |  |
|         | Hover over time compression                 | Hover over first element in time compression bar on   | Verify that tooltip appears with delta and graph to show where delta is in relation to current configured min max |           |       |   |  |
| 3.3     | bar   | the left of the view  | values. (delta: 000.000 3 480)  | UITest    | Pass  |   |  |
|         |   |   |   |           |       |   |  |
| 4       | View Synchronization                        |   |   |           |       |   |  |
|         |   |   | Verify that interaction is highlighted in 'Sequence   |           |       |   |  |
|         |   |   | Diagram' view. Verify that in the events table the corresponding event is selected. Verify that time              |           |       |   |  |
| 4.1     | Selection of interaction                    | Select an interaction in the 'Sequence Diagram'   | stamps matches  | UITest    | Pass  |   |  |
|         | Selection of event in events                | Select an sequence diagram event in the events table  | ·   |           |       |   |  |
| 4.2     | table                                       | (type SEND or RECEIVE)  | 'Sequence Diagram' view   | UITest    | Pass  |   |  |
|         |   |   | Verify that the content of the 'Sequence diagram' changes and the interactions are part of the new                |           |       |   |  |
| 4.3     | Selection of new time range                 | Change time range in 'Histogram View'.  | window range  | UITest    | Pass  |   |  |
|         |   |   | Ŭ   |           |       |   |  |
| 5       | View Actions                                |   |   |           |       |   |  |
|         |   |   | Verify that different time ranges are selected when changing page by looking at Histogram View.                   |           |       |   |  |
|         |   | Use buttons and menu items 'Go to next page', 'Go to  | Histogram View window will show the start of the page.  |           |       |   |  |
|         |   | previous page', 'Go to last page' and 'Go to first page'  | Note that there are 10000 interactions per page. In this  |           |       |   |  |
| E 1     | Tost page pavianties                        | to navigate through trace. Use also menu item   | traces there are in total 160032 interactions. Verify that last page has 32 interactions between 2 lifelines.     | SWTBot    | Pass  |   |  |
| 5.1     | Test page navigation                        | 'Pages' to jump to specific page  | , 0   | SWIBU     | Pass  |   |  |
|         |   |   | Verify that a dialog box will show. Verify that for this trace it shows 'Total: 17 pages is shown" and the        |           |       |   |  |
|         |   | 1) Select menu item 'Pages'   | current page is displayed in the text box. After step 3)  |           |       |   |  |
|         |   | 2) In text box type "9"   | verify that page where changed to page 9. For this  |           |       |   |  |
| 5.2     | Test menu item 'Pages'                      | 3) Click on 'OK'  | trace page 9 is the page with 3 lifelines.  | SWTBot    | Pass  |   |  |

| 5.3  | Find of interaction         | Goto to page 1 → 1) Use button and menu item "Find" 2) select Interactions and deselect lifeline 3) type regular expression 10.*00 4) press find 5) press find 6) press find 7) press find 8) press find | After 4) verify that interaction 10000 (player1 → master) is selected. After 5) verify that interaction 10100 (master → player1) is selected. After 6) verify that 10000 (player2 → master) is selected. After 7) verify that interaction 10100 (master → player2). After 8 nothing else will be found | SWTBot | Pass |  |  |
|------|-----------------------------|--|--|--------|------|--|--|
| 5.4  | Find of lifeline            | Goto to page 1 →  1) Use button and menu item "Find"  2) select lifeline and deselect interaction  3) type player2  4) press find  5) press find   | After 4) verify that lifeline with name player2 is selected (page 9 with 3 lifelines). After 5) player2 is selected on page 10   | SWTBot | Pass |  |  |
| 5.5  | Find criteria persistence   | Restart eclipse     popen find dialog  | Verify that previous used find criteria are still in the list.   | Manual | Pass |  |  |
| 5.6  | Find short-cut              | Select 'Sequence Diagram' view     press CTRL+f  | Verify that find dialog opens  | Manual | Fail | https://bugs.eclipse.org/bugs/show_bug.cgi?id=581104<br>Sehr: This bug is still relevant |  |
| 5.7  | Filter of interactions      | Goto to page 1 → 1) Use menu item 'Hide Patterns' 2) Press Add 3.1) select Interactions and deselect Lifeline 3.2) type regular expression 10.*03 4) Press 'Create' 5) Press 'Ok'                        | After 5) verify that Interactions with name 10003 and 10103 are not shown  | SWTBot | Pass | • • • • • • • • • • • • • • • • • • •  |  |
| 5.8  | Filter of lifelines         | Goto to page 9 → 1) Use menu item 'Hide Patterns' 2) Press Add 3.1) select Lifelines and deselect Interactions 3.2) type regular player2 4) Press 'Create' 5) Press 'Ok'                                 | After 5) verify that player2 is not shown  | SWTBot | Pass |  |  |
| 5.9  | Deselect filter             | 1) Apply one filter 2) Use menu item 'Hide Patterns' 3) deselect filter 4) click 'Ot'  | Verify that all lifelines and interactions are shown   | SWTBot | Pass |  |  |
| 5.10 | Filter criteria persistence | Restart eclipse     pen hide dialog  | Verify that previous used hide criteria are still in the list  | SWTBot | Pass |  |  |
|      | Zoom-in                     | 1) Use button and menu item for zoom-in to activate zooming in 2) click into sequence diagram view   | Verify that 'Sequence Diagram' view zooms in. Note that no selection is possible.  | SWTBot | Pass |  |  |
| 5.12 | Selection after zooming     | Click on button and menu item 'Select' to go back to selection mode     select an interaction  | Verify that selection is possible.   | SWTBot | Pass |  |  |
| 5.13 | Zoom-out                    | Use button and menu item for zoom-out to activate zooming out     Click into sequence diagram view   | Verify that 'Sequence Diagram' view zoom out. Note that no selection is possible.  | SWTBot | Pass |  |  |
| 5.14 | Reset zoom                  | 1) Use button and menu item for 'Reset zoom factor' to reset the zoom level  | Verify that 'Sequence Diagram' view goes back to default zoom  | SWTBot | Pass |  |  |
| 5.15 | Configure min/max           | Select menu item 'Configure Min Max'     Change min to 100 and max to 2000 (keep scale and precision)     press 'Ok'   | After 1) verify that a dialog box shows with default values. After 3) verify that time compression bar changes some colors. It will show more deeper red because the max value is lower.   | SWTBot | Pass |  |  |
|      | Configure min/max (default) | After changing min and max 1) select menu 'Configure Min Max' 2) press 'Default' 3) press 'Ok'   | After step 2) the default values are shown. After step 3) the time compression bar will change colors. Note that the default values are computed based on all deltas of 2 consecutive interactions.  | SWTBot | Pass |  |  |
| 5.17 | Show node end               | Goto to page 1 →  1) Resize view so that the arrow (pointer) of the interaction is not shown  2) select on interaction  3) Use menu item Navigation → Show node end                                      | Verify that end lifeline of the interaction (the arrow) is shown if it fits the screen   | Manual | Pass |  |  |

|       |                            | Goto to page 1 →   |  |           |       |  |
|-------|----------------------------|--|--|-----------|-------|--|
|       |                            | 1) Resize view so that the beginning of the interactions   |  |           |       |  |
|       |                            | are not shown  |  |           |       |  |
|       |                            | 2) select on interaction   |  |           |       |  |
| 5.18  | Show node start            | <ol> <li>Use menu item Navigation → Show node start</li> </ol>   | Verify that start lifeline of the interaction is shown     | Manual    | Pass  |  |
|       |                            | Goto to page 1 →   |  |           |       |  |
|       |                            | 1) Resize view so that the arrow of the interaction is   |  |           |       |  |
|       |                            | not shown  |  |           |       |  |
|       |                            | 2) select on interaction   | Verify that end lifeline of the interaction (the arrow) is |           |       |  |
| 5.19  | Show node end short-cut    | 3) Press SHIFT+ALT+END   | shown  | Manual    | Pass  |  |
|       |                            | Coto to mane 4   |  |           |       |  |
|       |                            | Goto to page 1 →  1) Resize view so that the arrow of the interaction is   |  |           |       |  |
|       |                            | not shown  |  |           |       |  |
|       |                            | 2) select on interaction   |  |           |       |  |
| 5.20  | Show node start short-cut  | 3) Press SHIFT+ALT+HOME  | Verify that start lifeline of the interaction is shown     | Manual    | Pass  |  |
| 3.20  | Show hode start short-cut  | 3) FIESS SHILL TALLTHOWIL  | *  | iviariuai | газэ  |  |
| = 0.4 |                            | D. CHIET, M.T. ADDOM, DOMAN  | Verify that within a page the display scrolls down per     |           |       |  |
| 5.21  | Scroll down short cut      | Press SHIFT+ALT+ARROW_DOWN   | view size  | Manual    | Pass  |  |
| F 00  | 0                          | D OLUET, ALT. ADDOM: UD  | Verify that within a page the display scrolls up per view  |           | B     |  |
| 5.22  | Scroll up short cut        | Press SHIFT+ALT+ARROW_UP   | size   | Manual    | Pass  |  |
|       |                            | Cata name 0. Kana anno ing 1 inan at the lawart  | Verify that it's possible to navigate through a page of    |           |       |  |
| F 00  | O complete factors         | Goto page 9 → Keep pressing + icon at the lowest   | the sequence diagram view                                  | Manual    | Dane  | OTIVO II O   |
| 5.23  | Overview feature           | right corner of the view and drag down, up, left or right<br>Select 'Sequence Diagram' view and press printer icon |  | Manual    | Pass  | GTK 3 problem ?  |
|       |                            | in the Eclipse's tool bar (or use CTRL+P). Select one  |  |           |       |  |
| 5.24  | Print                      |  | Verify that it is possible to print                        | Manual    | N/A   | D 4004 14040 1171 1 15 0   |
| 5.24  | Print                      | pager page to print  1) Create 1 filter ("Hide Patterns") if necessary (see  | verily that it is possible to print                        | Manuai    | IN/A  | Pass on 16.04 and 16.10 could it be cups giving you a hard time? |
|       |                            | 5.8)   |  |           |       |  |
|       |                            | 2) Open Error Log view if necessary  |  |           |       |  |
|       |                            | Open filter dialog box and remove all filters  |  |           |       |  |
|       |                            | 4) Press 'Ok'  | Verify that no exceptions occurred and after 5) no         |           |       |  |
| 5.25  | Remove filter (Bug 391714) | 5) Open filter dialog box again  | filters are listed   | Manual    | Pass  |  |
| 5.25  | Temove liner (bug 5317 14) | Open trace without any sequence diagram  | Intero di e nototi   | iviailual | 1 033 |  |
|       |                            | information  |  |           |       |  |
|       |                            | 2) Open SD view if necessary   |  |           |       |  |
|       |                            | 3) Open Error Log view if necessary  |  |           |       |  |
|       |                            | 4) change time range in Histogram view   |  |           |       |  |
|       | Time Sync. without         | 5) Change time current selected time in Histogram  |  |           |       |  |
| 5.27  | interactions (Bug 391716)  | View   | Make sure that no exceptions occurred                      | Manual    | Pass  |  |
| 0.21  |                            |  | mano care mai no exceptione occurred                       | ·viariaal | 1 400 |  |

|        | Section   | Pass  | Fail   | Automated | To Do | Comments    |
|--------|---|---|--|-----------|-------|-------------|
|        | TMF - Statistics View                             | 17  | 0  | 7         | 0     | 0           |
| arget: | Windows   |   |  |           |       |             |
| _      |   |   |  |           |       |             |
| Step   | Test Case   | Action  | Verification   | Type      |       | Comment     |
|        |   |   |  | •         |       |             |
| 1      | Preparation                                       |   |  |           |       |             |
|        |   | Download traces simple-server-thread1 and simple-server-  |  |           |       |             |
|        | Preparation                                       | thread1 from traces/import/   |  |           |       |             |
| 1.1    | Open Perspective                                  | Open and reset LTTng Kernel perspective   | LTTng Kernel perspective   | SWTBot    | Pass  |             |
|        |   | When running the Trace Compass RCP: Use menu Window → Show View → Tracing → Statistics  When running Trace Compass installed in Eclipse:  | Varifi, the A 104-tier in the variety  |           |       |             |
| 1.2    | Open TMF Statistics View                          | Use menu Window $\rightarrow$ Show View $\rightarrow$ Other $\rightarrow$ Tracing $\rightarrow$ Statistics  | Verify that 'Statistics' view is shown   | SWTBot    | Pass  |             |
|        |   | 1) Create Tracing Project 2) Create Experiment (SeqExp) 3) Import 2 traces simple-server-thread1 and simple-server-thread2 4) Select trace type "Generic CTF Trace" 5) Add these 2 traces to experiment | Verify that statistics are shown per trace and per event type. Each trace has 80021 events. Verify that event types ENTER/RETURN/SEND/RECE IVE/INFO/after fork child are |           |       |             |
| 1.3    | Open experiment                                   | -,··  | counted.   | RCPTT     | Pass  |             |
|        |   |   |  |           |       |             |
| 2      | Manage View                                       |   |  |           |       |             |
| 2.1    | Delete view                                       | Close the 'Statistics' View   | Statistics' view is removed from   | RCPTT     | Pass  |             |
| 2.2    | Open view   | Use menu Window → Show View → Tracing → Statistics  | Statistics' view View is displayed and re-populated  | RCPTT     | Pass  |             |
| 2.3    | Open view when experiment/trace is already loaded | Close 'Statistics View' 2) load trace above trace 3) Open 'Statistics' view   | Verify that statistics are shown per trace and per event type. Each trace has 80021 events.  | RCPTT     | Pass  |             |
| •      | 20  |   |  |           |       |             |
| 3      | Other   |   | Verify that 'Statistics' view is populated gradually during  |           |       |             |
| 3.1    | Build of statistic index                          | Open trace  | indexation   | Manual    | Pass  |             |
| 3.2    | Persistence of statistics                         | Open same trace multiple times after indexing of trace was finished the first time  | Verify that when opening the trace the x-times (x > 1), that the statistics appear right away  | Manual    | Pass  |             |
| 4      | Range Synchronization                             |   |  |           |       |             |
| 4      | range Synchionization                             |   |  |           |       |             |
| 4.1    | External synchronization (full)                   | In any other view that supports range synchronization, select the full range of the trace.  | Events in 'Events in selection' is updated and equals 'Events total' values  | Manual    | Pass  | Auto<br>Car |
|        | External synchronization                          | In any other view that supports range synchronization, select a   | Events in 'Events in selection' is updated according to new  |           |       | Aut         |

| 5   | Multiple Trace<br>Synchronization           |  |  |        |      |                    |
|-----|---|--|--|--------|------|--------------------|
|     | Preparation                                 | 1) Download traces.zip (if necessary) and unzip into a local directory \${local} 2) Import kernel trace \${local}/traces/import/kernel-overlaptesting 3) Import UST \${local}/traces/import/trace ust-overlaptesting 4) Create experiment with trace of 2) in it |  |        |      |                    |
| 5.1 | Open multiple traces (no overlap)           | Open multiple traces that don't overlap in time  | View shows the last opened trace   | Manual | Pass | omation<br>ndidate |
| 5.2 | Change selected time and range (no overlap) | In any other view that supports range synchronization, select a new range  | Events in 'Events in selection' is updated according to new                              | Manual | Pass | omation<br>ndidate |
| 5.3 | Select other trace (no overlap)             | Select different trace by clicking its Events editor tab   | View is updated to show<br>selected trace. 'Events in<br>selection' is updated according | Manual | Pass | omation<br>ndidate |
| 5.4 | Open multiple traces (overlap)              | - Open multiple traces that overlap in time<br>- For both traces, in Events table right mouse-click -> "Follow<br>time updates from other traces"  | View shows the last opened trace   | Manual | Pass | omation<br>ndidate |
| 5.5 | Change selected time and range (overlap)    | In any other view that supports range synchronization, select a new range  | Events in selection' is updated according to new range                                   | Manual | Pass | omation<br>ndidate |
| 5.7 | Select other trace (overlap)                | Select different trace by clicking its Events editor tab   | View is updated to show selected trace. 'Events in                                       | Manual | Pass | omation<br>ndidate |
| 5.8 | Close all traces                            | Close all Events editor tabs   | View is cleared.   | SWTBot | Pass |                    |

|         | Section                                | Pass   | Fail   | Automated | To Do | Comments                |                         |
|---------|--|--|--|-----------|-------|-------------------------|-------------------------|
|         | TMF - Time Chart View                  | 26   | 0  | 1         | 0     | 1                       |                         |
| Target: | Windows                                |  |  |           |       |                         |                         |
| Step    | Test Case                              | Action   | Verification   | Туре      |       | Comment                 |                         |
|         |  |  |  |           |       |                         |                         |
| 1       | Preparation                            |  | 1 TT 1/2 1   |           |       |                         |                         |
| 1.1     | Preparation step 1                     | Open and reset LTTng Kernel perspective                            | LTTng Kernel perspective opens with correct views.   | SWTBot    | Pass  | Candidate for incubator | Automation              |
| 1.2     | Preparation step 2                     | Show Time Chart View   | Time Chart view is shown   | Manual    | Pass  |                         | Candidate               |
| 2       | Trace handling                         |  |  |           |       |                         |                         |
| 2.1     | Open trace                             | Open an LTTng CTF Kernel trace #1                                  | Trace #1 entry added to Time Chart view. Trace #1 is the active trace. Range of view is full trace range.              | Manual    | Pass  |                         | Automation<br>Candidate |
| 2.1     | Open trace                             | Open an Er my off Remer trace #1                                   | Trace #2 entry added to Time Chart view. Trace #2 is the active trace. Range of view is union of full trace            | Mariuai   | 1 833 |                         | Automation              |
| 2.2     | Open other trace                       | Open an LTTng CTF Kernel trace #2                                  | ranges. Dates may be hard to read  | Manual    | Pass  |                         | Candidate               |
| 0.0     |  |  | Experiment entry added to Time<br>Chart view. Experiment is selected<br>entry. Range of view is union of full          | Manuel    | Deve  |                         | Automation              |
| 2.3     | Open experiment                        | Open an experiment   | trace ranges. Trace #1 is selected entry. View range does not change. Trace #1   | Manual    | Pass  |                         | Candidate               |
| 2.4     | Select other trace                     | Select trace #1 by clicking its trace entry in Time Chart view     | editor tab is brought to top.  Trace #2 is selected entry. View  | Manual    | Pass  |                         | Automation<br>Candidate |
| 2.5     | Select other trace (external)          | Select trace #2 by clicking its editor tab                         | range does not change.Color may be subtle  | Manual    | Pass  |                         | Automation<br>Candidate |
| 2.6     | Close view                             | Close the Time Chart view  | Time Chart view is removed from tracing view   | Manual    | Pass  |                         | Automation<br>Candidate |
| 2.7     | Open view                              | Show Time Chart view   | Time Chart view is displayed and repopulated with opened traces data   | Manual    | Pass  |                         | Automation<br>Candidate |
| 2.8     | Close trace/experiment                 | Close trace #2 editor tab. Repeat with experiment editor tab.      | Trace entry is removed from Time<br>Chart view. Range viewed is union<br>of remaining full trace ranges.               | Manual    | Pass  |                         | Automation<br>Candidate |
|         |  | · · · · · · · · · · · · · · · · · · ·                              |  |           |       |                         | Automation              |
| 2.9     | Close last trace                       | Close trace #1 editor tab  | View is cleared.   | Manual    | Pass  |                         | Candidate               |
| 3       | Time Synchronization                   |  |  |           |       |                         |                         |
|         |  |  | Other views are synchronized to the selected time. Event at or following the selected time is selected in the          |           |       |                         |                         |
| 3.1     | Mouse synchronization (single time)    | Left-click on the time chart. The selected time line is updated.   | event table.   | Manual    | Pass  |                         |                         |
|         |  | Shift-left-click or left-drag on the time chart. The selected time | Other views are synchronized to the selected range. Event at or following the selected time is selected in the         |           |       |                         |                         |
| 3.2     | Mouse synchronization (time range)     | range is updated.  | event table.  Selected time line is updated to the event time. The window range will update if the selection is out of | Manual    | Pass  |                         |                         |
| 3.3     | External synchronization (single time) | In event table, select an event.                                   | ranve.   | Manual    | Pass  |                         |                         |
| 3.4     | External synchronization (time range)  | In event table, select an event range with shift-left-click.       | Selected time line is updated to the time range.   | Manual    | Pass  |                         |                         |
|         |  |  |  |           |       |                         |                         |
| 4       | Zoom Range Synchronization             |  | Other views are supplied in the  |           |       |                         |                         |
| 4.1     | Mouse wheel synchronization            | Zoom in/out with mouse wheel while holding Ctrl.                   | Other views are synchronized to the new range  | Manual    | Pass  |                         |                         |

|                  |  | Drag zoom with 1. right-button, 2. drag to select new zoom                                      | Other views are synchronized to the  |                  |              |  |  |
|------------------|--|---|--|------------------|--------------|--|--|
| 4.2              | Mouse drag zoom synchronization                              | range -on time chart.   | new range  | Manual           | Pass         |  |  |
|                  |  |   | Other views are synchronized to the  |                  |              |  |  |
| 4.3              | Mouse drag move synchronization                              | Drag move with ctrl-left or middle button on time chart.  | new range  | Manual           | Pass         |  |  |
|                  |  |   | Other views are synchronized to the  |                  |              |  |  |
| 4.4              | Mouse full range synchronization                             | Double-click with left button on time chart's time scale.                                       | full range   | Manual           | Pass         |  |  |
|                  |  | In any other view that supports range synchronization, select a                                 | View range is updated to the new   |                  |              |  |  |
| 4.5              | External synchronization                                     | new zoom range.   | range  | Manual           | Pass         |  |  |
|                  |  |   |  |                  |              |  |  |
|                  |  |   |  |                  |              |  |  |
| 5                | Event Table Synchronization                                  |   |  |                  |              |  |  |
| 5                |  |   | Matching events are marked in time   |                  |              |  |  |
| <b>5</b>         | Event Table Synchronization Search synchronization           | Enter a search regex in event table   | Matching events are marked in time chart   | Manual           | Pass         |  |  |
| <b>5</b> 5.1 5.2 |  | Enter a search regex in event table Clear the search regex in event table                       | g .  | Manual<br>Manual | Pass<br>Pass |  |  |
|                  | Search synchronization                                       | •   | chart  |                  |              |  |  |
|                  | Search synchronization                                       | •   | chart Marks are removed in time chart  |                  |              |  |  |
| 5.2              | Search synchronization<br>Search cleared                     | Clear the search regex in event table   | chart Marks are removed in time chart Non-matching events are removed  | Manual           | Pass         |  |  |
| 5.2              | Search synchronization Search cleared Filter synchronization | Clear the search regex in event table  Enter a filter regex in event table from the filter view | chart Marks are removed in time chart Non-matching events are removed from time chart                                    | Manual<br>Manual | Pass<br>Pass |  |  |
| 5.2              | Search synchronization Search cleared Filter synchronization | Clear the search regex in event table  Enter a filter regex in event table from the filter view | chart Marks are removed in time chart Non-matching events are removed from time chart All events are shown in time chart | Manual<br>Manual | Pass<br>Pass |  |  |

|         | Section  | Pass   | Fail   | Automated     | To Do     | Comments           |                         |
|---------|--|--|--|---------------|-----------|--------------------|-------------------------|
|         | TMF - Custom Parsers                                 | 28   | 0  | 12            | 0         | 0                  |                         |
| Target: | Windows  |  |  |               |           |                    |                         |
| Step    | Test Case  | Action   | Verification   | Type          |           | Comment            |                         |
| •       | Duna marinita n                                      |  |  |               |           |                    |                         |
| 0.1     | Prerequisites  Get custom parser definition and logs | In the trace compass git, get the traces located in org.eclipse. tracecompass/tmf/org.eclipse. tracecompass.tmf.core.tests/testfiles/xml get the definitions (testDefinition.xml) and the valid traces in the valid subdirectory.  | traces.zip is located in this folder <a href="https://drive.google.com/drive/folders/1DJ2FSYWi1u8Hl">https://drive.google.com/drive/folders/1DJ2FSYWi1u8Hl</a> | Hfi2HwCtoAOKc | CpZMDr8?u | <u>isp=sharing</u> |                         |
| 1       | View management                                      |  |  |               |           |                    |                         |
| 1.1     | Open perspective                                     | Open and reset Tracing perspective, and open Time Chart view   | Time Chart view opens.   | SWTBot        | Pass      |                    |                         |
| 1.2     | Import custom parser definitions                     | Create a tracing project, open Manage<br>Custom Parsers dialog and import text   | Custom parsers imported (TmfGeneric, Custom XML Log)   | RCPTT         | Pass      |                    |                         |
| 1.3     | Import custom traces                                 | Create a tracing project and import a text and XML custom trace  | Traces imported in Traces folder of project (ExampleCustomTxt.log, ExampleCustomXml.xml) and have their trace type auto-selected.                              | RCPTT         | Pass      |                    |                         |
| 2       | Custom parser management                             |  |  |               |           |                    |                         |
| 2.1     | Open Manage Custom Parsers dialog                    | Open Manage Custom Parsers dialog in Traces folder context menu  | Dialog opens.  | SWTBot        | Pass      |                    |                         |
| 2.2     | New (text)   | Select "Text" radio button, click New<br>button, enter Trace type, change stuff,<br>click Next, click Finish   | Custom parser appears in list.   | SWTBot        | Pass      |                    |                         |
| 2.3     | Edit (text)  | Select custom parser, click Edit, change stuff, click Next, click Finish   | Previously entered data appears, can be edited.  | SWTBot        | Pass      |                    |                         |
| 2.4     | Export (text)  | Select custom parser, click Export, enter name, click Save   | Exported custom parser stored in file system.  | RCPTT         | Pass      |                    |                         |
| 2.5     | Delete (text)  | Select custom parser, click Delete   | Custom parser is deleted.  | SWTBot        | Pass      |                    |                         |
| 2.6     | Import (text)  | Click Import, find custom parser definition, click Open  | Imported custom parser appears in list.  | RCPTT         | Pass      |                    |                         |
| 2.7     | New (XML)  | Select "XML" radio button, click New button, enter Log Type, write an xml log in the input, <a>c&gt;&lt;1</a> <b><c>&lt;1</c><d>1<b><c>&lt;2</c><d>1</d><c>&lt;2</c><d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br>c&gt;<d>1</d><br>c&gt;<d>1</d><br>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c&gt;<d>1</d><br/>c</br></br></br></b></d><br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c1<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c<br/>c1<br/>c<br/>c1<br/>c1<br/>c1<br/>c1<br/>c1<br/>c1<br/>c1<br/>c1<br/>c1<br/>c11<br/>c11<br/>c111&lt;</b> | Custom parser appears in list.   | Manual        | Pass      |                    | Automation<br>Candidate |
| 2.8     | Edit (XML)   | Select custom parser, click Edit, change stuff, click Next, click Finish   |  | Manual        | Pass      |                    | Automation<br>Candidate |
| 2.0     | LGIC (XIVIL)   | Select custom parser, click Export, enter  | cuitou.  | iviailuai     | 1 433     |                    | Automation              |
| 2.9     | Export (XML)   | name, click Save   | Exported custom parser stored in file system.  | Manual        | Pass      |                    | Candidate               |

| 2.10 | Delete (XML)                           | Select custom parser, click Delete   | Custom parser is deleted.  | SWTBot | Pass |                       |
|------|--|--|--|--------|------|-----------------------|
| 2.11 | Import (XML)                           | Click Import, find custom parser definition, click Open  | Imported custom parser appears in list.  | Manual | Pass | utomation<br>andidate |
| 3    | Custom parser trace handling           |  |  |        |      |                       |
| 3.1  | Select trace type (text)               | Select test file in Traces folder, right-click,<br>select "Select Trace Type > Custom Text<br>> (parser name)" | Trace type is assigned (re-open Select Trace Type sub-menu to verify)  | RCPTT  | Pass |                       |
| 3.2  | Open trace (text)                      | Double-click on test file in Traces folder   | Editor opens with events table, Time Chart view is populated.  | Manual | Pass |                       |
| 3.3  | Raw view (text)                        | Right-click in editor, click Show Raw  | Editor is split with raw view on right pane.   | Manual | Pass |                       |
| 3.4  | Time synchronization (text)            | Click in Time Chart view, select event in editor table, select event in raw view                               | All three widgets synchronize to selected time.  | Manual | Pass |                       |
| 3.5  | Select trace type (XML)                | Select test file in Traces folder, right-click,<br>select "Select Trace Type > Custom XML<br>> (parser name)"  | Trace type is assigned (re-open Select Trace Type sub-menu to verify)  | RCPTT  | Pass |                       |
| 3.6  | Open trace (XML)                       | Double-click on test file in Traces folder   | Editor opens with events table, Time Chart view is populated.  | Manual | Pass |                       |
| 3.7  | Raw view (XML)                         | Right-click in editor, click Show Raw  | Editor is split with raw view on right pane.   | Manual | Pass |                       |
| 3.8  | Time synchronization (XML)             | Click in Time Chart view, select event in editor table, select event in raw view                               | All three widgets synchronize to selected time.  | Manual | Pass |                       |
| 4    | Raw viewer                             |  |  |        |      |                       |
| 4.1  | Show Raw Viewer                        | Open Custom text trace     Right-click in table and select "Show Raw"  | Raw viewer is shown beside the events table  | Manual | Pass |                       |
| 4.2  | Hide Table                             | Right-click in table and select "Hide Table"   | Events table is hidden and only raw viewer is shown  | Manual | Pass |                       |
| 4.3  | Show Table                             | Right-click in raw viewer and select "Show Table"  | Events table is shown beside raw viewer  | Manual | Pass |                       |
| 4.4  | Select Event (Bug 457852)              | Select event in raw viewer   | Correct event is select in table, timestamp is propagated to other TMF views and Properties view shows content of selected event | Manual | Pass |                       |
| 4.5  | Select Event using arrow keys (457852) | select event in raw viewer with mouse     use arrow key down and up several times                              | Correct event is select in table, timestamp is propagated to other TMF views and Properties view shows content of selected event | Manual | Pass |                       |
| 4.6  | Hide Raw viewer                        | Right-click in table and select "Hide Raw"   | Raw viewer is hidden and only events table is shown  | Manual | Pass |                       |

|         | Section                                | Pass  | Fail  | Automated |      | Comments |                                  |
|---------|--|---|---|-----------|------|----------|----------------------------------|
|         | TMF - State System Explorer            | 12  | 0   | 6         | 0    | 0        |                                  |
| Target: | Windows                                |   |   |           |      |          |                                  |
| Step    | Test Case                              | Action  | Verification  | Type      |      | Comment  | Test that will make this swtbot  |
| 1       | Preparation                            |   |   |           |      |          |                                  |
| 1.1     | Open TMF State System Explorer View    | Use menu Window → Show View → Tracing → State System Explorer                               | Verify that 'State System Explorer' view is shown   | SWTBot    | Pass |          | 84711                            |
| 2       | Manage View                            |   |   |           |      |          |                                  |
| 2.1     | Delete view                            | Close the State System Explorer' View   | 'State System Explorer' view is removed from perspective  | SWTBot    | Pass |          | 84711                            |
| 2.2     | Open view                              | Use menu Window → Show View → Tracing → State System Explorer                               | 'State System Explorer' view is displayed and repopulated   | SWTBot    | Pass |          | 84711                            |
| 2.3     | Open Trace                             | Open an LTTng Kernel Trace  | Verify that view is populated with kernel state system (o.e.t.analysis.os.linux.kernel) and statistics state systems (o.e.l.tmf.statistics.*) of opened trace | SWTBot    | Pass |          | 84711                            |
| 2.4     | Open view when trace is already loaded | Close State System Explorer View     Load LTTng trace     Open 'State System Explorer' view | Verify that view is populated with state systems from trace   | SWTBot    | Pass |          | 84711                            |
| 2.5     | Open Experiment                        | Open Experiment with 2 or more LTTng traces   | Verify that view is populated with all kernel state<br>system and statistics state systems of opened<br>experiment (separated by trace)                       | RCPTT     | Pass |          |                                  |
| 2.7     | Select other trace                     | Select different trace by clicking its Events editor tab                                    | View is updated to show selected trace. State values, start time and end time are updated according to the selected trace's previously selected range.        | Manual    | Pass |          | Automation Candidate             |
| 2.6     | Restart                                | Restart Eclipse   | Verify that view is populated with state systems from trace   | Manual    | Pass |          |                                  |
| 2.7     | Close all traces                       | Close traces and experiment one by one from the editor tab                                  | Verify that state system explorer view is cleared after closing the last trace  | Manual    | Pass |          | Automation Candidate             |
| 3       | Timestamp / Time Range Selection       |   |   |           |      |          |                                  |
| 2 1     | Select timestamp                       | Select time in another view (e.g Histogram view) that supports time synchronization         | Verify that selection time is updated in view   | Manual    | Pass |          | W                                |
| 3.1     | Select unlestamp                       | Select a time range in another view that  | verify that selection time is updated in view   | iviariual | Pass |          | It's an abstract time graph view |
| 3.2     | Select time range                      | supports time synchronization   | Verify that selection time range is updated in view   | Manual    | Pass |          | It's an abstract time graph view |
| 4       | Displaying of Changed Values           |   |   |           |      |          |                                  |
| 4.1     | Highlighting of changed values         | Select many different timestamps one after the other  | Selection time bar is over the current time and state value of Attribute is shown   | Manual    | Pass |          | Automation Candidate             |

|          | Section                                | Pass   | Fail  | Automated | To Do | Comments |  |
|----------|--|--|---|-----------|-------|----------|--|
|          | TMF - Flame Chart View                 | 24   | 0   | 14        | 0     | 1        |  |
| arget:   | Ubuntu 20.04.5 LTS 64-bit              |  |   |           |       |          |  |
|          |  |  |   |           |       |          |  |
| Step     | Test Case                              | Action   | Verification  | Type      |       | Comment  |  |
| <u>0</u> | <u>Download the test resources</u>     | Download this  |   |           |       |          |  |
| 1        | Preparation                            |  |   | _         |       |          |  |
| 1.1      | Open TMF Flame Chart View              | Use menu Window $\rightarrow$ Show View $\rightarrow$ Other $\rightarrow$ Tracing $\rightarrow$ Flame Chart                      | Verify that 'Flame Chart' view is shown   | SWTBot    | Pass  |          |  |
| 1.2      | Import generic trace                   | Import a trace that does not have any call stack information, like a standard kernel trace                                       | Verify that nothing is shown in the view, except "Stack info not available ( <tracename>)"</tracename>  | Manual    | Pass  |          | Automation Candidat                    |
| 1.3      | Import cyg-profile trace               | Import the trace in the "trace" directory of the downloaded zip  | Verify that the Flame Chart View is populated with some callstack information.  | SWTBot    | Pass  |          |  |
| 1.4      | Import cyg-profile-fast trace          | Import a trace in the "trace-fast" directory of the downloaded zip   | Verify that the Flame Chart View is populated with some callstack information.  | SWTBot    | Pass  | 1        |  |
| 2        | Managa View                            |  |   |           |       |          |  |
| 2        | Manage View                            | Class the Flores Chart View  | Clause Charthyiau is represent from a constant  | Manual    | Dage  |          |  |
| 2.1      | Close view                             | Close the Flame Chart View Use menu Window → Show View → Other   | Flame Chart' view is removed from perspective   | Manual    | Pass  |          | Automation Candidat                    |
| 2.2      | Open view                              | → Tracing → Flame Chart  | Flame Chart' view is displayed and re-populated   | SWTBot    | Pass  |          |  |
| 2.2      | Open view                              | → Tracing → Fiame Chart  | Verify that view is populated with call stack   | SWIDOL    | 1 033 |          |  |
| 2.3      | Open Trace                             | Open "trace(-fast)" trace  | information   | SWTBot    | Pass  |          |  |
| 2.4      | Open view when trace is already loaded | Close 'Flame Chart' view     Open "glxgears-cyg-profile(-fast)" trace located in the git in ctf test     Open 'Flame Chart' view | Verify that view is populated with call stack information   | SWTBot    | Pass  |          |  |
| 2.5      | Open Experiment                        | Open Experiment with 2 or more Flame Chart traces. (You can use both traces)   | Verify that view is populated with all call stack information (separated by trace).   | Manual    | Pass  |          | Automation Candidat                    |
| 2.7      | Salast other trace                     | Select different trace by clicking its Events  | View is undated to show selected trace  | Manual    | Door  |          | A                                      |
| 2.1      | Select other trace                     | editor tab   | View is updated to show selected trace.  Verify that view is populated with call stack from   | Manual    | Pass  |          | Automation Candidat                    |
| 2.6      | Restart                                | Restart Eclipse with Flame Chart trace opened  | trace   | Manual    | Pass  |          | Automation Candidat                    |
| 2.7      | Close all traces                       | Close traces and experiment one by one from the editor tab   | Verify that Flame Chart view is cleared after closing the last trace  | Manual    | Pass  |          | Automation Candida  Automation Candida |
|          |  |  |   |           |       |          |  |
| 3        | Navigation                             |  |   |           |       |          |  |
| 3.1      | Select time                            | Click on random time in the time graph pane  | Selected time line is updated. Table is updated to show the full stack information at the selected time. Selected time is updated in other views.                                       | SWTBot    | Pass  |          |  |
| 3.2      | Select Previous/Next Event             | Click Previous/Next Event button   | Previous or next call stack change is selected and corresponding active function and stack depth is selected. Table is updated to show the full stack information at the selected time. | SWTBot    | Pass  |          |  |
| 3.3      | Zoom to function (table)               | Double-click on a function in the table pane   | Time range is updated to the full duration of the   | SWTBot    | Pass  |          |  |
| 3.4      | Zoom to function (time graph)          | ·  | Time range is updated to the full duration of the   | SWTBot    | Pass  |          |  |
| 3.5      | Go to first event in trace             | Go to events editor, press home  | the Flame Chart view is updated   | Manual    | Pass  |          | Automation Candida                     |
|          |  | , , , , , , , , , , , , , , , , , , ,  |   |           |       |          |  |
| 4        | Synchronization                        |  |   |           |       |          |  |

| 4.1 | Time synchronization           | Select a random time in another view   | Selected time line is updated. Table is updated to show the full stack information at the selected time. If selected time is outside current range, | SWTBot | Pass |                      |
|-----|--------------------------------|--|---|--------|------|----------------------|
| 4.2 | Event synchronization          | Select a call stack-impacting event (function entry/exit) in events table  | In addition to updating the selected time, the active function at the event time is selected.   | SWTBot | Pass |                      |
| 4.3 | Time range synchronization     | Select a new time range in Histogram view.   | Time range is updated.  | SWTBot | Pass |                      |
| 5   | Function name import - Text fi | ile  |   |        |      |                      |
| 5.1 | Invalid text file import       | Open 'trace' from Fibonacci.zip. Click the<br>"Configure" button in the view and click<br>"Browse" to select a random .txt file that does<br>not contain any debugging info. | The function addresses do not change. Says "the following file(s) are invalid"  | Manual | Pass | Automation Candidate |
| 5.2 | Valid text file import         | Import a file "fibonacci.symbols"  | The view now displays function names instead of function addresses (both in the timegraph and the call stack areas).                                | SWTBot | Pass |                      |
| 6   | Function name import - CDT     |  |   |        |      |                      |
| 6.1 | Binary import                  | Click the "Configure" button in the view and click "Browse" to select the fibonacci executable (fibonacci).  | The view now displays the function names for both traces  | Manual | Pass |                      |
| 6.2 | Binary import Ittng 2.8+       | Open an Ittng 2.8+ trace with the executable present   | The view now displays the function names for the trace  | Manual | Pass |                      |

|         | Section                         | Pass   | Fail   | Automated | To Do | Comments |
|---------|---------------------------------|--|--|-----------|-------|----------|
|         | TMF - Remote Fetching           | 54   | 0  | 51        | 0     | 0        |
| Target: | Ubuntu 20.04.5 64-bit           |  |  |           |       |          |
|         |                                 |  |  |           |       |          |
| Step    | Test Case                       | Action   | Verification   | Type      |       | Comment  |
|         |                                 |  |  |           |       |          |
| 1       | Preparation                     |  |  |           |       |          |
| 4.4     | Cton 4                          | Open Trace Compass and reset Lttng   | I the superior ative are so with a superior                          |           |       |          |
| 1.1     | Step 1                          | perspective  | Lttng perspective opens with correct views                           |           |       |          |
| 2       | Opening                         |  |  |           |       |          |
|         | Opening                         | Right-click on Traces Folder -> Fetch Remote   |  |           |       |          |
| 2.1     | Open Profile Editor 1           | Traces> Manage Profiles  | The Profile Editor of preference page opens                          | SWTBot    | Pass  |          |
|         |                                 | Window -> Preferences-> Tracing -> Remote  |  |           |       |          |
| 2.2     | Open Profile Editor 2           | Profiles   | The Profile Editor of preference page opens                          | SWTBot    | Pass  |          |
|         |                                 |  |  |           |       |          |
| 3       | Edit Profile - Add/Delete       | Ones Destile Editors Oliek en IAddl > Ester  |  |           |       |          |
|         |                                 | Open Profile Editor > Click on 'Add' > Enter profile name, remote information, root path and | New Profile is created and template is                               |           |       |          |
| 3.1     | Create Profile                  | trace pattern  | provided   | SWTBot    | Pass  |          |
|         |                                 | Select Profile node > right mouse click > select   | New Connection Node is create under the                              |           |       |          |
| 3.2     | Add Node                        | 'New Connection Node'  | profile and template is provided                                     | SWTBot    | Pass  |          |
|         |                                 | Select node node > righ mouse click > select   | New Trace Group is created under the node                            | 011777    |       |          |
| 3.3     | Add trace group                 | 'New Trace Group' Select trace group > right mouse click > select                            | and template is provided  New Trace is created under Trace Group and | SWTBot    | Pass  |          |
| 3.4     | Add trace                       | 'New Trace'  | template is provided   | SWTBot    | Pass  |          |
| 3.5     | Delete Trace                    | Select trace > right mouse click > select Delete   | Trace is deleted   | SWTBot    | Pass  |          |
| 0.0     | 20.000000                       | Select Trace Group> right mouse click > select   | 11400 10 4010104   | 311.201   | . 466 |          |
| 3.6     | Delete Trace Group              | Delete   | Trace Group is deleted   | RCPTT     | Pass  |          |
|         |                                 | Select Connection Node > right mouse click >   |  |           |       |          |
| 3.7     | Delete Connection Node          | select Delete  | Connection Node is deleted   | RCPTT     | Pass  |          |
| 3.8     | Remove Profile                  | Select Profile > click on 'Remove' button  | Profile is deleted   | SWTBot    | Pass  |          |
| 4       | Edit Profile - Reorder          |  |  |           |       |          |
| 4       | Edit Profile - Reorder          | Create at 2-3 profiles > select 2nd profile and  |  |           |       |          |
| 4.1     | Move profile up/down            | press buttons 'Move Up'/'Move Down'  | Profiles are moved up and down                                       | RCPTT     | Pass  |          |
|         |                                 | Make sure that there are 2 or 3 connection   |  |           |       |          |
|         |                                 | nodes > select 1 connection node > click buttons   |  |           |       |          |
| 4.2     | Move connection node up/down    | 'Move Up'/'Move Down'  | within a profile   | RCPTT     | Pass  |          |
|         |                                 | Make sure that there are 2 or 3 trace gropus > select 1 trace group > click buttons 'Move    | Trace Groups are moved up and down within                            |           |       |          |
| 4.3     | Move Trace Group up/down        | Up'/'Move Down'  | a connection node  | RCPTT     | Pass  |          |
|         |                                 | Make sure that there are 2 or 3 trace groups >   |  |           |       |          |
|         |                                 | select 1 traces > click buttons 'Move Up'/'Move  | Traces are moved up and down within a Trace                          |           |       |          |
| 4.4     | Move Trace up/down              | Down'  | Group  | SWTBot    | Pass  |          |
| _       | F-IVA D                         |  |  |           |       |          |
| 5       | Edit Profile - Copy, Cut, Paste | Select Profile > click right mouse button on a   |  |           |       |          |
|         |                                 | profile > Select Copy -> click right mouse button  |  |           |       |          |
| 5.1     | Copy/Paste Profile              | on other profile > Select Paste  | Profile is pasted under the selected profile                         | RCPTT     | Pass  |          |
| 5.2     | Copy/Paste Profile (Keys)       | Redo 5.1 with CTRL+C and CTRL+V keys   | Profile is pasted under the selected profile                         | RCPTT     | Pass  |          |

| Sele   |   |   |        |      |
|--|---|---|--------|------|
| 5.3 Copy/Paste Connection Node Sele          |   | Profile is pasted under the selected Connection Node                                    | RCPTT  | Pass |
| Copy/Paste Connection Node<br>5.4 (Keys) Red |   | Profile is pasted under the selected<br>Connection Node                                 | RCPTT  | Pass |
| Trac   | 1 17  | Profile is pasted under the selected Trace<br>Group                                     | RCPTT  | Pass |
|  | do 5.5 with CTRL+C and CTRL+V keys  | Profile is pasted under the selected Trace Group  | RCPTT  | Pass |
| Trac   | lect Profile > click right mouse button on a<br>ace > Select Copy -> click right mouse button<br>other Trace > Select Paste | Profile is pasted under the selected Trace  | SWTBot | Pass |
| 5.8 Copy/Paste Trace (Key) Red               | do 5.5 with CTRL+C and CTRL+V keys  | Profile is pasted under the selected Trace  | RCPTT  | Pass |
|  | •   | Successful cut and paste  | RCPTT  | Pass |
| 6 Edit Profile - Adverserial                 |   |   |        |      |
|  | ear profile name  | Error message "Profile must not be empty"   | RCPTT  | Pass |
| 0.1 Error empty profile frame Clea           |   | Error message " <name>: Duplicate profile</name>  | KCFII  | rass |
|  | d profile with name of existing profile   | name"   | RCPTT  | Pass |
| Error empty Connection node name Clea        |   | Error message "Node name must not be empty"   | RCPTT  | Pass |
| With   | thin a profile, add Connection node with name   |   |        |      |
| 6.4 Duplicate Connection node name of each   | 9   | Error message "Duplicate node names" Error message "URI must include user               | RCPTT  | Pass |
| 6.5 Missing username in URI rem              |   | information"  | RCPTT  | Pass |
| 6.6 Invalid URI add                          |   | Error message "URI must include valid host and port number" or "Unsupported URI scheme" | RCPTT  | Pass |
|  |   | Error message "Root path must not be empty"   | RCPTT  | Pass |
|  |   | Error message "File pattern must not be   |        |      |
|  |   | empty"  | RCPTT  | Pass |
| 6.9 Invalid File pattern Add                 | d trace with invalid regular expression   | Error message "Invalid file pattern"  | RCPTT  | Pass |
| 5 Export/Import Profile                      |   |   |        |      |
|  | lect multipe profiles > Click Export Button >   |   |        |      |
| 7.1 Export Profile Sele                      | lect Folder and enter file name > OK  | Only selected profiles are exported   | SWTBot | Pass |
| 7.2 Import Profile OK                        | -   | Profiles are imported   | SWTBot | Pass |
| 7.3 Import Profile Red                       |   | after second import an error message appears "Duplicate profile names"                  | SWTBot | Pass |
| 8 Remote Fetch Wizard                        |   |   |        |      |
|  | Generate CTF trace in   |   |        |      |
|  | lugin>/generated/synthetic-trace  |   |        |      |
| 2) Ir  | Import profiles from <plugin>/profiles/test-</plugin>   |   |        |      |
| 8.1 Preparation prof                         | ofiles.xml  |   | SWTBot | Pass |

| 8.2 | Create and run Profile "new<br>Profile" (syslog + synthetic CTF<br>trace in sub-directory)                           | 3) Click on 'Next' button  | Verify that all test traces are imported with correct trace types assigned. Verify that folder structure is preserved.   | SWTBot | Pass |  |
|-----|--|--|--|--------|------|--|
|     | Clear traces   | Delete all traces from Traces directory  | All traces deleted   |        |      |  |
| 8.3 | Create and run Profile "new<br>Profile" (syslog + synthetic CTF<br>trace in sub-directory), only 1<br>trace selected | 1) Create Profile with Local connection, 1 trace group (root /tmp/traces/) and 2 traces (.*syslog.* and .*synthetic.*) in this group 2) Select profile in Fetch Remote Traces wizard (Remote Profile page) 3) Click on 'Next' button 4) deslect the synthetic CTF trace 5) Click on 'Finish' | Verify that only the selected traces are imported with correct trace types assigned. Verify that folder structure is preserved.  | SWTBot | Pass |  |
|     | Clear traces   |  | All traces deleted   |        |      |  |
| 8.4 | Run Profile "TestAllRecursive"   | Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish'   | Verify that all test traces are imported with correct trace types assigned (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized log is importeds with unrecognized trace type. Make sure that directory structure is preserved.   | SWTBot | Pass |  |
| 8.5 | Re-run Profile "TestAllRecursive" (Rename)   | Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed)  | Verify that all test traces are imported with new name and correct trace types assigned (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized.log is importeds with unrecognized trace type. Make sure that directory structure is preserved.  | SWTBot | Pass |  |
| 8.6 | Re-run Profile "TestAllRecursive" (Overwrite)  | Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish' 4) In dialog box select 'Overwrite' for the first   | Verify that all test traces are imported with correct trace types assigned where old traces are overwritten. (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized log is importeds with unrecognized trace type. Make sure that directory structure is preserved.                       | SWTBot | Pass |  |
| 8.7 | Re-run Profile "TestAllRecursive" (Skip)   | and 'Skip ALL' for the second traces   | Verify that all test traces are skipped and no trace is imported   | SWTBot | Pass |  |
| 8.8 | Re-run Profile "TestAllRecursive" (Overwrite 2)  | Remote Traces wizard (Remote Profile page) 2) Select checkbox 'Overwrite traces without warning' 3) Click on 'Next' button (enter password if needed) 4) Click on 'Finish'   | Verify that all test traces are imported with correct trace types assigned where old traces are overwritten (no dialog box opens). (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized log is importeds with unrecognized trace type. Make sure that directory structure is preserved. | SWTBot | Pass |  |
|     | Clear traces   | Delete all traces from Traces directory  | All traces deleted   |        |      |  |

|      | Re-run Profile "TestAllRecursive"              | Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page)   | Verify that all test traces are imported with correct trace types assigned. The second page is omitted. (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized.log is importeds with unrecognized trace type. Make sure that  |        |      |  |
|------|--|---|--|--------|------|--|
| 8.9  | (2)  | 2) Click on 'Finish' (enter password if needed)   | directory structure is preserved.  | SWTBot | Pass |  |
|      | Clear traces                                   | Delete all traces from Traces directory   | All traces deleted   |        |      |  |
| 8.10 | Run Profile "TestAllNonRecursive"              | Select profile "TestAllNonRecursive" in Fetch Remote Traces wizard (Remote Profile page)     Click on 'Next' button (enter password if needed)     Click on 'Finish'  | Verify that only traces from root path are imported (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized.log is importeds with unrecognized trace type. Make sure that directory structure is preserved.  | SWTBot | Pass |  |
|      | Clear traces                                   | Delete all traces from Traces directory   | All traces deleted   |        |      |  |
| 8.11 | Run Profile "TestSpecificRecursive"            | Select profile "TestSpecificRecursive" in Fetch Remote Traces wizard (Remote Profile page)     Click on 'Next' button (enter password if needed)     Click on 'Finish'  | Verify that only kernel and custom text/XML logs are imported from root and subdirectory. Make sure that directory structure is preserved.   | SWTBot | Pass |  |
|      | Clear traces                                   | Delete all traces from Traces directory   | All traces deleted   |        |      |  |
| 8.12 | Run Profile "TestSpecificNonRecursive"         | Select profile "TestSpecificNonRecursive" in Fetch Remote Traces wizard (Remote Profile page)     Click on 'Next' button (enter password if needed)     Click on 'Finish'   | Verify that only kernel and custom text/XML logs are imported from root directory only. Make sure that directory structure is preserved.   | SWTBot | Pass |  |
|      | Clear traces                                   | Delete all traces from Traces directory   | All traces deleted   |        |      |  |
| 8.13 | Run Profile "TestSpecificMutliGroupRecursiv e" | Select profile     "TestSpecificMultiGroupRecursive" in Fetch Remote Traces wizard (Remote Profile page)     Click on 'Next' button (enter password if needed)     Click on 'Finish'                              | Verify that only traces from root path are imported (LTTng kernel, LTTng UST, custom text, custom XML). Make sure that directory structure is preserved.   | SWTBot | Pass |  |
|      | Clear traces                                   | Delete all traces from Traces directory   | All traces deleted   |        |      |  |
| 8.14 | Cancel Import                                  | Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page)     Click on 'Next' button (enter password if needed)     Click on 'Finish'     Cancel import (red square or Cancel button) | Verify that import operation is cancelled  | SWTBot | Pass |  |
|      | Clear traces                                   | Delete all traces from Traces directory   | All traces deleted   |        |      |  |
| 8.15 | Run Profile "TestMultiNodes"                   | Select profile "TestMultiNodes" in Fetch Remote Traces wizard (Remote Profile page)     Click on 'Next' button (enter password if needed)     Click on 'Finish'   | Verify that only traces from root path are imported (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized.log is importeds with unrecognized trace type. Make sure that directory structure is preserved. 2 nodes directories are created with the above traces stored | SWTBot | Pass |  |
|      |  |   |  |        |      |  |
| 9    | Connection Handling                            |   |  |        |      |  |

| 9.1  | Error cannot connect to remote host (node doesn't exist) | Create profile with IP address that cannot be connected to and run profile           | Operation to connect to remote node fails and error dialog is shown with detailed information (after time-out)  | SWTBot | Pass |  |
|------|--|--|---|--------|------|--|
| 9.2  | Error cannot connect to remote host (wrong password)     | Create profile with valid IP address. When asked for password enter invalid password | Operation to connect to remote node fails with time-out and error dialog is shown with detailed information. Note time-out is as per remote development preferences. platform dependent   | Manual | Pass |  |
|      |  |  |   |        |      |  |
| 10   | Other Remote Backends                                    |  |   |        |      |  |
| 10.1 | Clear traces   | Delete all traces from Traces directory  | All traces deleted  | Manual | Pass |  |
|      |  |  | Verify that all test traces are imported with correct trace types assigned (LTTng kernel, LTTng UST, custom text, custom XML). The file unrecognized.log is imported with unrecognized trace type. Make sure that directory structure is preserved. Test with |        |      |  |

|         | Section                       | Pass   | Fail  | Automated | To Do | Comments |
|---------|-------------------------------|--|---|-----------|-------|----------|
|         | LTTng 2.0 - Control Flow View | 56   | 0   | 22        | 0     | 0        |
| Target: | Windows                       |  |   |           |       |          |
| 0.      | T4 O                          | A-41   | Verification  | T         |       | 0        |
| Step    | Test Case                     | Action   | Verification  | Type      |       | Comment  |
| 0       | Prerequisites                 |  |   |           |       |          |
|         |                               |  |   |           |       |          |
| 0.1     | Import traces                 | Import LTTng Kernel traces in Tracing project  |   | Manual    | Pass  |          |
| 0.2     | Create experiment             | Create an experiment with LTTng Kernel traces  |   | Manual    | Pass  |          |
| 1       | View management               |  |   |           |       |          |
| 1.1     | Open perspective              | Open and reset LTTng Kernel Perspective  | Control Flow view opens.  | SWTBot    | Pass  |          |
|         | Open trace                    | Open Linux Kernel trace in Project Explorer  | Control Flow view is populated with processes, sorted by Trace then TID. Child processes appear under their parent, sorted by birth time. Range is set to initial offset. Arrows are drawn between states of a CPU. | SWTBot    | Pass  |          |
| 1.2     | Open experiment               | Open experiment with Linux Kernel traces in Project Explorer                             | Control Flow view is populated with processes, sorted by Trace then TID. Child processes appear under their parent, sorted by birth time. Range is set to initial offset. Arrows are drawn between states of a CPU. | Manual    | Pass  |          |
| 1.3     | Close view                    | Close the Control Flow view  | View is closed.   | SWTBot    | Pass  |          |
| 1.4     | Open view                     | Open the Control Flow view   | Control Flow view is opened and populated with processes.   | SWTBot    | Pass  |          |
| 2       | View selection                |  |   |           |       |          |
| 2.1     | Select process in table       | Select a process in the table  | Same process is highlighted in time graph.  | SWTBot    | Pass  |          |
| 2.2     | Select process in time graph  | Select a process in the time graph (empty region)  | Same process is highlighted in table. Selected time line is updated. Other views are synchronized to selected time.   | Manual    | Pass  |          |
| 2.3     | Select state in time graph    | Select a state (A block in the gantt chart) in the time graph                            | Same process is highlighted in table. State is highlighted in time graph. Selected time line is updated. Other views are synchronized to selected time.   | Manual    | Pass  |          |
| _       |                               |  |   |           |       |          |
| 3       | Mouse handling                |  | Visible ways is drawed Miles as a second of   |           |       |          |
| 3.1     | Drag move chart area          | Ctrl-Drag move time graph left and right with middle button                              | Visible range is dragged. When mouse button is released, states are updated and new time range is propagated to other views.  | SWTBot    | Pass  |          |
| 3.2     | Zoom time range (mouse wheel) | Zoom with mouse wheel up and down, cursor inside time graph while holding the Ctl button |   | SWTBot    | Pass  |          |
| 3.3     | Zoom time range (mouse drag)  | Drag in time graph scale left and right with left button                                 | Time range is zoomed in and out. When mouse button is released, states are updated and new time range is propagated to other views.   | SWTBot    | Pass  |          |
| 3.4     | Mouse vertical scroll         | Scroll with mouse wheel up and down  | Table and time graph scroll up and down and remain aligned. Selected process does not change. Vertical scroll bar updated.  | Manual    | Pass  |          |

| 3.5 | Vertical scroll bar                                 | Click and drag vertical scroll bar   | Table and time graph scroll up and down and remain aligned. Selected process does not change.  | Manual | Pass |  |
|-----|---|--|--|--------|------|--|
|     |   |  | Selection highlighted. When mouse button is released, time range is zoomed to selection, states are updated and new time range is  | SWTBot | Pass |  |
| 3.6 | Drag zoom time range                                | Drag select time graph with right button   | propagated to other views.  Time range is reset to full range, states are  | SWIBOL | Pass |  |
| 3.7 | Double-click reset time range                       | Double-click left button on time scale   | updated and new time range is propagated to other views.   | Manual | Pass |  |
| 3.8 | Mouse hover (empty region)                          | Hover mouse in time graph over empty region  | Tool tip shows process name only.  | Manual | Pass |  |
| 3.9 | Mouse hover (state)                                 | Hover mouse in time graph over state   | Tool tip shows process name, state name, date, start time, stop time, duration. For USERMODE state, CPU is shown. For SYSCALL state, CPU and System Call is shown. For INTERRUPTED state, CPU is shown.  | Manual | Pass |  |
|     | Drag mouse selection                                | Drag select time graph with left button  | Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)   | SWTBot | Pass |  |
|     | Shift key selection                                 | Click select with left button (begin time), press shift key and click select another time (end time) | Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)   | Manual | Pass |  |
|     |   |  | ,  |        |      |  |
| 4   | Keyboard handling                                   | With faces of Early and LID DC:  | Only stand arrange in the Control of |        |      |  |
| .1  | (process selection)                                 | With focus on time graph, use UP, DOWN, HOME, END keys   | Selected process is changed. Table selection is updated. Vertical scroll bar updated.  | Manual | Pass |  |
| 4.2 | Keyboard navigation in time graph (state selection) | With focus on time graph, use LEFT, RIGHT keys   | Previous or next state is selected. Selected time is updated in other views.   | SWTBot | Pass |  |
| _   | Tool has bondling                                   |  |  |        |      |  |
| อ   | Tool bar handling                                   |  | The legand dialog is approad and can be  |        |      |  |
| 5.1 | Show Legend   | Click Show Legend button   | The legend dialog is opened and can be closed.   | SWTBot | Pass |  |
| 5.2 | Reset Time Scale                                    | Click Reset Time Scale button  | Time range is reset to full range, states are updated and new time range is propagated to other views.   | SWTBot | Pass |  |
| 5.3 | Select Previous/Next Event                          | Click Previous/Next Event button   | Previous or next state is selected. Selected time is updated in other views.   | SWTBot | Pass |  |
| 5.4 | Select Previous/Next Process                        | Click Previous/Next Process button   | Selected process is changed in table and time graph. Vertical scroll bar updated.  | Manual | Pass |  |
| 5.5 | Zoom In/Out   | Click Zoom In/Out button   | Time range is zoomed in and out, relative to center of selection or window. States are updated and new time range is propagated to   | Manual | Pass |  |
| 5.6 | Filter Dialog                                       | Open Filter Dialog   | Verify that all buttons are working correctly  | SWTBot | Pass |  |
| 5.7 | Filter Processes                                    | Open Filter Dialog     Deselect several processes     Press Ok                                       | Verify that only selected processes are displayed in the view  | SWTBot | Pass |  |
|     |   |  | Verify that arrows are not drawn in the time   |        |      |  |
| 5.8 | Hide Arrows   | Click Hide Arrows button   | graph  | Manual | Pass |  |

| 5.9  | Follow CPU Forward                          | With focus on time graph, click Follow CPU Forward button   | Time graph is updated to show the next state for this cpu following the arrow, the event is selected in the Events editor.                                  | SWTBot    | Pass  |  |
|------|---|---|---|-----------|-------|--|
|      |   |   | Time graph is updated to show the previous state for this cpu following the arrow, the  |           |       |  |
| 5.10 | Follow CPU Backward                         | Backward button   | event is selected in the Events editor.   | SWTBot    | Pass  |  |
| 5.11 | Optimize                                    | Click on the optimize button  | verify that the processes are closer together.  | SWTBot    | Pass  |  |
| 5.12 | Re-Optimize                                 | Click on the optimize button a few more times   |   | SWTBot    | Pass  |  |
| 5.13 | Go to next event of selected thread         | of selected thread  | Verify in the events table that the selected thread is the same as the previous event   | Manual    | Pass  |  |
| 5.14 | Go to previous event of selected thread     | Select a thread and click on go to previous event of selected thread  | Verify in the events table that the selected thread is the same as the previous event   | Manual    | Pass  |  |
| -    |   |   |   |           |       |  |
| 6    | Synchronization                             |   |   |           |       |  |
| 0.4  |   |   | Selected time line is updated. If selected time is outside current range, time range is updated to include it and view doesn't zoom                         |           |       |  |
| 6.1  | Time synchronization                        | Select a random time in another view  | out   | Manual    | Pass  |  |
| 6.2  | Event synchronization                       | Select a state-impacting event (sched_switch, syscall,) in events table or in Resources view using Select Previous/Next event.  | In addition to updating the selected time, the process containing the state change is selected and revealed. Vertical scroll bar is updated if necessary.   | Manual    | Pass  |  |
| 0.2  | Event dynamonization                        | Select a new window range in Resources  | apaatod ii fioococary.  | Manaai    | 1 400 |  |
| 6.3  | Window range synchronization                | view or in Histogram view.  | Window range is updated.  | Manual    | Pass  |  |
| 6.4  | Selection range synchronization             | In any other view that supports selection range synchronization, select a new range.  | Selection is highlighted. If the left time (T1) of selected time range is outside the current range, then window range is updated to include it             | Manual    | Pass  |  |
| _    |   |   |   |           |       |  |
| 7    | Multiple Trace Synchronization              |   |   |           |       |  |
|      | Preparation                                 | Download traces.zip (if necessary) and unzip into a local directory \${local}     Import kernel trace \${local}     traces/import/kernel-overlap-testing     Import UST \${local}/traces/import/trace ust-overlap-testing |   | Manual    | Pass  |  |
|      |   | Open multiple traces that don't overlap in time. For each trace, right click on the Events table and select Follow time update from   |   |           |       |  |
| 7.1  | Open multiple traces (no overlap)           | other traces  | View shows the last opened trace  | Manual    | Pass  |  |
| 7.2  | Change selected time and range (no overlap) | Select a time and new range   | Selected time line and time range is updated to selected time and new range.  | Manual    | Pass  |  |
| 7.3  | Select other trace (no overlap)             | Select different trace by clicking its Events editor tab  | View is updated to show selected trace.<br>Selected time line and time range are restored<br>to the selected trace's previously selected<br>time and range. | Manual    | Pass  |  |
| 7.4  | Open multiple traces (overlap)              | Open multiple traces that record events in the same time range. For each trace, right click on the Events table and select Follow time update from other traces   |   | Manual    | Pass  |  |
| 7.4  | Change selected time and range (overlap)    | Select a time and new range   | Selected time line and time range is updated to selected time and new range.  | Manual    | Pass  |  |
| ι.υ  | (Overlap)                                   | Scient a time and new fallye  |   | iviaiiuai | F 055 |  |
| 7.0  | Coloct other trace (available               | Select different trace by clicking its Events   | View is updated to show selected trace.  Selected time line and time range are set to   | Monriel   | Door  |  |
| 7.6  | Select other trace (overlap)                | editor tab  | the newly selected time and range.  | Manual    | Pass  |  |
| 7.7  | Close all traces                            | Close all Events editor tabs  | View is cleared.  | SWTBot    | Pass  |  |

| 8.1 | Filtering                                 |  |  |        |      |   |              |       |
|-----|---|--|--|--------|------|---|--------------|-------|
|     | Preparation                               | Open 2 LTTng Kernel Traces   |  | Manual | Pass |   |              |       |
| 8.1 | Apply filter (1st trace)                  | Open filter dialog     Create filter     Click on OK   | Make sure that only selected processes of filter dialog are shown                              | SWTBot | Pass |   |              |       |
| 8.2 | Apply filter (2nd trace)                  | Switch to 2nd trace (keep 1st open)     Open filter dialog     Create filter     Click on OK   | Make sure that only selected processes of filter dialog are shown                              | Manual | Pass |   |              |       |
| 8.3 | Persitent filter                          | Switch between both open traces  | Make sure that previously set filter are still available                                       | Manual | Pass |   |              |       |
| 9   | Miscellaneous                             |  |  |        |      |   |              |       |
| 9.1 | Restart (Bug 409345)                      | Open LTTng Kernel Trace     Select Control Flow View     Restart Eclipse   | Verify that Control Flow View is populated   | Manual | Pass |   |              |       |
| 9.2 | Select single time (Bug 477009)           | 1) Open LTTng <b>UST</b> trace while CFV is open 2) Select event in events table   | Verify that Control Flow View is empty, current window range stays change to ensure visibility | Manual | Pass | a | automation c | andio |
| 9.3 | Window range synchronization (Bug 477012) | 1) Open Control Flow view, Resources view and a kernel trace. Initial window range is 'range 1'. 2) Go "right one page" on Control Flow view by pressing right arrow in scroll bar. 3) Go "left one page" on Resources view by pressing left arrow in scroll bar. 4) Go "right one page" on Control Flow view. | Verify that after each step the initial window range doesn't change                            | Manual | Pass |   |              |       |

|         | Section                | Pass  | Fail   | Automated | To Do | Comments |            |
|---------|------------------------|---|--|-----------|-------|----------|------------|
|         | Critical Path          | 45  | 0  | 42        | 0     | 1        |            |
| Target: | Windows                |   |  |           |       |          |            |
|         |                        |   |  |           |       |          |            |
| Step    | Test Case              | Action  | Verification   | Type      |       | Comment  |            |
| 0       | Prerequisites          |   |  |           |       |          |            |
| 0.1     | Import traces          | Import the 3 django traces from the test traces                                       |  |           |       |          |            |
| 0.1     | Create experiment      | Create an experiment with the 3 traces in it  |  |           |       |          |            |
| 0.3     | Synchronize experiment | Synchronize the experiment, it should be accurate and 2 of the traces will be udpated |  |           |       |          |            |
|         |                        |   |  |           |       |          |            |
| 1       | View management        |   | Expand the Views element under the trace.  |           |       |          |            |
| 1.1     | Open trace             | Open any of the django traces in Project Explorer                                     | The OS Execution Graph analysis is there and the Critical Flow view is available under it.   | SWTBot    | Pass  |          |            |
| 1.2     | Open experiment        | Open the django experiment in Project Explorer  | Expand the Views element under the trace. The OS Execution Graph analysis is there and "normal". The Critical Path analysis is there and the Critical Flow view is available under it. | SWTBot    | Pass  |          |            |
|         |                        | Expand the Views element, then the Critical Path analysis and click on the Critical   | Oritical Flavorians in a rest of the desired   | OWTD-4    | Dec   |          |            |
| 1.3     | Open view              | Flow View Close the Critical  | Critical Flow view is opened and empty   | SWTBot    | Pass  |          | Automation |
| 1.4     | Close view             | Flow View   | Critical Flow view is closed   | Manual    | Pass  |          | Candidate  |

|     |                                   |  | - 10 10 1 1 1 1   |        |      |                         |
|-----|-----------------------------------|--|---|--------|------|-------------------------|
| 1.5 | Unapplicable trace                | Open a trace that is not an LTTng kernel trace   | Expand the Views element under the trace. The OS Execution Graph analysis is not there.   | Manual | Pass | Automation<br>Candidate |
| 1.6 | Unapplicable experiment           | Open an experiment that does not contain LTTng kernel traces   | Expand the Views element under the trace. The OS Execution Graph analysis is there, but striked out.  | Manual | Pass | Automation<br>Candidate |
|     |                                   |  |   |        |      |                         |
| 2   | View population                   |  |   |        |      |                         |
| 2.1 | Populate the view with trace      | "Follow<br>python/9496"  | The LTTng kernel exec graph is executed and at the end, the critical path view shows the interaction between 3 workers.                                 | SWTBot | Pass |                         |
| 2.2 | Select worker in time graph       | Select an empty region in the time graph section   | Same process is highlighted in table. Selected time line is updated. Other views are synchronized to selected time.                                     | SWTBot | Pass | Automation<br>Candidate |
| 2.3 | Select state in time graph        | Select a state in the time graph Select a worker   | Same process is highlighted in table. State is highlighted in time graph. Selected time line is updated. Other views are synchronized to selected time. | SWTBot | Pass | Automation<br>Candidate |
| 2.4 | Select worker in tree viewer      | from the tree viewer section   | Same process is highlighted in time graph.  | SWTBot | Pass | Automation Candidate    |
| 2.5 | Populate the view with empty path | Repeat steps of<br>2.1, with django-<br>client trace and<br>process lttng-<br>sessiond (TID<br>9355) | The Critical Path View is emptied   | SWTBot | Pass | Automation Candidate    |

| 2.5.5 | Select again                            | Repeat steps of 2.1, and select python/9496 again  | The critical path should be the same as 2.1  | SWTBot | Pass | Automation<br>Candidate |
|-------|---|--|--|--------|------|-------------------------|
| 2.6   | Re-opening                              | Close the django-<br>client trace,<br>reopen it and<br>repeat steps of 2.1   | The Critical Path View should be populated like in step 2.1  | SWTBot | Pass | Automation<br>Candidate |
| 2.7   | Populate the view with experiment       | instead  | The LTTng kernel exec graph is executed and at the end, the critical path view is populated with elements from the 3 traces.   | SWTBot | Pass | Automation<br>Candidate |
| 2.8   | Populate with trace with time selection | Re-open django-<br>client trace. In the<br>Control Flow View,<br>select a time after<br>the python<br>process exited,<br>then follow the<br>python/9496<br>process | The Critical Flow View should be populated like in step 2.1  | SWTBot | Pass | Automation<br>Candidate |
|       | N                                       |  |  |        |      |                         |
| 3     | Mouse handling                          | Ctrl-Drag move   |  |        |      |                         |
| 3.1   | Drag move time range                    |  | Time range is dragged. When mouse button is released, states are updated and new time range is propagated to other views.  | SWTBot | Pass |                         |
| 3.2   | Zoom time range (mouse wheel)           | Zoom with mouse wheel up and down, cursor inside time graph while holding the Ctl button   | Time range is zoomed in and out, relative to mouse cursor. When mouse wheel is stopped for a short time, states are updated and new time range is propagated to other views. | SWTBot | Pass | Automation<br>Candidate |
| 3.3   | Zoom time range (mouse drag)            |  | Time range is zoomed in and out. When mouse button is released, states are updated and new time range is propagated to other views.  | SWTBot | Pass |                         |

| Mouse vertical scroll         | Scroll with mouse wheel up and down, cursor outside time graph  | Table and time graph scroll up and down and remain aligned. Selected worker does not change. Vertical scroll bar updated.  | SWTBot   | Pass  | Automatio<br>Candidate   |
|-------------------------------|---|--|--|---|--|
| Vertical scroll bar           | Click and drag  | Table and time graph scroll up and down and remain aligned. Selected process does not change.  | SWTBot   | Pass  | Automatio<br>Candidate   |
| Drag select time range        | Drag select time graph with right button  | Selection highlighted. When mouse button is released, time range is zoomed to selection, states are updated and new time range is propagated to other views.   | SWTBot   | Pass  |  |
| Double-click reset time range | Double-click left button on time scale  | Time range is reset to full range, states are updated and new time range is propagated to other views.   | SWTBot   | Pass  | Automatio<br>Candidate   |
| Mouse hover (empty region)    | Hover mouse in<br>time graph over<br>empty region   | Tool tip shows process name and PID. [processName, pid] (e.g. [postgres,32554])  | SWTBot   | Pass  | Automatio<br>Candidate   |
| Mouse hover (state)           | Hover mouse in<br>time graph over<br>state  | Tool tip shows worker name, state name, priority, date, start time, end time, duration.  | SWTBot   | Pass  | Automatio<br>Candidate   |
| Drag mouse selection          | Drag select time graph with left button   | Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)   | SWTBot   | Pass  | Automatio<br>Candidate   |
|                               | Click select with<br>left button (begin<br>time), press shift<br>key and click<br>select another                            | Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)   | SWTBot   | Pass  | Automatio<br>Candidate   |
|                               | Vertical scroll bar  Drag select time range  Double-click reset time range  Mouse hover (empty region)  Mouse hover (state) | Mouse vertical scroll  Wheel up and down, cursor outside time graph  Click and drag vertical scroll bar  Drag select time graph with right button  Double-click reset time range  Double-click reset time range  Mouse hover (empty region)  Mouse hover (state)  Drag select time graph with right button on time scale  Hover mouse in time graph over empty region  Hover mouse in time graph over state  Drag select time graph over empty region  Click select time graph with left button  Click select with left button (begin time), press shift key and click | Mouse vertical scroll  Mouse vertical scroll  Mouse vertical scroll  Mouse vertical scroll  Click and drag vertical scroll bar  Click and drag vertical scroll bar  Drag select time graph with right button range  Double-click reset time range  Mouse hover (empty region)  Mouse hover (state)  Mouse hover (state)  Table and time graph scroll up and down and remain aligned. Selected worker does not change.  Selection highlighted. When mouse button is released, time range is zoomed to selection, states are updated and new time range is propagated to other views.  Time range is reset to full range, states are updated and new time range is propagated to other views.  Hover mouse in time graph over empty region  Hover mouse in time graph over state  Drag select time graph over state  Click select with left button (begin time), press shift key and click  Mouse hover (tabe)  Table and time graph scroll up and down and remain aligned. Selected worker does not change.  Table and time graph scroll bar updated.  Table and time graph scroll bar updated.  Table and time graph scroll bar updated.  Table and time graph scroll up and down and remain aligned. Selected process does not change.  Selection highlighted. When mouse button is released, time range is zoomed to selection, states are updated and new time range is propagated to other views.  Tool tip shows worker name, state name, priority, date, start time, end time, duration.  Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time, T2 the second (dragged) selected time and delta position, T1 the first selected time, T2 the second (dragged) selected time and delta position, T1 the first selected time, T2 the second (dragged) selected time and delta position, T1 the first selected tim | Mouse vertical scroll  Mouse vertical scroll  Mouse vertical scroll  Click and drag vertical scroll bar  Click and drag vertical scroll bar  Drag select time graph with right button  Drag select time graph with right button on time range  Mouse hover (empty region)  Mouse hover (state)  Mouse hover (state)  Table and time graph scroll up and down and remain aligned. Selected process does not change.  Selection highlighted. When mouse button is released, time range is zoomed to selection, states are updated and new time range is propagated to other views.  Tool tip shows process name and PID. [processName, pid] (e.g. [postgres, 32554])  SWTBot  Tool tip shows worker name, state name, priority, date, start time, end time, duration.  Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)  Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)  Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)  SwTBot | Mouse vertical scroll  Mouse vertical scroll  Mouse vertical scroll  Click and drag overtical scroll bar  Click and drag vertical scroll bar  Vertical scroll bar  Click and drag overtical scroll bar updated.  Table and time graph scroll up and down and remain aligned. Selected worker does not change. Vertical scroll bar updated.  Table and time graph scroll up and down and remain aligned. Selected process does not change. Vertical scroll bar updated.  Table and time graph scroll up and down and remain aligned. Selected process does not change.  Swythout not highlighted. When mouse button is released, time range is zoomed to selection, states are updated and new time range is propagated to other views.  Double-click left button on time updated and new time range is propagated to other views.  Hover mouse in time graph over empty region  Hover mouse in time graph over state  Mouse hover (state)  Tool tip shows process name and PID. [processName, pid] (e.g. [postgres,32554])  Pass  Pass  Wat Bot  Pass  Pass  Pass  Pass  Pass  Pass  Click select time graph with left button button  Drag select time graph with left button (begin time), press shift key and click  Swythout pand down and remain aligned. Selected worker does not change. Swyther and remain aligned. Selected fine pand down and remain aligned. Selected worker does not change.  Swythout pand time graph scroll up and down and remain aligned. Selected time, T2 the second to thange. Swyther and remain aligned. Selected time and selection nighlighted. When mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta position. T1 the first selected time, T2 the second (dragged) selected time and delta position. T1 the first selected time and delta pos |

| 4.1      | Keyboard navigation in table (process selection)      | With focus on table, use UP, DOWN, HOME, END keys  | Selected process is changed. Time graph selection is updated. Vertical scroll bar updated.   | SWTBot | Pass |                         |
|----------|---|--|--|--------|------|-------------------------|
|          |   | With focus on<br>table,<br>in Windows use<br>LEFT, RIGHT<br>keys while trace or<br>worker is selected                          |  |        |      |                         |
| 4.2      | Keyboard navigation in table (tree expansion)         | in Linux use<br>SHIFT LEFT,<br>RIGHT keys while<br>trace or worker is<br>selected  | For trace, tree is expanded or collapsed. Time graph item expansion is updated. Vertical scroll bar updated. For workers, it does nothing.   | SWTBot | Pass |                         |
| 4.3      | Keyboard navigation in time graph (process selection) | With focus on time graph, use UP, DOWN, HOME, END keys   | Selected worker is changed. Table selection is updated. Vertical scroll bar updated.   | SWTBot | Pass |                         |
| 4.4      | Keyboard navigation in time graph (state selection)   | With focus on time graph, use LEFT, RIGHT keys   | Previous or next state is selected. Selected time is updated in other views.   | SWTBot | Pass |                         |
| -        | Tool has bondling                                     |  |  |        |      |                         |
| <b>5</b> | Tool bar handling  Align views                        | Click on the Align<br>View Button, with<br>another time graph<br>view, eg the<br>Control Flow view<br>opened above or<br>under | When it is pressed, moving the line between tree viewer and time graph will move the line of the other view. If not pressed, the line can be moved without affecting the other views | SWTBot | Pass | Automation<br>Candidate |
| 5.2      | Show Legend   | Click Show<br>Legend button  | The legend dialog is opened and can be closed.   | SWTBot | Pass | Automation<br>Candidate |
| 5.3      | Reset Time Scale                                      | Click Reset Time<br>Scale button   | Time range is reset to full range, states are updated and new time range is propagated to other views.   | SWTBot | Pass | Automation<br>Candidate |

| 5.4  | Select Previous/Next<br>Event   | Click<br>Previous/Next<br>Event button  | Previous or next state is selected. Selected time is updated in other views.   | SWTBot | Pass | it's not updated in other<br>view | Automation<br>Candidate |
|------|---------------------------------|---|--|--------|------|-----------------------------------|-------------------------|
| 5.5  | Select Previous/Next<br>Element | Click<br>Previous/Next<br>Element button  | Selected worker is changed in table and time graph. Vertical scroll bar updated.   | SWTBot | Pass |                                   | Automation<br>Candidate |
| 5.6  | Zoom In/Out                     | Click Zoom In/Out button  | Time range is zoomed in and out, relative to center of selection or window. States are updated and new time range is propagated to other views.  | SWTBot | Pass |                                   | Automation<br>Candidate |
| 5.7  | Add Bookmark                    | Select a time, and click on the Add Bookmark button   | The bookmark is added and is displayed in the other views as well (if enabled)   | SWTBot | Pass |                                   | Automation<br>Candidate |
| 5.8  | Next/Previous marker            | Add more<br>bookmarks, then<br>click on the<br>next/previous<br>marker buttons  | The time graph view navigate between the bookmarks, States are updated and time selection is propagated to other views.  When on a bookmark, the Add bookmark buttons changes to Delete bookmark | SWTBot | Pass |                                   | Automation<br>Candidate |
| 5.9  | Delete bookmark                 | With next/previous marker, when on a bookmark, click the delete bookmark button   | The bookmark is deleted from all views   | SWTBot | Pass |                                   | Automation<br>Candidate |
| 5.11 | Do not show markers             | Click on the down<br>arrow at the<br>extreme right of<br>the view, then<br>expand Show<br>markers and<br>uncheck the<br>Bookmarks box | All remaining bookmarks disappear from the view, but remain in other views where the they are enabled  | SWTBot | Pass |                                   | Automation<br>Candidate |
| 5.12 | Show markers                    | Same as above, recheck the Bookmarks box  | The bookmarks come back  | SWTBot | Pass |                                   | Automation<br>Candidate |
|      |                                 |   |  |        |      |                                   |                         |
| 6    | Synchronization                 | Coloot a randors  | Colored time line is undeted if selected   |        |      |                                   |                         |
| 6.1  | Time synchronization            | Select a random time in another view  | Selected time line is updated. If selected time is outside current range, time range is updated to include it.   | SWTBot | Pass |                                   | Automation<br>Candidate |

| 6.2 | Window range synchronization    | Select a new window range in another view   | Window range is updated.  | SWTBot | Pass | Auton<br>Cand | mation<br>lidate |
|-----|---------------------------------|---|---|--------|------|---------------|------------------|
| 6.3 | Selection range synchronization | In any other view that supports selection range synchronization, select a new range.  | Selection is highlighted. If the left time (T1) of selected time range is outside the current range, then window range is updated to include it | SWTBot | Pass | Auton<br>Cand | mation<br>lidate |
| 6.4 | Out of region selection         | With a critical path displayed, select a time in another view that is not in the range of the process being displayed in the critical path view | Selected time is updated and the critical path view is synced with the other  | SWTBot | Pass | Auton<br>Cand | mation<br>lidate |

|         | Section                       | Pass  | Fail   | Automated | To Do | Comments |            |
|---------|-------------------------------|---|--|-----------|-------|----------|------------|
|         | LTTng 2.0 - Resources View    | 44  | 0  | 16        | 0     | 1        |            |
| Target: | Windows                       |   |  |           |       |          |            |
| Step    | Test Case                     | Action  | Verification   | Туре      |       | Comment  |            |
| Step    | lest case                     | Action  | vernication  | туре      |       | Comment  |            |
| 0       | Prerequisites                 |   |  |           |       |          |            |
|         |                               |   |  |           |       |          |            |
| 0.1     | Import traces                 | Import LTTng Kernel traces in Tracing project                   |  | Manual    | Pass  |          |            |
| 0.2     | Create experiment             | Create an experiment with LTTng Kernel traces                   |  | Manual    | Pass  |          |            |
| 0.2     | Croate experiment             |   |  | Mariaar   | i doo |          |            |
| 1       | View management               |   |  |           |       |          |            |
|         |                               | Open and reset LTTng Kernel Perspective,                        | _  |           |       |          |            |
| 1.1     | Open perspective              | and select Resources view                                       | Resource view opens.   | SWTBot    | Pass  |          |            |
|         |                               |   | Resource view is populated with traces   |           |       |          |            |
|         |                               |   | (sorted by name) and their resources as tree children (sorted by resource type then    |           |       |          |            |
| 1.2     | Open trace                    | Open LTTng Kernel trace in Project Explorer                     | numerically) Range is set to initial offset.   | SWTBot    | Pass  |          |            |
|         |                               |   | Resource view is populated with traces   |           |       |          |            |
|         |                               | On an augustionant with LTT-s Karral traces in                  | (sorted by name) and their resources as tree   |           |       |          |            |
| 1.2     | Open experiment               | Open experiment with LTTng Kernel traces in<br>Project Explorer | children (sorted by resource type then numerically) Range is set to initial offset.    | Manual    | Pass  |          |            |
| 1.3     | Close view                    | Close the Resources view  | View is closed.  | SWTBot    | Pass  |          |            |
|         |                               |   | Resources view is opened and populated with  |           |       |          |            |
| 1.4     | Open view                     | Open the Resources view   | processes.   | SWTBot    | Pass  |          |            |
| 2       | View selection                |   |  |           |       |          |            |
|         | view selection                |   | Resource is highlighted. Selected time line is   |           |       |          |            |
|         |                               | Select a resource in the time graph (empty                      | updated. Other views are synchronized to   |           |       |          |            |
| 2.2     | Select resource in time graph | region)   | selected time.   | Manual    | Pass  |          |            |
|         |                               |   | State is highlighted in time graph. Selected   |           |       |          |            |
| 2.3     | Select state in time graph    | Select a state in the time graph                                | time line is updated. Other views are synchronized to selected time.                   | Manual    | Pass  |          |            |
| 2.5     | Select state in time graph    | Gelect a state in the time graph                                | synchronized to selected time.   | iviariuai | Газэ  |          |            |
| 3       | Mouse handling                |   |  |           |       |          |            |
|         |                               |   | Time range is dragged. When mouse button is  |           |       |          |            |
| 0.4     | Daniel                        | Drag move time graph left and right with                        | released, states are updated and new window  | OM/TD - 4 | D     |          |            |
| 3.1     | Drag move canvas              | middle button   | range is propagated to other views.  | SWTBot    | Pass  |          |            |
|         |                               |   | Time range is reamed in and out relative to  |           |       |          |            |
|         |                               |   | Time range is zoomed in and out, relative to mouse cursor. When mouse wheel is stopped |           |       |          |            |
|         |                               |   | for a short time, states are updated and new   |           |       |          | Automation |
| 3.2     | Zoom time range (mouse wheel) | Ctrl+mousewheel in the time graph                               | time range is propagated to other views.   | Manual    | Pass  |          | Candidate  |
|         |                               |   | Time range is zoomed in and out. When  |           |       |          |            |
|         |                               | Drag in time graph scale left and right with                    | mouse button is released, states are updated and new time range is propagated to other |           |       |          |            |
| 3.3     | Zoom time range (mouse drag)  | left button   | views.   | SWTBot    | Pass  |          |            |
|         | 5 \                           |   | Time graph scrolls up and down. Selected   |           |       |          |            |
|         |                               |   | process does not change. Vertical scroll bar   |           |       |          | Automation |
| 3.4     | Mouse vertical scroll         | outside time graph (in name space)                              | updated.   | Manual    | Pass  |          | Candidate  |

| 0.5  | Ved'esternalliber                                     | Olish and decreased as leavell have  | Time graph scroll up and down and remain  | Manual    |       | Automation                   |
|------|---|--|---|-----------|-------|------------------------------|
| 3.5  | Vertical scroll bar                                   | Click and drag vertical scroll bar   | aligned. Selected process does not change.  Selection highlighted. When mouse button is   | Manual    | Pass  | Candidate                    |
|      |   |  | released, time range is zoomed to selection,  |           |       |                              |
| 3.6  | Drag select time range                                | Drag select time graph with right button   | states are updated and new time range is propagated to other views.   | Manual    | Pass  | Automation<br>Candidate      |
|      |   | g gpg  | Time range is reset to full range, states are   |           |       | Carialado                    |
| 3.7  | Double-click reset time range                         | Double-click left button on time scale   | updated and new time range is propagated to other views.  | Manual    | Pass  | Automation<br>Candidate      |
| 5.7  | Double-click reset time range                         | Hover mouse in time graph over empty   | outer views.  | Manual    | 1 033 | Candidate                    |
| 3.8  | Mouse hover (empty region)                            | region   | Tool tip shows resource name only.  | Manual    | Pass  |                              |
| 3.9  | Mouse hover (state)                                   | Hover mouse in time graph over state   | Tool tip shows resource name, state name, date, start time, end time, duration. For IRQ state, IRQ name is shown. For INTERRUPT/SOFT_IRQ_ACTIVE state, CPU is shown.On usermode and syscall tool tip shows also shows TID and process name. For syscall the system call name is shown as well as the kernel callsite (if available).  Selection highlighted. Status bar of Eclipse is | Manual    | Pass  | Automation<br>Candidate      |
| 3.10 | Drag mouse selection                                  | Drag select time graph with left button  | updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (dragged) selected time and delta the time difference between T2-T1 (can be negative)  | SWTBot    | Pass  |                              |
|      | Shift key selection                                   | Click select with left button (begin time), press shift key and click select another time (end time) | Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (draged) selected time and delta the time difference between T2-T1 (can be negative)   | Manual    | Pass  |                              |
| 3.11 | Offit key selection                                   | (end time)   | negative)   | iviariuai | 1 000 |                              |
| 4    | Keyboard handling                                     |  |   |           |       |                              |
| 4.1  | Keyboard navigation in time graph (process selection) | With focus on time graph, use UP, DOWN, HOME, END keys   | Selected process is changed. Vertical scroll bar updated.   | SWTBot    | Pass  |                              |
| 4.0  |   | With focus on time graph, use LEFT, RIGHT  | Previous or next state is selected. Selected  | CM/TD-4   | D     | T 0 115 T 1                  |
| 4.2  | (state selection)                                     | keys   | time is updated in other views.   | SWTBot    | Pass  | TimeGraphViewTest            |
| 5    | Tool bar handling                                     |  |   |           |       |                              |
| 5.1  | Show Legend   | Click Show Legend button   | The legend dialog is opened and can be closed.  | SWTBot    | Pass  | TimeGraphViewTest            |
| 5.2  | Reset Time Scale                                      | Click Reset Time Scale button  | Time range is reset to full range, states are updated and new time range is propagated to other views.  | SWTBot    | Pass  | TimeGraphViewTest            |
|      |   |  | Previous or next state is selected. Selected  |           |       | ·                            |
| 5.3  | Select Previous/Next Event                            | Click Previous/Next State button   | time is updated in other views.  Selected resource is changed in time graph.  | SWTBot    | Pass  | TimeGraphViewTest Automation |
| 5.4  | Select Previous/Next Process                          | Click Previous/Next Resource button  | Vertical scroll bar updated.  | Manual    | Pass  | Candidate                    |
| 5.5  | Zoom In/Out   | Click Zoom In/Out button   | Time range is zoomed in and out, relative to center of selection or window. States are updated and new time range is propagated to  | SWTBot    | Pass  |                              |

| 5.6  | Filter Dialog                            | Open Filter Dialog  | Verify that all buttons are working correctly   | SWTBot    | Pass  |  | TimeGraphViewTe         |
|------|--|---|---|-----------|-------|--|-------------------------|
| 0.0  | Titler Blaining                          | Sport mer Blaing  | volly that all batterie are working correctly   | OTTIBUL   | 1 400 |  | TimeGraphiviewre        |
| 6    | Synchronization                          |   |   |           |       |  |                         |
|      |  |   | Selected time line is updated. If selected time   |           |       |  |                         |
| 6.1  | Time synchronization                     | Select a random time in another view  | is outside current range, time range is updated to include it.  | Manual    | Pass  |  | Automation<br>Candidate |
| J. I | Time synchronization                     | Select a random time in another view  Select a new time range in Control Flow view  | updated to include it.  | iviariuai | F455  |  | Automation              |
| 6.2  | Time range synchronization               | or in Histogram view.   | Time range is updated. (window/selection)   | Manual    | Pass  |  | Candidate               |
|      | <u> </u>                                 |   | Selection is highlighted. If begin time (T1) of   |           |       |  |                         |
|      | Time range selection                     | In any other view that supports range   | selected time range is outside the current  |           |       |  | Automation              |
| 6.3  | synchronisation                          | synchronization, select a new range.  | range, then time range is updated to include it   | Manual    | Pass  |  | Candidate               |
| 7    | Multiple Trace Synchronization           |   |   |           |       |  |                         |
|      |  | 1) Download traces.zip (if necessary) and unzip into a local directory \${local} 2) Import kernel trace \${local} /traces/import/kernel-overlap-testing 3) Import UST \${local}/traces/import/trace ust-overlap-testing |   |           |       |  |                         |
|      | Preparation                              | 4) Create experiment with trace of 2) in it   |   | Manual    | Pass  |  |                         |
| 7.1  | Open multiple traces (no overlap)        | Open multiple traces that don't overlap in time. For each traces, click on the Events table and select Follow time updates from other traces  | View shows the last opened trace. The Follow time updates from other traces option in the Context menu of the Events table is selected.                     | Manual    | Pass  |  |                         |
|      | Change selected time and range           |   | Selected time line and time range is updated  |           |       |  |                         |
| 7.2  | (no overlap)                             | Select a time and new range   | to selected time and new range.   | Manual    | Pass  |  |                         |
| 7.3  | Select other trace (no overlap)          | Select different trace by clicking its Events editor tab  | View is updated to show selected trace.<br>Selected time line and time range are restored<br>to the selected trace's previously selected<br>time and range. | Manual    | Pass  |  |                         |
| 7.4  | Open multiple traces (overlap)           | Open multiple traces that <b>overlap</b> in time. For each traces, click on the Events table and select <i>Follow time updates from other traces</i>  | View shows the last opened trace. The <i>Follow time updates from other traces</i> option in the Context menu of the Events table is selected.              | Manual    | Pass  |  |                         |
| 7.5  | Change selected time and range (overlap) | Select a time and new range   | Selected time line and time range is updated to selected time and new range.  | Manual    | Pass  |  |                         |
| 7.6  | Select other trace (overlap)             | Select different trace by clicking its Events editor tab  | View is updated to show selected trace.<br>Selected time line and time range are set to<br>the newly selected time and range.                               | Manual    | Pass  |  |                         |
| 7.7  | Close all traces                         | Close all Events editor tabs  | View is cleared.  | SWTBot    | Pass  |  |                         |
| • •  | FIRe de la                               |   |   |           |       |  | _                       |
| 8.1  | Filtering Preparation                    | Open 2 I TIng Kornel Traces   |   | Manual    | Pass  |  |                         |
| 8.1  | Apply filter (1st trace)                 | Open 2 LTTng Kernel Traces  1) Open filter dialog   | Make sure that only selected processes of   | SWTBot    | Pass  |  |                         |
|      |  | Switch to 2nd trace (keep 1st open)     Open filter dialog     Create filter  | Make sure that only selected processes of   |           |       | Sehr: It is kind of strange that the filter view has blank | Automation              |
| 8.2  | Apply filter (2nd trace)                 | 4) Click on OK  | filter dialog are shown   | Manual    | Pass  | checkboxes for blank lines                                 | Candidate               |
| 8.3  | Persistent filter                        | Switch between both open traces   | Make sure that previously set filter are still available  | Manual    | Pass  |  | Automation<br>Candidate |
| 9    | Miscellaneous                            |   |   |           |       |  |                         |
| 9.1  | Restart (Bug 409345)                     | Open LTTng Kernel Trace     Select Resource View     Restart Eclipse  | Varify that Decourage View is populated   | Manual    | Pass  |  |                         |
| 7. I | 1/corait (Dug 409040)                    | o) Nestart Euripse  | Verify that Resources View is populated   | Manual    | rass  |  |                         |

| LTTng 2.0 - Control View arget: Unspecified  | Pars<br>125  | Fall   | Automated 19 Do Comments 115 0 5 I nover we deprecise this test since we don't store which version of timp to support. |  |  |  |  |
|--|--|--|--|--|--|--|--|
| t: Unspecified   |  |  | I move we deprecate this test since we don't store which version of iting to support.<br>tested with 2.13.9            |  |  |  |  |
| Prerequisites  | Action   | Verification   | Type Comment   |  |  |  |  |
| Prerequisites  | For the tests below a Ubuntu machine with LTTng 2.0 installed (with litting tools 2.5 y or later) is required. Make yours that the root session  | LTT ng Tracer Control User Guide.<br>http://wki.ecipse.  |  |  |  |  |  |
|  | daemon is running (sudo titng list-k) and have one UST process<br>running (e.g. from litng-tools git repository under tests/helio.cxx)   | orgilirux Tools Projectil TTng2/Liser<br>Guide#LTTng Tracer Control  |  |  |  |  |  |
| Set Proxy  | For the tests below a Utborfu machine with LTTing 2.0 installed just itting tool a 2.5.x or leter) is required. Make sure that the root session disease in surviving fluido litting list 4-by and have one UST process running (e.g., from litting-dools gir repository under testahablio.cx) a) Window — Preferences — Ceremin — Network Connections 5-bit 4-bit Provider's Disease.  |  |  |  |  |  |  |
| General  |  |  |  |  |  |  |  |
| 1 Open perspective   | Open and reset LTTrg Kernel Perspective  | LTTng Kernel perspective opens with<br>correct Control view on the left bottom   | SWITBot Page   |  |  |  |  |
| Manage View 1 Close view 2 Open Control view   | Chara Casted Vine  | Control store is reserved from   | Manual Prince  |  |  |  |  |
|  | Close Control View Use menu Window → Show View → Lting → Control   | Control view is removed from<br>Verify that Control view is shown  | SWTBet Past  |  |  |  |  |
| Connection Handling  |  | Make sure that after 4) the new  |  |  |  |  |  |
|  |  | connection is shown in the tree. Verify<br>that the new host is shown in the   |  |  |  |  |  |
|  | 1) Click Bellow New Connection 1   | Control view (with 'Connection Name'.  After Sah connection has been   |  |  |  |  |  |
|  | <ol> <li>Select Tree item "Bulli-in SSH" and click on Create</li> <li>Enter Connection Name (e.g. Myttost), enter Host Name (a DNS name</li> </ol>   | and Session nodes are created in the<br>or Control view underneath the host.   |  |  |  |  |  |
| .1 Create Host Connection  | IP address), username and password<br>4) Click Tinish  | Verify that all active Providers (Kernel<br>and UST providers) are shown under   |  |  |  |  |  |
| 2 Disconnect   | 1) Click Button Weer Connection. 2) Select Twe Sent "Build" SOFF and click on Create 2) Select Twe Sent "Build" SOFF and click on Create 3) Select Twent Sent Sent Sent Sent Sent Sent Sent S  | Verify that icon for the corresponding<br>rode changes to the disconnect iron  | 10,011   |  |  |  |  |
| Discorning   | b) read that well contact an able there are a disconnect   | Verify that icon for the corresponding<br>node changes to the connected icon   | NOT 1  |  |  |  |  |
| 5 Connect  | a) Select host to connect and click Button "Connect" b) Redo test with context sensitive nerur Sen "Connect" 1) Restart Edipse 2) Click Button New Connection 3) Select the host previously created 4) Select CV. (Peterserise sensitive or and Password if necessary)   | and after successful SSH connection<br>all data is retrieved form the remote   | BCPTT Pres   |  |  |  |  |
|  | 1) Restart Eclipse<br>2) Click Button New Connection"  | Make sure that SSH connection is<br>established and all data is retrieved  |  |  |  |  |  |
| 4 Select Host Connection   | Select the host previously created     Select 'Ok'. (Afterwards enter user ID and Password if necessary)   | from the remote host ( (Providers, sessions etc).  | RCPTT Pass   |  |  |  |  |
|  |  | enabled/disabled depending on state:<br>'Connect' (disabled)   |  |  |  |  |  |
|  | Connect to remote host     select connected node and click right mouse button  | Disconnect (enabled)<br>Refresh (enabled)  |  |  |  |  |  |
| 5 Node contexts sensitive menu (host connected)  | select connected node and click right mouse button   | Delete (disabled) Verify enable state of view buttons: New Connection 1 (analysis)   | RCPIT Page   |  |  |  |  |
|  |  | 'Connect' (disabled) 'Disconnect' (enabled)  |  |  |  |  |  |
|  |  | Refresh' (enabled)<br>Delete' (disabled)   |  |  |  |  |  |
|  |  | Start' (disabled)<br>'Stop' (disabled)<br>'Destroy Session 'Administrat'   |  |  |  |  |  |
| 3.6 View button enable state (host connected)  | Connect to remote host (if necessary)     select connected node  | Record Snapshof (disabled)<br>Import'(disabled)  | RCPTT Pain   |  |  |  |  |
|  |  | Verify that menu items are shown and<br>enabled/disabled depending on state:   |  |  |  |  |  |
|  | 1) Disconnect from node  | Lorned' (enabled) Discorred' (disabled) Disferent' (disabled)  |  |  |  |  |  |
| 1.7 Node contexts sensitive menu (host disconnected)   | Disconnect from node     select disconnected node and click right mouse button   | 'Delete' (enabled)<br>Verify enable state of view buttons:   | RCPTT Pass   |  |  |  |  |
|  |  | Usely the Cartest seen in about 1997 and 1997 an |  |  |  |  |  |
|  |  | Refresh' (disabled)<br>'Delete' (enabled)  |  |  |  |  |  |
|  |  | 'Start' (disabled) 'Stop' (disabled)   |  |  |  |  |  |
| 3.5 View button enable state (host connected)  | 1) Disconnect to remote host (if necessary) 2) select disconnected node if necessary a) Select node to delete (state disconnected) and click on button 'Delete' b) Rode test with constant sensitive menus item 'Delete'  (ii) Rode test with constant sensitive menus item 'Delete'  (iii)  | Record Snapshof (disabled) Tecord Snapshof (disabled) Tecord' (disabled)   | RCPIT PRO  |  |  |  |  |
| 9 Delete   | <ul> <li>a) Select node to delete (state disconnected) and click on button 'Delete'</li> <li>b) Redo test with context sensitive menu item 'Delete'</li> </ul>   | Verify that host is removed from the control view.   | RCPTT Pass   |  |  |  |  |
| O Create Host Connection with salt port  | ne-do 3.1 but this time specify a port number other than default SSH port 22   | The connection should fall (unless remote is configured for the specified  |  |  |  |  |  |
|  | ne-do 3.1 but this time specify a port number other than default 5504 port 22  | 2 pon)   | RLPII PERS   |  |  |  |  |
| Session Handling Preparation   |  | -<br>Verify that menu items are shown and  |  |  |  |  |  |
| 2 Sessions Contest Sensitive Menu  | Select 'Sessions' in tree and click right mouse button   | enabled: 'Refresh', 'Create Session',<br>Verify that new session is added under  | RCPTT Pass   |  |  |  |  |
|  |  | the Session tree node. Verify<br>properties in Properties view (by   |  |  |  |  |  |
|  |  | selecting the session in the Control<br>view);<br>Nessino name* (eMvSessino)   |  |  |  |  |  |
|  | 1) Click right mouse button on "Sessions" 2) Select 'Create Session" in the context sensitive menu 3) [Infer session name 1bySession", keep Session Path' empty 4) Select 'Ot'  15  15  16  17  18  18  18  18  18  18  18  18  18   | "Session Path"<br>(*Ihome/+user+/traces/MySession_+d   |  |  |  |  |  |
| 3 Create Session (default location)  | Enter session name 'MySession', keep 'Session Path' empty     Select 'Ok'  | ate and time*) and 'State'<br>(*INACTIVE)  | SWITEGE Page   |  |  |  |  |
|  |  | the Session tree node. Verify<br>properties in Properties view (by   |  |  |  |  |  |
|  | Click right mouse button on "Sessions"     Select "Create Session" in the context sensitive menu   | selecting the session in the Control view):  |  |  |  |  |  |
| 4 Create Session (custom location)   | 1) Click right mouse button on "Sessions" 2) Select "Dreate Session" In the content sensitive menu 3) Enter season name "My-fort-Ession" 4) enter custom path (throptiny/fraces) for "Session Path" 5) Select "O' Ch"  (1) Select "O' Ch"  (2) Select "O' Ch"  (3) Select "O' Ch"  (4) Select "O' Ch"  (5) Select "O' Ch"  (6) Select "O' Ch"  (7) Select "O' Ch"  (8) Select "O' Ch"  (9) Select "O' Ch"  (9) Select "O' Ch"  (1) Select "O' Ch"  (1) Select "O' Ch"  (1) Select "O' Ch"  (1) Select "O' Ch"  (2) Select "O' Ch"  (3) Select "O' Ch"  (4) Select "O' Ch"  (5) Select "O' Ch"  (6) Select "O' Ch"  (6) Select "O' Ch"  (7) Select "O' Ch"  (6) Select "O' Ch"  (7) Select "O' Ch"  (8) Select "O' Ch"  (9) Select "O' Ch"  (9) Select "O' Ch"  (1) Select "O' Ch"  (1) Select "O' Ch"  (1) Select "O' Ch"  (1) Select "O' Ch"  (2) Select "O' Ch"  (3) Select "O' Ch"  (4) Select "O' Ch"  (5) Select "O' Ch"  (6) Sel   | Session name" (*MyOtherSession) "Session Path" (*ImplmyTraces) and "Session Path" (*ImplmyTraces) and  | DCDTT Free   |  |  |  |  |
| The second (Caron Scaron)  |  | Make sure that an error message<br>appears in the message area of the  | narii Faa  |  |  |  |  |
| 1.5 Create Session – session already exists in GUI   | Click right mouse button on "Sessions"     Select 'Create Session' in the context sensitive menu   | dialog box with information that<br>session 'MySession' already exists in  |  |  |  |  |  |
| 5 Crease Session – session aready exists in GUI  | Index season name stypession, seep bession inter empty     It logs to the remote host using a command shell     It have littra create new Season and press enter. This will create a season  | Verify that an error dialog box will<br>show with information that command   | REPIT PAR  |  |  |  |  |
|  | which is not know by the Control view.<br>3) Click right mouse button on "Sessions"  | to create a session failed, session<br>already exists on the node. Select  |  |  |  |  |  |
| .5 Create Session – session already exists on node   | 1 Clock opt moses before to Season's<br>Selective Means - The Condes services enter<br>2 Selective Means - The Condes services enter<br>3) Einst season enter Mylessoon, keep Season Pall empty<br>1) Logis in the weather before any commend of the wall create a season<br>which is not brown by the Control vice.<br>3) Clock opt mose abutton or Season's Control<br>3) Clock opt mose abutton or Season's enter<br>5) Selective Mylessoon (Season Pall empty<br>5) Selective Mylesso | With your terror terror and other more and control and | BCDIT Prov   |  |  |  |  |
|  | -,   | Verify context sensitive menu items:<br>'Refresh' (enabled)  |  |  |  |  |  |
|  |  | 'Start' (enabled)<br>'Stop' (disabled)   |  |  |  |  |  |
|  |  | 'Import' (enabled) 'Save' (enabled)  |  |  |  |  |  |
|  |  | Enable Channel' (enabled)<br>Enable Event (default channel)'   |  |  |  |  |  |
| 7 Session Contest Sensitive menu (session inactive)  | Select newly created session and click right mouse button  | (enacsed) Record Snapshof (disabled) Verify enable state of view hatten-   | RCPTT Pass   |  |  |  |  |
|  |  | New Connection (enabled)<br>"Connect" (disabled)   |  |  |  |  |  |
|  |  | usconned' (disabled)<br>Refresh' (enabled)<br>Tieleh' (disabled)   |  |  |  |  |  |
|  |  | 'Start' (enabled) 'Stop' (disabled)  |  |  |  |  |  |
| 5 View button enable state (session inactive)  | Select newly created session (enable an event before)  | Destroy Session' (enabled)<br>'Import' (enabled)<br>'Bernet Searched' (described)  | BCDIT Prov   |  |  |  |  |
| ( Table Bill (Million Fill Cole)   |  | Verify that Session icon changes to<br>'ACTIVE' icon. Verify that property   |  |  |  |  |  |
| Start Session  | a) Enable an event     b) Select session and click on button "Starf"     c) Redo test with context sensitive menu item "Starf"   | view shows 'ACTIVE' for the session state  | SWITBot Pass   |  |  |  |  |
|  |  | Verify context sensitive menu items:<br>Refresh' (enabled)<br>Shert (risebled)   |  |  |  |  |  |
|  |  | 'Stop' (enabled) 'Destroy Session' (disabled)  |  |  |  |  |  |
|  |  | 'Import' (disabled) 'Enable Channel' (disabled) 'Enable Event (defect disabled)  |  |  |  |  |  |
| Session Context Sensitive menu (session active)  | Select started session and click right mouse button  | (disabled) Verify enable state of view hydron-   | RCPTT Pass   |  |  |  |  |
|  |  | New Connection' (enabled)<br>'Connect' (disabled)  |  |  |  |  |  |
|  |  | 'Disconnect' (disabled) 'Refresh' (enabled) 'Tielets' (disabled)   |  |  |  |  |  |
|  |  | 'Sterf' (disabled) 'Stop' (enabled)  |  |  |  |  |  |
| 11 View button enable state (session active)   | Select started session   | Destroy Session' (disabled)<br>'Import' (disabled)   | RCPTT Page   |  |  |  |  |
|  | Select stands session salect session 18yOtherSession*  1) In the Control view select session 18yOtherSession*  3) salect "Other Session." In the context session sensor  4) Select "Oth" in the confirmation dialog box  |  |  |  |  |  |  |
| 2 Destroy Session  | 4) Select 'Ok' in the confirmation dialog box  | Verify that session is removed from the control view.  | 5WTBot Peex  |  |  |  |  |
| Kernel Channel Handling Preparation  | 1) Connect to remote host<br>2) Create new Session 'MyOtherSession'  |  |  |  |  |  |  |
| r-vyw/8000   |  | Verify that domain 'Kernel' is created   |  |  |  |  |  |
|  | Select session and right mouse click     Select menu fere Trasbe Charrell.     Select Charrell care (e.g. myChannel) and keep default values     Select Kernell     Sick on 'Uk'   | Verify that domain 'Xemel' is created under essation and charred is added under the domain. Verify that default values for the channel are displayed in the Properties view after selecting the charred in this time. Verify that charred is added under the domain. Verify that correct values for Properties view after selecting the charred in the time.   |  |  |  |  |  |
| 2 Enable Channel on session level (default values)   | 3) creer channel name (e.g. myChannel) and keep detault values 4) Select Kernel 5) Click on 'DK'   | vasues for the channel are displayed in<br>the Properties view after selecting the<br>channel in the tree.   | RCPIT Page   |  |  |  |  |
|  | 5) Clok on 'DK'  1) Saked domain Xemel and right mouse click 2) Saked more law Tradel Chernel.  2) Saked more law Tradel Chernel.  4) Change values  6) Clok on 'DK'  1) Change values  6) Clok on 'DK'  1) Saked more law Tradel Chernel  2) Saked more law Tradel Chernel  3) Saked chernel  4) Clok on 'DK'  5) Clok on 'DK'  | Verify that channel is added under the   |  |  |  |  |  |
|  | 3) Enter Channel come (e.g. MyOtherChannel) 4) Change values   | the channel are displayed in the<br>Properties view after selecting the  |  |  |  |  |  |
| 3 Enable Channel on domain level (changed values)  | 5) Click on 'Ok' 1) Select domain 'Kennel' and right mouse click   | channel in the tree.   | RCPTT Pass   |  |  |  |  |
| Enable Channel - channel sheady exists   | <ol> <li>perect menu item 'Enable Channel'</li> <li>Enter Channel name (e.g. MyOtherChannel) and keep default values</li> <li>Olds on 'OK'</li> </ol>  |  | RCPTT Pass   |  |  |  |  |
| - Committee of the comm |  | Verify context sensitive menu items:<br>'Refresh' (enabled)  |  |  |  |  |  |
|  |  | Enable Channel' (enabled) Enable Event (default channel)'  |  |  |  |  |  |
| 5.5 Domain Context Sensitive menu  | Select domain 'Kernel' and click right mouse button  | "Add Context" (enabled)  | RCPTT Pass   |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  | Verify context sensitive menu items:<br>'Refresh' (enabled)  |   |  |  |  |   |  |                                      |
|--|--|--|---|--|--|--|---|--|--------------------------------------|
|  |  | Enable Channel' (disabled) Disable Channel' (enabled)  |   |  |  |  |   |  |                                      |
| 5.6 Channel Context Sensitive menu   | Select channel MyChannel and click right mouse button  | Needy reminder servisive mensu items. Telestand (reminder) Enable Charmett (inhabited) Enable Charmett (inhabited) Enable Event (inhabited) Event  | T Page  |  |  |  |   |  |                                      |
| 5.6 Chamel Contest Sensitive menu  | select crannel MyUnamer and click right mouse button   | Verify that channel is disabled<br>idisabled channel iron shown state  |   |  |  |  |   |  |                                      |
|  | 1) Select channel Shi-Channel and circle right mouse hallon  | DISABLED shown in Properties view,   |   |  |  |  |   |  |                                      |
| 5.7 Disable Channel  | Select channel 'MyChannel' and click right mouse button     Select 'Disable' menu item   | menu item 'Enable' is enabled RCPTT<br>Verify that channel is enabled  | T Page  |  |  |  |   |  |                                      |
|  |  | (enabled channel icon shown, state<br>ENABLED shown in Properties view,  |   |  |  |  |   |  |                                      |
| 5.8 Enable Channel   | Select channel 'MyChannel' and click right mouse button 2) Select 'Enable menu item  | " menu item 'Disable' is enabled and<br>menu item 'Enable' is disabled RCPTT   | T Pass  |  |  |  |   |  |                                      |
| 6 UST Channel Handling   |  |  |   |  |  |  |   |  |                                      |
|  | 1) Select session and right mouse click 2) Select mans item Traible Channel 3) Enter Channel name 13/Channel 4) Select UST 5) Click on Bullion Teefault 5) Click on Bullion Teefault 5) Click on TeX Redo tests 5 7 and 5.8 with UST Channel   | Verify that domain 'UST global' is<br>created under session and channel is<br>added under the domain. Verify that<br>default values for the channel are<br>displayed in the Properties view after<br>selecting the channel in the tree.<br>See 2.75.5<br>RCPTT   |   |  |  |  |   |  |                                      |
|  | 3) Enter Channel name 'MyChannel'<br>4) Select UST   | added under the domain. Verify that<br>default values for the channel are  |   |  |  |  |   |  |                                      |
| Enable Channel on session level (default values)     Enable Dauble Channel   | 5) Click on Dutton Default'<br>5) Click on 'Ok'  | displayed in the Properties view after<br>selecting the channel in the tree. SWTBo<br>See 5.7/5.8 RCPTT  | ot Pass   |  |  |  |   |  |                                      |
| 7 Kernel Event Handling  | Medic Settle 5.7 and 5.6 with US1 channel  | 566 5.75.0 RCP11   | 7/03  |  |  |  |   |  |                                      |
| / Kema Evert Handing   |  | Verify that detault channel (channel0)   |   |  |  |  |   |  |                                      |
|  | 1) Select session and click right mouse buffor   | first all tracepoint events are added  |   |  |  |  |   |  |                                      |
|  | 1) Select session and click right mouse button 2) Select menu item Trushle Events (default channel) 3) Select Mannel 4) Select Radio button for "Tracepoint Events" 5) Select Radio button for "Tracepoint Events" 5) Select Radio Puel tree node 'All' 6) Click on Clic   | ENABLED. Verify properties view<br>show correct values when selecting a  |   |  |  |  |   |  |                                      |
|  | Select Radio button for "Tracepoint Events"     Select top level tree node 'All'   | event in the tree (Event<br>Type=TRACEPOINT,   |   |  |  |  |   |  |                                      |
| 7.1 Enable Event on session level (all tracepoints)  | 6) Click on Ok   | State=ENABLED) SWTBo<br>Verify that event with name syscals is   | ot Pass   |  |  |  |   |  |                                      |
|  | 1) Select domain Kernel and click right mouse button   | added under the default channel<br>(channel()) with state ENASLED.   |   |  |  |  |   |  |                                      |
|  | 1) Select domain Kernel and click right mouse button 2) Select menu ferm Trasible Events (default channel) 3) Select Mernel' 4) Select Readio button for "All Syscalls" 5) Click on Dix  (Dix Chine Chine)  (Dix Chine)   | Verify properties view show correct<br>values when selecting a event in the  |   |  |  |  |   |  |                                      |
| 7.2 Enable Event on domain level (syscalls)  | 4) Select Radio button for 'All Syscalls' 5) Click on Ok   | tree (Event Type=SYSCALL,<br>State=ENABLED) SWTBo  | ot Pass   |  |  |  |   |  |                                      |
|  | Select a channel (e.g. channell) and click right mouse button     Select a research to the Select Sele      | is added under the respective channel  |   | Command to change state of events failed   |  |  |   |  |                                      |
|  | Select Radio button for "Dynamic Probe"     Histor Event Name "Mellower" and Drobe in Der 0101280 see file.  | view show correct values when<br>selection a asset in the tree (Event  |   | Size Organic Continues on a given as a memory and present in a superior continue of the superior continues of the superior |  |  |   |  |                                      |
|  | 3) Listed at Animania (e.g., channed) and click right mouse button 3) sieled many laws Trable Dumis. 3) sieled many laws Trable Dumis. 4) Sieled Radio blooks for "Dynamic Poste" 4) Sieled Radio blooks for "Dynamic Poste" 4) Sieled Radio blooks for "Dynamic Poste" 5) Sieled Radio blooks for "Dynamic Poste" 4) Sieled Radio blooks for "Dynamic Poste" 6) Sieled Radio Sieled Radio For "Sieled Sieled Sie | Vary for dealed derived prevently  and of house or early as a finish of the control of the contr |   | Common Service and examination and indicated in the analysis of the common and th | false-rienabled-rattifacture-roophe white-ri | sp-raddman-18446744071596097477v (seen | ear-cloube attributes-clattributes-co-co- | assistant accessor towards required to the | ad-raccess false riscosso-ricomment- |
| 7.3 Enable Event on Channel level (Dynamic Probe)  | 5) Click on Ok   | Name=MyEvent) RCPTT<br>Verify that event with name   | T Pana  |  |  |  |   |  |                                      |
|  |  | 'MyOtherEvent' is added under the<br>respective channel with state   |   | Command to change date of event failed   |  |  |   |  |                                      |
|  | Select a channel (e.g. channell) and clok right mouse button     Select mens them Tanable Events.     Select Report Select       | ENABLED. Verify properties view<br>show correct values when selecting a  |   | Command to design date of earth file and in the command of the com |  |  |   |  |                                      |
|  | Desect Radio button for 'Dynamic Function Entry/Return Probe'     Enter Event Name 'MyOtherEvent' and Probe (e.g. create_dev, see file   | event in the tree (Event<br>Type=Function, State=ENASLED,  |   | Start Value 50 (**) Charles Start Value 5 (**) C |  |  |   |  |                                      |
| 7.4 Enable Event on Channel level (Dynamic Function Probe)   | procisasyms or /boot/System.map-kennel version>)<br>5) Click on Ok   | Symbol=create_dev_Offset=0x0,<br>Event Name=MyOtherEvent) RCPTT  |   | command-variant-early variation early craimed specific participation of the CTO Million o | false-/success-ricommand+                    |  |   |  |                                      |
|  | Select multiple events (tracepoint events) under a channel (not syscalls)  | disabled (disabled event icon is<br>shown state DISAM PD in shown in   | Note: Disable and Enable menu item is only enabled for events of the  |  |  |  |   |  |                                      |
| 7.5 Disable Event  | and click right mouse button<br>2) Select 'Disable' menu item  | Wortly that all selected owners are disabled (establed owner can in shown, sites DOEARLED in shown of the DOEARLED in shown in Properties were, mercu them 'Doearle' in swinshed Wortly that in sicked owner is one shown in Properties (MCDPT) Wortly that inside owner is one shown on the DOEARLED in shown of the DOEARLED in | Note: Disable and Enable menu item is only enabled for events of the<br>same type, all tracepoints or all sys calls. For function and dynamic<br>T Pass probe the user has to enable each separately. |  |  |  |   |  |                                      |
|  |  | Verify that selected events are<br>enabled (enabled event icon is shown,   |   |  |  |  |   |  |                                      |
| 7.5 Enable Event (tracepoint events)   | Select multiple disabled events and click right mouse button     Select 'Enable' menu item   | state ENABLED is shown in Properties view, menu item 'Disable' is enabled property   | T Paus  |  |  |  |   |  |                                      |
|  | 1) Select a crobe event (function or dynamic crobe) disabled events and click  | Verify that selected events are enabled (enabled event icon is shown   |   |  |  |  |   |  |                                      |
| 7.7 Enable Event (northe parents)  | Select a probe event (function or dynamic probe) disabled events and clid night mouse button     Select 'Enable' menu item     Create Session  | state ENABLED is shown in Properties<br>view, menu item 'Disable' is enabled   | T Page  |  |  |  |   |  |                                      |
| 7.7 Enable Event (probe events) 7.8 Enable Tracepoint Event using filter in tree (Bug 450525)  | 1) Create Session  | Verify that only the selected RCPTT  | Pina  |  |  |  |   |  |                                      |
| 8 UST Event Handling   |  | Visit that defend where ****   |   |  |  |  |   |  |                                      |
|  |  | verry true detaut crannel (channell)<br>is create under domain "UST global"<br>and that a wildnesd award ""  |   |  |  |  |   |  |                                      |
|  | Select session and click right mouse button     Select mens item Enable Events (default channel)     Select SET:     Select Reado button for "Recapoint Eventa"     Select top level the enade VMT     Click on CM   | Why for dead derived phenotics of the control of th |   |  |  |  |   |  |                                      |
|  | 3) Select 'UST'<br>4) Select 'Radio button for 'Tracepoint Events'   | show correct values when selecting a<br>event in the tree (Event   |   |  |  |  |   |  |                                      |
| 8.1 Enable Event on session level (all tracepoints)  | 5) Select top level tree node 'All'<br>5) Click on Ok  | Type=TRACEPOINT,<br>State=ENABLED) RCPTT   | T Pasa  |  |  |  |   |  |                                      |
|  |  | Verify that event with wildcarded name<br>(e.g.uat*) is added under the default  |   |  |  |  |   |  |                                      |
|  | 1) Select domain 'UST global' and click right mouse button   | channel (channel0) with state<br>ENABLED. Verify properties view   |   |  |  |  |   |  |                                      |
|  | Select menu item 'Enable Events (default channel)'     Select Radio button for 'Wildow'  | show correct values when selecting a<br>event in the tree (Event   |   |  |  |  |   |  |                                      |
| 8.2 Enable Event on domain level (wildcards)   | Select domain 'UST global' and clock right mouse button     Select manu item 'Enable Events (detault channel)'     Select Reals button for 'Wildourd'     Elter a widcoard (e.g. uat")     Clock on Ch.  | Type=TRACEPOINT,<br>State=ENABLED) RCPTT   | T Pass  |  |  |  |   |  |                                      |
|  |  | Verify that event with name "MyEvent"<br>is added under the respective channel   |   |  |  |  |   |  |                                      |
|  | Select a crame (crase inscessary) and dick right mouse button     Select menu item "Inable Events"   | view show correct values when  |   |  |  |  |   |  |                                      |
|  | 1) Stated a channel (create if recessary) and click right mouse button 2) Stated many time Trabble Treats : 3) Stated reads the Trab External : 3) Stated Reads button for Yog Levell ' 4) Enter Event Namer Wylthewert ' 5) Stated log levelt TRACE_EPER ( 6) Stated radio button for biglevell   6) Stated radio button for biglevell  | Type=TRACEPOINT,   |   |  |  |  |   |  |                                      |
| 8.3 Enable Event on Channel level (log level)  | 5) Select radio button for logisvel 7) Clink on Ok   | Level===TRACE_ERR, Event<br>Name=MyEvent) SWTBo  | T Para  |  |  |  |   |  |                                      |
|  |  | Verify that event with name<br>************************************  |   |  |  |  |   |  |                                      |
|  | 1) Select a channel (create if necessary) and click right mouse button   | respective channel with state<br>ENABLED. Verify properties view   |   |  |  |  |   |  |                                      |
|  | 2) Select menu item "Enable Events"<br>3) Select Radio button for "Log Level"  | show cornect values when selecting a<br>event in the tree (Event   |   |  |  |  |   |  |                                      |
|  | Enter Event Name 'MyOtherEvent'     Select log level TRACE_INFO  | Type=TRACEPOINT,<br>State=ENABLED, Log Level=  |   |  |  |  |   |  |                                      |
| 8.4 Enable Event on Channel level (log level oly)  | 6) Select radio button for logievel-olny<br>7) Click on Ok   | TRACE_INFO, Event Name-MyOtherEvent). RCPTT See 7.57.5 RCPTT See 7.57.6 RCPTT  | T Pass  |  |  |  |   |  |                                      |
| Enable Event on Channel level (log level oly)     Enable Disable Event (tracepoint events)     Enable Disable Event (tracepoint events)  | Select a channel (create if recovary) and click right moves bullen     Select areas have Trainle Denta;     Select areas have Trainle Denta;     Select areas have Trainle Denta;     Select bear Select areas     Select bear Select Select bear Select Select bear Select bear Select bear Select bear Select bear Select Select bear Select Select bear Select Select Select bear Select      | See 7.5/7.6 RCPTT<br>See 7.5/7.6 RCPTT   | T Pass  |  |  |  |   |  |                                      |
|  | Create Session     Select session, right-mouse click and select Enable Events (default)  |  |   |  |  |  |   |  |                                      |
| 8.7 Enable Tracepoint Event using filter in tree (Bug 450525)  | channel?  Ji Chief filer for the bisospoint hee and then select All  Ji Chief filer for the bisospoint hee and then select All  Ji Chief filer for the bisospoint hee and then select Truthle Events (default  Ji Chief Select Truthle Events (default  Ji Select Truthle Events (default  Ji Select Truthle Events (default  Ji Select Truthle filer firerses (commis-separates) in load box  Ji Click on Ch.  Ji Click on Ch.  | Verify that only the selected trace points (filtered) are enabled and not all UST trace polonts RCPTT  | T   |  |  |  |   |  |                                      |
| and the state of t | Create Session     Select session, soft-mouse click prof select Viriable Events (1-1-2)  | RCP11  |   |  |  |  |   |  |                                      |
|  | channel? 3) Select Tracepoints   | Verify that events entered in the  |   |  |  |  |   |  |                                      |
| 8.5 Enable Event by name   | Enter list of names (comma-separated) in text box     Click on Ok  | Verify that events entered in the comma-separated list are added to the tree.  | Pass  |  |  |  |   |  |                                      |
|  |  |  |   |  |  |  |   |  |                                      |
| 9 Contexts Handling  |  | Verify that command is successful (no NOTE: There is no way to infinite added contains from the lace. Therefore, CLI connect deplay the CLI Welly that command is successful (no NOTE: There is no way to retireve added contains from the lace. Therefore, CLI connect deplay the NOTE: The USE in your part of the CLI Connect deplay the NOTE: The USE in your part of the CLI Connect deplay the NOTE: The USE in your part of the CLI Connect deplay the NOTE: The USE in your part of the CLI Connect deplay the NOTE: The USE in your part of the CLI Connect deplay the NOTE: The USE is not wish to the CLI Connect deplay the NOTE: The USE is not wish to the CLI Connect deplay the NOTE: The USE is not wish to the CLI Connect deplay the NOTE: The USE is not wish to the NOTE: The USE is not wish to the NOTE: The USE is not wish to the NOTE is not the NOTE in the NOTE in the NOTE in the NOTE is not the NOTE in the |   |  |  |  |   |  |                                      |
|  | 1) Select kernel channel and click right mouse button  | error).<br>NOTE: There is no way to retrieve   |   |  |  |  |   |  |                                      |
| 9.1 Add Contest (In charmal)   | 1) Select kernel channel and click right mouse button 2) Select menu item "Add Contexts" 3) Expand tree and select some contexts (e.g. prio, procname, pld) 4) Click on "Dic"  10 Click on "Dic"   | added contexts from the trace. Therefore GUI cannot display this information. RCPTT  |   |  |  |  |   |  |                                      |
|  | -y-months of the   | Verify that command is successful (no  |   |  |  |  |   |  |                                      |
|  |  | NOTE 1: There is no way to retrieve added contexts from the have   |   |  |  |  |   |  |                                      |
|  | 1) Select UST channel and click right mouse button   | Therefore GUI cannot display this information.   |   |  |  |  |   |  |                                      |
|  | 1) Select UST channel and click right mouse button 2) Select menu item "Add Contexts" 3) Expend tree and select contexts procrame, pfivead_id, vpid and vtid 4) Click on "OK"  | NOTE2: For UST only contexts<br>procrame, pthread_id, vpid and vtid  |   |  |  |  |   |  |                                      |
| 9.2 Add Contest (to channel)   | 4) Click on 'Ok'   | procrame, pthread_id, vpid and vtid<br>are supported RCPTT   | T Pass  |  |  |  |   |  |                                      |
| 10 Enable Events (from Provider)   |  |  | _   |  |  |  |   |  |                                      |
|  | Create a new session     Select multiple Kernel Tracepoint events under Providers — Kernel   | Verify that domain 'Kennel' is created<br>under the new season. Verify that<br>default channel 'channell' is created<br>under the domain. Verify that selected<br>events are added under the channel<br>and are ENABLED. RCPTT   |   |  |  |  |   |  |                                      |
|  | click right mouse button     select menu item 'Enable Event'   | default channel 'channel0' is created<br>under the domain. Verify that selected  |   |  |  |  |   |  |                                      |
| 10.1 Enable Kernel Events  | 5) Select newly created session<br>6) Select 'Ok'  | events are added under the channel and are ENABLED. RCPTT  | T Pass  |  |  |  |   |  |                                      |
|  | Contact new sealors  3 did sign cannot because the contact from the contact of the contact of the contact because the contact because the contact because the contact of th |  |   |  |  |  |   |  |                                      |
|  | <ol> <li>Lrease a channel under domain "UST global"</li> <li>Select multiple UST Tracepoint events under Providers -&gt; «UST Process»</li> </ol>  |  |   |  |  |  |   |  |                                      |
|  | 6) select menu item Tinable Event 7) Select menu resident session  | Vanilly that subsrived asserts are solded  |   |  |  |  |   |  |                                      |
| 10.2 Enable UST Events   | 6) Select Yes (Select Yes)   | Verify that selected events are added<br>under the selected channel and are<br>ENABLED. RCPTT  | T Page  |  |  |  |   |  |                                      |
| 11 Importing to Project  |  | - ROPII  |   |  |  |  |   |  |                                      |
| importing to respect   | 1) Create new sexation 2) Enable at Kennel Tracepoint events 3) Enable at Kennel Stracepoint events 5) Enable at Stemel sycalis 4) Enable at UST events 5) Start Tracing 6) Step Tracing after a tew seconds 7) Create new Tracing Project   |  |   |  |  |  |   |  |                                      |
|  | 3) Enable all Kernel sycalis<br>4) Enable all UST events   |  |   |  |  |  |   |  |                                      |
|  | 5) Start Tracing<br>6) Stop Tracing after a few seconds  |  |   |  |  |  |   |  |                                      |
| 11.1 Preparation   | 7) Create new Tracing Project  | After 2 verify that all traces are   |   |  |  |  |   |  |                                      |
|  |  | After 2 verify that all traces are<br>selected by default and also that the<br>tracing project with name 'Remote' is<br>selected.  |   |  |  |  |   |  |                                      |
|  |  |  |   |  |  |  |   |  |                                      |
|  |  | Verify that during import a progress<br>dialog is opened to show the progress<br>of the import operation.  |   |  |  |  |   |  |                                      |
|  |  | of the import operation.   |   |  |  |  |   |  |                                      |
|  |  | Verify that traces are imported to the<br>project with name Remote and its   |   |  |  |  |   |  |                                      |
|  |  | Verify that traces are imported to the<br>project with name Remote and its<br>Traces folder. Verify that for the leaned<br>trace the trace type "LTT-ng Kernel<br>Trace" is set and for the UST traces<br>the trace type "LTT-ng UST Trace" is<br>set.   |   |  |  |  |   |  |                                      |
|  |  | the trace type "LTTng UST Trace" is  |   |  |  |  |   |  |                                      |
|  |  |  |   |  |  |  |   |  |                                      |
|  | Select session from 11.1 and click right mouse button     Select Tracet  | Create Experiment, select all traces and open Experiment. Make sure that all view are populated correctly in the LTTng Kernel Plenspective. RCPTT  |   |  |  |  |   |  |                                      |
| 11.2 Import to project Import to project (Override) 11.3   | Select session from 11.1 and click right mouse button     Select Import     Select City     Select Cit         |  | T Pans  |  |  |  |   |  |                                      |
| Import to project (Override)   | 2) In dialog box select 'Overwise' (kernel trace) 3) In dialog box select 'Overwise' (UST frame made if more than 1 1977 hours   | Verify that traces are imported and s) existing traces are overwritten SWTBo   | ot Pass   |  |  |  |   |  |                                      |
|  |  |  |   |  |  |  |   |  |                                      |

|  | Popeat step 1 – 3 of test case 11.2     In dialog box select 'Overwrite All'   | Confirmation dialog only shows once. Verify that traces are imported and existing traces are overwritten RC  |   |  |  |  |  |  |  |
|--|--|--|---|--|--|--|--|--|--|
| 11.4 Import to project (Overwrite All)   | 1) Repeat shep 1 – 3 of heat case 112 2) In dialog box select "Rename" (hernel frace) 3) In dialog box select "Rename" (burnel frace) 3) In dialog box select "Rename" (UST trace, re-do if more than 1 UST trace) 1) Repeat shep 1 – 3 of sel case 112 2) In dialog box select "Rename Arr"   | exacing traces are overwritten RC  | LPII PRI  |  |  |  |  |  |  |
| 11.5 Import to project (Rename)  | In caseg ook select Tename" (kemel trace)     In dialog box select Tename" (UST trace, re-do if more than 1 UST trace)   | Verify that traces are imported with a different name Confirmation dialog only shows once. Verify that all traces are imported with a different name RC  | NTBot Pass  |  |  |  |  |  |  |
| 11.5 Import to project (Rename All)  | 2) In dialog box select Rename All   | Verify that all traces are imported with<br>a different name   | CPIT Page   |  |  |  |  |  |  |
|  | 1) Repeat step 1 - 3 of test case 11.2 2) In dialog box select "Skin" (bernel trace)   | Varify that early skinned trans is not   |   |  |  |  |  |  |  |
| 11.7 Import to project (Skip)  | 1) Repeat step 1 – 3 of feat case 11.2 2) In disting box select \$3500 (Remeil trace) 3) In disting box select \$3500 (Remeil trace) 1) Respect step 1 – 3 of test case 11.2 2) In disting box select \$3500 (RCT stee, re-do if more than 1 UST trace) 2) In disting box select \$3500 AU  2) In disting box select \$3500 AU  2)   | Verify that each skipped trace is not imported SVI Confirmation dialog only shows once. Verify that all traces are skipped RG  | NTEct Pass  |  |  |  |  |  |  |
| 11.8 Import to project (Skip All)  |  |  | CPTT Post   |  |  |  |  |  |  |
| 12 Refresh   |  | Vanily that the Control Visco is   |   |  |  |  |  |  |  |
| 12.1 Refresh   | Press refresh button and context sensitive menu item for different selections  | refreshed. Ma  | anual Pass  |  |  |  |  |  |  |
| 14 Event Filtering (LTTing 2.1)  | For the texts below a Ubuntu machine with LTTng 2.1 installed (with  |  |   |  |  |  |  |  |  |
|  | Iting tools 2.1.x) is required. Either create a VM machine yourself (e.g. on Virtualbox) or install it locally on your native Ubuntu (if correct   |  |   |  |  |  |  |  |  |
| 14.1 Prerequisites   | version). Make sure that the root session deemon is running (sudo liting<br>list -k) and have one UST process running (e.g. from liting-looks git  | 9  |   |  |  |  |  |  |  |
| 14.2 Preparation   | for the tests selver Ubustin restricts with LTTsp_1 it needs for (refs. logs) to dis 2.3 by registed. Either cests NM metable ground (e.g., or virtualized) or install it locally on your relieve Ubustin (if correct version). Make seven that the root season diseason in surroll good little, list 4) and have one UST process running (e.g. from liting-tools git repealizery under testshwilloc.2s).  1) Connect to remote host 12 Corest or excellent of the control of the contr |  |   |  |  |  |  |  |  |
| The Property of the Property o | A) Create line desired Print Session   | Verify that default channel (channell) is create under domain UST global and that the corresponding event is created under the channel with state ENABLED.   |   |  |  |  |  |  |  |
|  |  | and that the corresponding event is<br>created under the channel with state  |   |  |  |  |  |  |  |
|  | 1) Select session and click right mouse button   | ENABLED.   |   |  |  |  |  |  |  |
|  | Select menu item Enable Events (detault channel)     Select UST  | Verify that Properties view shows<br>correct values for this event (Event  |   |  |  |  |  |  |  |
|  | 1) Select session and click right mouse button 2) Select mere item Trable Events (default channel) 3) Select UST 4) Select Radio button for "Inscepoint Events" 5) Select Radio button for "Inscepoint Events" 5) Select Gene Seapopoint 6) Enter filter expression on a event field 7) Click on UK 7  (1) Click on UK 7  (2) Click on UK 7  (3) Click on UK 7  (4) Select Research Resea     | Verify that Properties view shows comed values for this event (Event Type+TRACEPISHT. State=NABLED, Fiber-with fiber, Fiber-the actual expression in LTIng 2.8+) Verify that selected event is added under the selected channel.   |   |  |  |  |  |  |  |
| 14.3 Enable UST Event on session level   | 7) Click on 'Ok'   | 2.6+) RC<br>Verify that selected event is added  | CPTT Pass   |  |  |  |  |  |  |
|  | 1) Execute 14.3  | under the selected channel.  |   |  |  |  |  |  |  |
|  | Salect one US1 Inscapors event under Providers -= *US1 Process*     Salect insola form Trashle Event '   | correct values for this event (Event<br>TypesTBACEDCINT  |   |  |  |  |  |  |  |
|  | 5) Select newly create session and channel<br>6) Enter filter expression on a event field  | under the selected channel.  Verify that Properties view shows conect values for this event (Event Type=TRECEDINT, State=ENABLED, Filter-with filter, Filter-the actual expression in LTTng 2.5+)  |   |  |  |  |  |  |  |
| 14.4 Enable UST Event from provider  | 7) Click on 'Ok'<br>1) Start Tracing   | 2.8+) RC   | CPTT Pass   |  |  |  |  |  |  |
|  | 2) Stop Tracing after a view seconds<br>3) Import Trace to Project   | Make sure that only events are shown   |   |  |  |  |  |  |  |
| 14.5 Create trace  | 1) Execute 4-3.2 Throughpile conducted Problems -> 4/EST Process=2) Shade on extraor before 2) Shade on extraors before 3) Shade on extraors before 4) Shade may be present a few of the state of the st | Make sure that only events are shown in the events table that met the condition in the filter expressions Ma   | anual Pass  |  |  |  |  |  |  |
| 15 Create Session With Advanced Options LTTng v2.1)  | For the tests below a Ubuntu machine with 1 TTnn 2 1 installed hadde   |  |   |  |  |  |  |  |  |
|  | For the tests below a Ubuntu machine with LTTng 2.1 installed (with liting tools 2.1.1) in required. Either create a VM machine yourself (e.g., version). Make a sure that the root assain disease in interior global version). Make a use that the root assain disease in a interior global collection list 4-9 and have one UST process running (e.g. from liting-tools git repository under testshibilities.)   |  |   |  |  |  |  |  |  |
|  | version). Make sure that the root session deemon is running (sudo liting list -k) and have one UST process running (e.g. from liting-looks git   | 9  |   |  |  |  |  |  |  |
| 15.1 Prerequisites   | repository under tests/hello.cxx)  | After 2) verify that advanced options  |   |  |  |  |  |  |  |
|  |  | After 2) verify that advanced options<br>are shown (e.g. Trace Path, Protocol,<br>Address and Port)  |   |  |  |  |  |  |  |
|  | 1) Open Create Session Dialog box  | After 3) verify that advanced option are not shown and only basic options are  |   |  |  |  |  |  |  |
| 15.2 Create Session Dialog - Advanced Button   | 2) Select "Advanced PHH" 3) Select "KHH Basic"   | After 3) werly that advanced option are not shown and only basic options are these (Season Narre and Season Path).  Rtc. After 2) werly that data Protocol and data Adversa is enabled. Note that the ports carend be configured for not and ports are designed to consider the ports and ports are designed to consider the port and the second ports and the second ports are designed to the ports and the ports are designed to the ports are designed to the ports and the ports are designed to the ports and the ports are designed to the ports are designed to the ports and the ports are designed to the ports a | CPTT Pass   |  |  |  |  |  |  |
|  |  | After 2) verify that data Protocol and<br>data Address is enabled. Note that the   |   |  |  |  |  |  |  |
|  |  | ports cannot be configured for net and<br>net5 when this button is unchecked><br>not lest fields are disabled.   |   |  |  |  |  |  |  |
| Create Session Dialog - Check box "Use same protocol and   | Open Create Session Dialog box and select "Advanced >>>"     Uncheck checkbox"Use same protocol and address for data and control."   | After 3) Verify that data Protocol and   |   |  |  |  |  |  |  |
| Create Session Dialog - Check box "Use same protocol and address for data and control"   | Open Create Session Dialog box and select "Advanced >>>"     Undruck checkbor "Use same probool and address for data and control"     Oneck checkbor "Use same probool and address for data and control"     Oneck checkbor "Use same probool and address for data and control"     Open Create Session Dialog box and select "Advanced >>>"   | data Address are disabled RC<br>Verify that the Control protocol   | CPTT Page   |  |  |  |  |  |  |
| 15.4 Create Session Dialog - Protocol list   | Non-Control Control  | After 3) Verify that data Protocol and data Address are disabled Verify that the Control protocol dropdown menu ahous net, net5 and file RC After 2) verify that the data crotocol   | CPTT Page 1   |  |  |  |  |  |  |
| 15.5 Create Session Dialog - Protocol list 2   | Open Create Session Dislog box and select "Advanced >>>"     Uncheck checkbox "Use same protocol and address for data and control"   | After 2) werly has date persons and After 2) werly has date personal orderpower menu a shown ent. netfi. Kop and kopf.  After 2) werly had netfi is propagated by the date personal per | CPIT Pass   |  |  |  |  |  |  |
|  |  | After 2) verify that net5 is propagated to the data protocol and and that the  |   |  |  |  |  |  |  |
|  |  | data and control port test fields are<br>enabled   |   |  |  |  |  |  |  |
| 15.6 Create Session Dialog - Protocol propagation  | Open Create Session Dialog box, select "Advanced HHH"     Select nets for Control Protocol     Select nets for Control Protocol  | After 3) verify that file is propagated to<br>the data protocol and that the data and  | CATT TO SECOND  |  |  |  |  |  |  |
|  | Open Create Session Dialog box, select "Advanced HHH"  | After 2) verify that the IP address is   |   |  |  |  |  |  |  |
| 15.7 Create Session Dialog - Address propagation   | Open Create Session Dislog box and select "Advanced >>>"   | propagated to the data address field RC  |   |  |  |  |  |  |  |
|  | 1) Open Create Season Dislog box, saled "Advanced >>>" 2) Select and for Control Protection 2) Select and for Control Protection (1) Open Create Season Dislog box, saled "Advanced >>>" 2) Enter for Budsess in Control address 2) Extended Control Control Control Control Control 3) Select for the Control Control 3) Select for the Control protected and topif for dailer protect 3) Select for the same protection and doctors for data and control 4) Chrock checkbox in the same protection and doctors for data and control 4)   | After 4) make sure that both data and  |   |  |  |  |  |  |  |
| 15.8 Create Session Dialog - Profocol propagation 2  |  | After 4) make sure that both data and control protocol show net. RC Verify that the traces are stored on the remote host under . Implies thaces faces face and . Implies thaces a val "application(s)" repectively.  | CPTT Pass   |  |  |  |  |  |  |
|  |  | remote host under<br>ImpliestTraces/kernel and   |   |  |  |  |  |  |  |
|  |  | empress Traces/ust**application(s)*<br>repectively.  |   |  |  |  |  |  |  |
|  |  | After 2) make sure that the Session<br>Path in the Property View shows the   |   |  |  |  |  |  |  |
|  | 1) Open Create Session Dialog box and select "Advanced HHH"  | URL with the configured parameters   |   |  |  |  |  |  |  |
|  | 1) Open Create Seasion Dialog box and select "Advanced **** 2) Enter seasion name, select file protocol and enter directory ImplicatTraces in address field and press ok 3) Enable events, start tracing, wait for a few seconds, stop tracing  1) Traces over the control of the c  | Verify that the remote import dialog<br>box opens at step 4 (as described in   |   |  |  |  |  |  |  |
| 15.9 Create trace with file protocol   | District seems, start tracing, wait for a few seconds, stop tracing     Import traces to a existing tracing project     Destroy seesion.   | transfer the traces to the tracing   | CPTT Pass Need a human to fully test  |  |  |  |  |  |  |
|  | ay according according   | respectively.  After 2) make sure that the Season Plath is the Property View at house the UTC, with the conjugated parameters. Vierity that the remote a report disting too open as all they dis a described in transfer the traces to the tracing project.  But the property of the property of the property of the project of the property of the project of  | and a survey or buy was   |  |  |  |  |  |  |
|  |  | AmpitestTraces/newPath/kernel and<br>AmpitestTraces/newPath/ust/~applicati   |   |  |  |  |  |  |  |
|  |  | on(s)* repectively.  |   |  |  |  |  |  |  |
|  |  | Path in the Property View shows the  |   |  |  |  |  |  |  |
|  | Open Create Session Dialog box and select "Advanced ****     Enter assaion name, safect file protocol and enter directory /mp/tmp/traces/ in address field, enter /newPath in "Trace Path" fext field an   | Unit. We the comparise parameters of Verley that the remote import dislay box opens at they 4 fast described in transfer the location to the fracting project.  Whenly find this fraction are sitted on the Monthly and the fraction are sitted on the Monthly and the fraction are sitted on the Monthly and the fraction are considered as the Monthly and the fraction are considered and fraction are considered as the fra |   |  |  |  |  |  |  |
|  | (imports) is accress neit, erear insulven in "issue year" sext neit an<br>press of.<br>3) Enable events, start tracing, wait for a few seconds, stop tracing   | box opens at step 4 (as described in<br>test cases 11.x) and it is possible to   |   |  |  |  |  |  |  |
| 15.10 Create trace with file protocol and trace path   | Import traces to a existing tracing project     Destroy session  | transfer the traces to the tracing project. RC   | CPTT Pages Need a human to fully test   |  |  |  |  |  |  |
|  |  | Very set the traces are stored on the<br>Eclipse local machine under<br>home/suser name/Phys.  |   |  |  |  |  |  |  |
|  |  | traces/-remote machine<br>nameh/-session name + dateh/kernel   |   |  |  |  |  |  |  |
|  |  | and frome!*user name!*fiting-<br>traces!*remote machine  |   |  |  |  |  |  |  |
|  |  | rame++session name +<br>date+lust*application(s)+ repectively.   |   |  |  |  |  |  |  |
|  |  | After 3) make sure that the Session<br>Path in the Property View shows the<br>URL with the configured parameters   |   |  |  |  |  |  |  |
|  |  | URL with the configured parameters   |   |  |  |  |  |  |  |
|  | 1) pear resys on Eclipse local machine (detault settings: liting-relayd) 2) Open Create Session Dislog box and select "Advanced I+++"  3) Enter session pears select net represent an extension pears select the select to the se  | weer o) vierify that dialog box for<br>selecting a tracing project is opened<br>that after selection a   |   |  |  |  |  |  |  |
|  | 1) Joan newyo on Loopes local macune (losses seeings; integ-reasys) 2) Open Chaste Session Dalog box and select "Advanced him". 3) Enfar session name, select net protocol and enter IP address of Eclipse local reachine in address field and press of the Chaste sevents, start fracing, wall for a few seconds, stop tracing 5) import hasons to a estating funcing project.  | URL with econolizated parameters.  After 5) Weithy that doub to be to selecting a six-city project in opporer of the after selecting a proposal and water of opens. There weight has it is proceeded to selected the basic to be march project.  All the selection of |   |  |  |  |  |  |  |
| 15.11 Create trace with net protocol   | 5) Import traces to a existing tracing project<br>6) Destroy session   | possible to transfer the traces to the tracing project. Ma   | anual Pass  |  |  |  |  |  |  |
|  |  | Verify that the traces are stored on the<br>Eclipse local machine under  |   |  |  |  |  |  |  |
|  |  | mome-ruser name/riting-<br>traces/viernote machine   |   |  |  |  |  |  |  |
|  |  | and fromel-luser name/sting-<br>traces/-remote machine   |   |  |  |  |  |  |  |
|  |  | name+/*session name +<br>date+/ust/*application(s)+ repectively.   |   |  |  |  |  |  |  |
|  |  | After 4) make sure that the Session  |   |  |  |  |  |  |  |
|  | Uncheck checkbox "Use same protocol and address for data and control"     Start relayd on Ecipse local machine with specified ports (ting-relayd-C   | After 4) make sure that the Session<br>Path in the Property View shows the<br>URL with the configured parameters   |   |  |  |  |  |  |  |
|  | 3) Open Create Session Dislog box and select "Advanced HHA" 4) Desired Tips same protocol and affirms for risks and control  | After 6) Verify that dialog box for<br>selecting a tracing powert is measured  |   |  |  |  |  |  |  |
|  | 5) Enter session name, select top protocol and enter IP address of Eclipse<br>local machine in address field, specify data and control ports and cress ok  | that after selecting a project and<br>pressing rest the default trace import   |   |  |  |  |  |  |  |
|  | Enable events, start tracing, wait for a few seconds, stop tracing     Import traces to a existing tracing project   | wizard opens. Then verify that it is<br>possible to transfer the traces to the   |   |  |  |  |  |  |  |
| 15.12 Create trace with top protocol and port<br>15.13 Use Steaming Session (UST) - Initial Implementation<br>15.14 Live Steaming Session (Kernel) - Initial Implementation  | TIL-bride of architect has ease provide any advanta for data accountry. If See straight of Chips and seather the things and country to the seather of the se | After of Newfard dialog box for<br>saleding a tracing project is opened<br>that after selecting project and<br>pressing next the default trace import<br>sected opens. Then vestly that it is<br>possible to transfer the traces to the<br>Vestly that session is created<br>500<br>Vestly that session is created<br>500  | aroual Pass IVTBot NIA Implementation disabled for 2.0 IVTBot NIA Implementation disabled for 2.0 |  |  |  |  |  |  |
| 15.14 Live Streaming Session (Kernel) - Initial Implementation  16 Preferences   | Start relayd on Eclipse local machine (default settings: lttng-relayd)   | verry that session is created SV   | v rock rvA implementation disabled for 2.0  |  |  |  |  |  |  |
| 16 Proferences   |  | Vertify that becar control preferences Logging, Log File jahrey, disabled, Logging,  |   |  |  |  |  |  |  |
| 16.1 Open Preference Dialog  | Open Preferences (Meru -> Preferences -> Tracing -> LTTrig Tracer Control Preferences).  In Tracer Control Priesences, check checkbox Logging.  In Tracer Control Priesences, uncheck checkbox Logging.  Execute 16.2 and execute some commands (e.g. create session, enable exert).   | Logging, Log File (sheays disabled), RC  | CPIT Pass   |  |  |  |  |  |  |
| 16.1 Open Preference Dialog<br>16.2 Enable Logging<br>16.3 Disable Logging   | in Iracer Control Prierences, check checkbox Logging<br>In Tracer Control Prierences, uncheck checkbox Logging   | verbose Level radio buttons will be RC<br>Verbose Level radio buttons will be RC   | CPTT Pass CPTT Pass   |  |  |  |  |  |  |
| 16.4 Test Logging level none   | Execute 16.2 and execute some commands (e.g. create session, enable event)   | sease sure that log file is created and contains the executed commands and po  | CPTT Page   |  |  |  |  |  |  |
|  | 1) Execute 16.2  | mand sure true og tile contains the<br>executed commands with -v option (e.<br>c. ting -v create session) and the  |   |  |  |  |  |  |  |
| 16.5 Test Verbose Logging (Level 1)  | 1) Execute 16.2 2) select verbose level Level 1 3) Execute some commands (e.g. create session, enable event)   | command replies come with debug RC   | CPTT Pass. This makes no difference for fill starting with Liting 2-8                             |  |  |  |  |  |  |
|  | 1) Execute 16.2  | executed commands with -vv option<br>(e.g. filing -vv create session) and the  |   |  |  |  |  |  |  |
| 15.5 Test Verbose Logging (Level 2)  | select verbose level Level 2     Discuss some commands (e.g. create session, enable event)   | command replies come with debug RC   | CPTT Pass This makes no difference for till starting with Lting 2-8                               |  |  |  |  |  |  |
|  | 1) Execute 16.2 2) select verbose level Level 3 3) Execute some commands (e.g. create session, enable event)   | executed commands with -vvv option<br>(e.g. filing -vvv create session) and the  |   |  |  |  |  |  |  |
| 16.7 Test Verbose Logging (Level 3)  | 2) serect verbose level Level 3 3) Execute some commands (e.g. create session, enable event)   | command replies come with debug RC   | CPTT Pass This makes no difference for hill starting with Ltmg 2-8                                |  |  |  |  |  |  |
|  |  |  |   |  |  |  |  |  |  |

|  |  | Months that become product professiona   |  |   |  |  |  |  |
|--|--|--|--|---|--|--|--|--|
| 16.8 Append Mode   | Check checkbox Append, restart Eclipse and open Tracer Control<br>Preferences  | Verify that tracer control preferences<br>are pensisted and the log file is opened<br>in append mode (off file is not<br>Verify that little command is executed<br>with command line option-g 'group'-<br>ignose any command reply errors (if  | BCDTT Press  |   |  |  |  |  |
| Total Apparit Michigan   | Presental Control of the Control of        | Verify that liting command is executed with command line online a signal in  | W. 1   |   |  |  |  |  |
| 16.9 Change Tracing Group  | Change Tracing group (e.g. tracing2) and execute a command (while logging enabled)   | Ignore any command reply errors (if  | RCPTT Pass   |   |  |  |  |  |
| 16.10 Change execution timeout   | Go to Remote Connection Preferences, Change Timeout  | After verify that values arraiter than 5 and bigger than 500 are rejected  | RCPTT Pass   |   |  |  |  |  |
| 15.11 Reset  | Reset to defaults  | deselected, Append is deselected,<br>Verbose Level+None), and Command  | DCDYT Dog  |   |  |  |  |  |
| 17 Create Channel with advance features (LTTrg 2.2 feature   |  |  | WHI PAGE   |   |  |  |  |  |
| 77 Crass College and State College Living 22 value   | Por the tests below a Ulturitu machine with LTTing 2.2 installed (with<br>liting tools 2.2.5) is required. Other create a VM machine yourself (e.g.,<br>version). Make sure that the root easiend externo in surring (gudo litte,<br>list 4-0 and have one UST process number (e.g., from liting-tools git<br>repeating under testafullion cast).  |  |  |   |  |  |  |  |
|  | on Virtualbox) or install it locally on your native Ubuntu (if correct<br>version). Make sure that the root session deemon is running (sudo litte  | ng .   |  |   |  |  |  |  |
| 17.1 Prerequisites   | list -k) and have one UST process running (e.g. from liting-looks git<br>repository under tests/hello.cxx).  |  |  |   |  |  |  |  |
|  |  | Verify after 3) that 'Channel Name' is<br>set to metadata and the correspondig   |  |   |  |  |  |  |
|  | 1) Create and select session and click right mouse button 2) Select menus item Trasble Channel 3) Select Checkbox Configure metadata channel 4) Update all text boxes 5) Click or CK   | metadata channel was created under   |  |   |  |  |  |  |
|  | Update all text boxes     Click on 'Dir'   | properties view that all parameters are<br>set correctly when selection the  |  |   |  |  |  |  |
| 17.2 Configure Metadata channel (kernel)   |  | channel metadata.<br>Verify after 3) that 'Channel Name' is  | RCPTT Page   |   |  |  |  |  |
|  |  | set to metadata and the correspondig<br>textbox is disabled. Verify after 5) that  |  |   |  |  |  |  |
|  |  | Verify after 3) that "Channel Name" is ast to metadate and the consequencing technics in disable. Verify after 5 that section is disable. Verify after 5 that the kindle of the kernel domain. Also verify in the proporties were find all parameters are channel restaudate. All the verify in the channel restaudate. Werely after 3) that "Channel Name" is channel restaudated. Verify after 3) that channel is described to disabled. Verify after 3) that is accorded under the channel LST global. Also verify in the channel  |  |   |  |  |  |  |
| 17.3 Configure Metadata channel (UST)  | 1) No do 172 with ALST clared 1) Desired and real field makes and cloth days make failure. So that the clare and cloth days make failure failure and cloth days make failure failu       | are set consetty when selection the  | RCPTT Pass   |   |  |  |  |  |
|  | Select menu item Enable Channel*     Fill in channel name  |  |  |   |  |  |  |  |
|  | S) Fill in 10463/6 in Maximum number of trace files'     To link on 106'   | After 5) verify on the trace node that   |  |   |  |  |  |  |
| 17.4 Configure File rotation (kernel)  | 7) Enable all kennel events<br>5) Start, wait and also tracing.  | After 5) verify on the trace node that trace files are not bigger than 1046576 bytes   | RCPTT Pass   |   |  |  |  |  |
|  | Create and select session and click right mouse button     Select menu item Enable Channel"  |  |  |   |  |  |  |  |
|  | Select UST     Still in 292-144 in "Maximum size of trans files" and also "Sub Buffer Size"  |  |  |   |  |  |  |  |
|  | 5) Fill in 2 in 'Maximum number of trace fleatiles' 7) Click on 'Ok'   | After 9) verify on the trace node that   |  |   |  |  |  |  |
| 17.5 Configure File rotation (ust)   | Enable at UST events     Start, wait and stop tracing.   | trace files are not bigger than 252144<br>bytes  | RCPTT Pass   |   |  |  |  |  |
|  |  | After 5) werify on the trace node that trace lists are not bigger than 20144 bytes. Werly site 2 and 4 that the raido buttons for the Staffer type is disabled and the buffer type "Clobal shawed buffers" in selected which in the walker buffers in selected which in the walker buffers in selected which in the walker buffers in selected are no buffer type is selected.   |  |   |  |  |  |  |
|  | Create and select session and click right mouse button     Select menu item Traible Channel     Select UST     Select Kernel     Select Kernel     Select Cennol   | and the buffer type "Global shared<br>buffers" is selected which is the value<br>for the learner tracer.   |  |   |  |  |  |  |
|  | 4) Sect Xernel<br>5) Sect cancel   | Verify after 3) that the radio buttons<br>are enabled an no buffer type is   |  |   |  |  |  |  |
| 17.5 Buffer Type - toggle UST/kernel   | Create and select session and click right mouse button   | selected   | RCPTT Page   |   |  |  |  |  |
|  | 1) Create and select season and click right mouse button 2) Select menus item Trasble Channel* 3) Select UST 4) Enter Channel Name 5) Select UV CV   | Verify after 5) that the default buffer<br>type is configured for that channel (see  |  |   |  |  |  |  |
| 17.7 Default UST Buffer Type   | 4) Ener Channel Name<br>5) Select 'Ok'   | Verify after 5) that the default buffer<br>type is configured for that channel (see<br>properties view). Note for LTTrig Tools<br>2.2 the default is per-PID and for<br>LTTrig Tools 2.3 and later it is per-UID   | BCDIT Pers   |   |  |  |  |  |
|  | Prequisite: Multiple UST Applications need to run<br>1) Create and select session and click right mouse button   |  |  |   |  |  |  |  |
|  | 2) Select menu item Enable Channel 3) Select UST   |  |  |   |  |  |  |  |
|  | Select 'Per PID buffers'     Enter Channel Name  | Verify after 6) that the per-pid buffer  |  |   |  |  |  |  |
|  | o) search 'Ok'  5) Enable all use events  5) Start uset and who trainer  | Verify after 5) that the per-pid buffer<br>type is configured for that channel (see<br>properties view). After 10) make sure<br>that for each UST application one<br>trace is created  |  |   |  |  |  |  |
| 17.8 per PID UST Buffer Type   | 10) Import trace Pregulate: Multiple UST Applications need to run  | trace is created   | Manual Pass  |   |  |  |  |  |
|  | Create and select session and click right mouse button     Select menu item Enable Channel   |  |  |   |  |  |  |  |
|  | 3) Select UST<br>4) Select 'Per UID buffers'   |  |  |   |  |  |  |  |
|  | 5) Enter Charles Name<br>6) Select 'Ok'<br>3) Enable all cut awards  | verny after 5) that the per-pid buffer<br>type is configured for that channel (see<br>properties view). After 10) make   |  |   |  |  |  |  |
| 17.9 per UID UST Buffer Type   | IS Share CV Prevalent May See 1 Applications need to not<br>Prevalent May See 1 Applications need to not<br>10 Application of the Contract. If note that<br>20 Application of the Contract of the Co | Verify after 6) that the per-pid buffer<br>type is configured for that channel (see<br>properties view, After 10) make sure<br>that only one trace is created even<br>multiple UST applications are running.   | Manual Page  |   |  |  |  |  |
| 18 Snapshot Channel (LTTng 2.3 features) Preparation   |  |  |  |   |  |  |  |  |
| Preparation  | Connect to a node with LTTng 2.3 installed   | Verty that new session is added under the Session tee node. Verty properties in Properties view (by selecting the season tee (high session tee) Session new ("high session") Session news ("high session") Session hard ("high session") Session news ("high session") Session Part ("high session") Session Part ("high session") Session Part ("high session") and State ("high se   |  |   |  |  |  |  |
|  |  | the Session tree node. Verify properties in Properties view (by  |  |   |  |  |  |  |
|  |  | selecting the session in the Control view):  |  |   |  |  |  |  |
|  |  | Snaphshot ID' (+1) Snaphshot ID' (+1) Snaphshot Name' (supanahot, 1)   |  |   |  |  |  |  |
|  |  | Session Path'<br>(*fhome/vuser*/traces/MySession +d  |  |   |  |  |  |  |
|  | Click right mouse button on "Sessions"     Select 'Create Session. "In the context sensitive menu     State session norm hybrosion", leap Session Path' empty     Select checkbor "Sespithot Model     Select Checkbor "Sespithot Model     Select Checkbor "Sespithot Model     Select Checkbor Sespithot Model     Sespithot Sesp            | ate and time*) and 'State'<br>(*INACTIVE)  |  |   |  |  |  |  |
| W. Court County County   | cheer session name MySession*, keep 'Session Path' empty     Select checkbox 'Snapshot Mode'   | Make sure that the button and menu   | BCDYT BCDYT  |   |  |  |  |  |
| 15.1 Create Snapshot Session<br>15.2 Enable Kernel Event   | Enable all Kernel Tracepoint and syscall events  | Make sure that the button and menu-<br>tient Tecord Snapshof is enabled<br>Verify that channel and events a<br>Verify that Channel and events a<br>VECTIVE icon. Verify that properly<br>view shows 'ACTIVE' for the session<br>state  | RCPTT Pass   |   |  |  |  |  |
|  |  | 'ACTIVE' icon. Verify that property<br>view shows 'ACTIVE' for the session   |  |   |  |  |  |  |
|  |  | state  |  |   |  |  |  |  |
|  | a) Select session and circles on buffen 'Starf'  | Make sure that the button and menu-<br>tiem "Record Snapshot" is enabled.<br>Also make sure that the Button and<br>menu-item "import" is enabled.  |  |   |  |  |  |  |
| 15.3 Start Session   | Select session and clock on button 'Start'     Nedo test with context sensitive menu item 'Start'     select session and record 2 arepativit: Once with button 'Record Snapshot'     and once with context-sensitive menu item 'Record Snapshot'   | menu item 'Import' is enabled.   | RCPTT Pass   |   |  |  |  |  |
| 18.4 Record anapshot   |  | Commands succeed without error<br>Make sure that anapahot session is   | RCPTT Pass   |   |  |  |  |  |
| 18.5 Create another anapahot session<br>18.6 Enable UST Events<br>18.7 Start UST session   |  | Make sure that anapahot session is   |  |   |  |  |  |  |
| 18.7 Shart LIST session  | session name ustSession (as described in 18.1) Enable all UST events   | Make sure that anapahot session is<br>created successfully<br>Vestly that channel and events a   | RCPTT Pass RCPTT Pass  |   |  |  |  |  |
|  | session name utilitiession (as described in 18.1)  Enable at UST events  see 13.3  Select kernel and ust session (see 18.1 and 18.5) and click on 'Record'   | Verify that channel and events a<br>see 15.3   | RCPTT Page<br>RCPTT Page<br>RCPTT Page   |   |  |  |  |  |
| 18.8 Record anapahot over multiple sessions  | session name utilizacion (sa described in 18.1) Emble all UST events see 16.2 Select harmet and ust session (see 18.1 and 18.5) and click on Record anapallof button   | Verify that channel and events a<br>see 15.3   | RCPTT Page<br>RCPTT Page<br>RCPTT Page   |   |  |  |  |  |
|  | Open Import dialog (see 11.2)  | created successfully Vently that channel and events a see 95.3  Command succeeds without error Vently that 4 snapshots are available (3 terms and 1057). Verify that all   | RCPTT Page<br>RCPTT Page<br>RCPTT Page   |   |  |  |  |  |
| 15.5 Record anapshot over multiple sessions 15.9 Import traces 15.10 Stop and destroy sessions   | Open Import dialog (see 11.2)  | created successfully Vently that channel and events a see 95.3  Command succeeds without error Vently that 4 snapshots are available (3 terms and 1057). Verify that all   | RCPTT Page<br>RCPTT Page<br>RCPTT Page   |   |  |  |  |  |
| 15.5 Record anapshot over multiple sessions 15.9 Import traces 15.10 Stop and destroy sessions   | Open Import dialog (see 11.2)  | created successfully<br>Verify that charrel and events a<br>see 55.3   Command succeeds without error<br>Verify that 4 receptions are available<br>to see the command of 10.71 Very that as<br>supplies and imported to the selected<br>Verify that sessions are destroy<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully   | REPTT Pass REPTT Pass REPTT Pass REPTT Pass  |   |  |  |  |  |
| 18.8 Percord anapathot over multiple sessions 18.50 Import traces 18.10 Stop and destroy sessions 18.11 Network enapathot session is inactive 18.12 Record appathot when session is inactive   | Open Import dialog (see 11.2) Stop and deathly both assistins 1) Start relayd on Edges local machine (default settings: litting-relayd) 2) Open Create Session Dialog box, select Snapshot Model and select  | created successfully  Vestly that Character large ventris a  see 15.3  Command succeeds without error  Vestly that 4 anapshobs are smithful  1 formal and 15.31, Vertry that all  2 formal and 15.31, Vertry that all  3 formal and 15.31, Vertry that all  2 formal and 15.31, Vertry that all  3 formal and 15.31, Vertry that all  3 formal and 15.31   | RCPTT Pass RCPTT Pass RCPTT Pass RCPTT Pass RCPTT Pass STORY Pass VOTES Pass VOTES Pass  |   |  |  |  |  |
| 18.5 Record snepshot over multiple sessions 18.5 Import traces 18.10 Step and dealtroy sessions 18.11 Network snepshot session 18.11 Li Record snepshot when session is inactive 19 Command Script   | Open Import dialog (see 11.2) Stop and deathly both assistins 1) Start relayd on Edges local machine (default settings: litting-relayd) 2) Open Create Session Dialog box, select Snapshot Model and select  | created successfully  Vestly that Character large ventris a  see 15.3  Command succeeds without error  Vestly that 4 anapshobs are smithful  1 formal and 15.31, Vertry that all  2 formal and 15.31, Vertry that all  3 formal and 15.31, Vertry that all  2 formal and 15.31, Vertry that all  3 formal and 15.31, Vertry that all  3 formal and 15.31   | RCPTT Pass RCPTT Pass RCPTT Pass RCPTT Pass RCPTT Pass STORY Pass VOTES Pass VOTES Pass  |   |  |  |  |  |
| 15.5 Record snegative over multiple sessions 15.0 Import haces 15.10 Stop and destroy wassions 15.10 Record snegative session in 15.12 Record snegative session in tractive 15.12 Record snegative session in tractive 15.12 Record snegative session in tractive 15.12 Security of the session in tractive 15.13 Execution command display  | Open Import disking (see 11.2) Step part disking with associate 1) Step red of disking with associate 1) Step red of disking with associate (shade assisted they release) 1) Step red of disking the step of disking assisted the step red for disking the step of disking       | resided successfully<br>seem 18.3 December of overta a<br>seem 18.3 December of the seem of the<br>Command successful without empt<br>(3 with seem of UST) Nerty that all<br>anaphabits are related to the salicities<br>anaphabit are related to the salicities<br>suspection are destroy<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully | ROTT FOR ROT |   |  |  |  |  |
| 18.2 Record enceptual over multiple sessions 19.3 Import secon 19.3 They have been selected as the second session session in 18.1.1 National enceptual session 18.1.1 National enceptual session in nacions 19.5 Comment Script 19.1 Executed comment dupt 19.5 Session Services   | Open Import disking (see 11.2) Step part disking with associate 1) Step red of disking with associate 1) Step red of disking with associate (shade assisted they release) 1) Step red of disking the step of disking assisted the step red for disking the step of disking       | resided successfully<br>seem 18.3 December of overta a<br>seem 18.3 December of the seem of the<br>Command successful without empt<br>(3 with seem of UST) Nerty that all<br>anaphabits are related to the salicities<br>anaphabit are related to the salicities<br>suspection are destroy<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully | ROTT FOR ROT |   |  |  |  |  |
| 18.5 Record snepshot over multiple sessions 18.5 Import traces 18.10 Step and dealtroy sessions 18.11 Network snepshot session 18.11 Li Record snepshot when session is inactive 19 Command Script   | Open Import disking (see 11.2) Step part disking with associate 1) Step red of disking with associate 1) Step red of disking with associate (shade assisted they release) 1) Step red of disking the step of disking assisted the step red for disking the step of disking       | resided successfully<br>seem 18.3 December of overta a<br>seem 18.3 December of the seem of the<br>Command successful without empt<br>(3 with seem of UST) Nerty that all<br>anaphabits are related to the salicities<br>anaphabit are related to the salicities<br>suspection are destroy<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully | ROTT FOR ROT |   |  |  |  |  |
| 14.5   Tour of regard over multiple seasons  | Open Import disking (see 11.2) Step per disking with associate 1 (See regard of select with associate 1) (See regard of select with associate (select associate, they relead) 1) (See regard of select charge between the select throughout finder and select 1) (See regard of select charge between the select throughout finder and select 1) (See a command script to create a session with items and set out overthe associated.  | resided successfully<br>seem 18.3 December of overta a<br>seem 18.3 December of the seem of the<br>Command successful without empt<br>(3 with seem of UST) Nerty that all<br>anaphabits are related to the salicities<br>anaphabit are related to the salicities<br>suspection are destroy<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully<br>successfully | ROTT FOR ROT | _ |  |  |  |  |
| 1.5   Product regards our multiple seasons   | Open treport disting (see 11.2).<br>Day and desire both seasons.<br>See a see that the season of the sea   | could discontinued.  The Board of the Board  | RESTIT FAME RESTIT | _ |  |  |  |  |
| 14.5   Tour of regard over multiple seasons  | Com in orange and many (see 11.2)  The many delivering the contraction (which a strings through onlying the contraction (which a strings through onlying the contraction of the contract       | when the contract are set to a second and the contract are set to 3.2  Comments outcomed without early contract are set to 3.2  Comments outcomed without his set to 3.2  Long to 1.2  Long   | NOTITY THE STATE OF THE STATE O |   |  |  |  |  |
| 1.5   Product regards our multiple seasons   | Com in orange and many (see 11.2)  The many delivering the contraction (which a strings through onlying the contraction (which a strings through onlying the contraction of the contract       | when the contract are set to a second and the contract are set to 3.2  Comments outcomed without early contract are set to 3.2  Comments outcomed without his set to 3.2  Long to 1.2  Long   | NOTITY THE STATE OF THE STATE O |   |  |  |  |  |
| 1.5. Proof report over multiple seasons 1.5. Imper become 1.5. Imper become 1.5.1 Notes the report season 1.5.1 Notes the report season 1.5.1 Notes the report season 1.5.1 Season season of the report 1.5 Event season of the report 1.5 Event season of the report 1.5 Event season | Com in orange and many (see 11.2)  The many delivering the contraction (which a strings through onlying the contraction (which a strings through onlying the contraction of the contract       | when the contract are set to a second and the contract are set to 3.2  Comments outcomed without early contract are set to 3.2  Comments outcomed without his set to 3.2  Long to 1.2  Long   | NOTITY THE STATE OF THE STATE O | - |  |  |  |  |
| 14.5   Transis of section  | Com in orange and many (see 11.2)  The many delivering the contraction (which a strings through onlying the contraction (which a strings through onlying the contraction of the contract       | when the contract are set to a second and the contract are set to 3.2  Comments outcomed without early contract are set to 3.2  Comments outcomed without his set to 3.2  Long to 1.2  Long   | NOTITY THE STATE OF THE STATE O |   |  |  |  |  |
| 18.2   Property forces   | Cymn Ingard chaing (see 11.2)  they and desire from measurements (which at strings, this ordered in the company of the company       | Section of an advantage of the control of the contr   | Marie   Mari   |   |  |  |  |  |
| 14.5   Tourn despited over multiple seasons  | Cymn Ingard chaing (see 11.2)  they and desire from measurements (which at strings, this ordered in the company of the company       | whether the contract and the contract are set \$3.2  Comments and comments without empty and the contract are set \$3.2  Comments and comments without the contract are contract and contract and contract are contract and contract   | Marie   Mari   |   |  |  |  |  |
| 18.2   Transfer regards over multiple seasons  | Cymn Ingard chaing (see 11.2)  they and desire from measurements (which at strings, this ordered in the company of the company       | whether the contract and the contract are set \$3.2  Comments and comments without empty and the contract are set \$3.2  Comments and comments without the contract are contract and contract and contract are contract and contract   | Marie   Mari   | = |  |  |  |  |
| 14.6. Proceed regards one multiple seasons 14.9 Import season 14.1 Import season 14.2 Proceed season 14.2 Reseason 14 | Come Inquest challeng (see 11.2)  The analysis of the Committee of the Com       | whether the contract and the contract are set \$3.2  Comments and comments without empty and the contract are set \$3.2  Comments and comments without the contract are contract and contract and contract are contract and contract   | Marie   Mari   |   |  |  |  |  |
| 14.6 The order supplied seasons 14.1 The order supplied seasons 14.2 Seasons order 14.2 Seasons order 14.2 Seasons order 14.2 Seasons 14.2  | Come Inquest challeng (see 11.2)  They and where the common common (which a strings thing entire of the common common (which a strings thing entire of the common common (which a strings thing entire of the common       | when the channel of t   | Marie   Mari   | - |  |  |  |  |
| 14.6 The order supplied seasons 14.1 The order supplied seasons 14.2 Seasons order 14.2 Seasons order 14.2 Seasons order 14.2 Seasons 14.2  | Come Inquest challeng (see 11.2)  They and where the common common (which a strings thing entire of the common common (which a strings thing entire of the common common (which a strings thing entire of the common       | when the channel of t   | Marie   Mari   |   |  |  |  |  |
| 14.6 The order supplied seasons 14.1 The order supplied seasons 14.2 Seasons order 14.2 Seasons order 14.2 Seasons order 14.2 Seasons 14.2  | Come Inquest challeng (see 11.2)  They and where the common common (which a strings thing entire of the common common (which a strings thing entire of the common common (which a strings thing entire of the common       | when the channel of t   | Marie   Mari   | _ |  |  |  |  |
| 14.6. Proceed respect from multiple seasons 14.9. Import season 14.1. Information respect season 14.1. Information respect season 14.1. Information respect season 14.1. Information respect 14.1. Execute seasons Information 14.1. Execute seasons of the season process 14.1. Execute seasons 14.2. Seasons 14.1. Execute seasons 14.1. | Come Inquest challeng (see 11.2)  They and where the common common (which a strings thing entire of the common common (which a strings thing entire of the common common (which a strings thing entire of the common       | when the channel of t   | Marie   Mari   |   |  |  |  |  |
| 1.0.2 Proceed required over multiple seasons 1.0.3 Import brown 1.0.1 Report descriptions assessment 1.0.1 Report descriptions assessment 1.0.1 Report descriptions 1.0.1 Execute seasons in bandon 1.0.1 Execute seasons of prof. 1.0.1 Execute seasons of prof. 1.0.1 Execute seasons 1.0.2 Generation (Prof.) 1.0.2 Seasons (Prof.) 1.0.3 Execute prof. (Prof.) 1.0.3 Execute prof. (Prof.) 1.0.3 Execute (Prof.) 1.0.3 Import profits (Prof.) 1.1 Import profits (Prof.) 1.1 Execute (Prof.) 1.2 Contain profits 1.1 Execute (Prof.) 1.2 Contain profits 1.3 Execute (Prof.) 1.3 Execute (Prof.) 1.3 Execute (Prof.) 1.4 Execute (Prof.) 1.5 Execu | Come Inquest challeng (see 11.2)  They and where the common common (which a strings thing entire of the common common (which a strings thing entire of the common common (which a strings thing entire of the common       | when the common was a second or common was a second or common when the common was a second or common when the common was a second or comm   | RESTIT PARA RESTIT |   |  |  |  |  |
| 10.5   Transport from   10.5   Transport from   10.5   Transport from   10.1   | Come Inquest challeng (see 11.2)  They and where the common common (which a strings thing entire of the common common (which a strings thing entire of the common common (which a strings thing entire of the common       | when the common was a second or common was a second or common when the common was a second or common when the common was a second or comm   | RESTIT PARA RESTIT |   |  |  |  |  |
| 14.5   Import support one multiple seasons   | Come in control and game 11.3)  Come and changing and come and control and come and control and come a       | when the common was a second or common was a second or common when the common was a second or common when the common was a second or comm   | RESTIT PARA RESTIT |   |  |  |  |  |
| 10.5   The control of the control    | Come in control and game 11.3)  Come and changing and come and control and come and control and come a       | when the common was a second or common was a second or common when the common was a second or common when the common was a second or comm   | RESTIT PARA RESTIT |   |  |  |  |  |
| 14.0   | Corn in record shall give 11.3)  Corn and charge per control and per 11.3  Corn and charge per control and corn and charge through the charge of the charge        | when the common and co   | RESTIT PARA RESTIT |   |  |  |  |  |
| 14.0   | Corn in record shall give 11.3)  Corn and charge per control and per 11.3  Corn and charge per control and corn and charge through the charge of the charge        | when the common and co   | RESTIT PARA RESTIT |   |  |  |  |  |
| 18.2   Properties  | Corn in record shall give 11.3)  Corn and charge per control in the control of th       | when the common and co   | RESTIT PARA RESTIT |   |  |  |  |  |
| 18.2 Proceed respect over multiple seasons 19.3 Import become 19.1 The beauth respects seasons 19.1 The beauth respects seasons 19.1 The beauth respects seasons 19.1 The beauth respects 19.1 Earning seasons 19.2 Earning seasons 19.3 Earning | Corn in record shall give 11.3)  Corn and charge per control in the control of th       | when the common and co   | RESTIT PARA RESTIT |   |  |  |  |  |
| 1.5.   Proceedings   Procedings  | Corn in record shall give 11.3)  Corn and charge per control in the control of th       | when the contract of the contr   | RESTIT PARE RESTIT |   |  |  |  |  |
| 14.6 Month despited over multiple seasons 14.1 Nevent density seasons 14.2 Nevent density seasons 14.2 Nevent density seasons 14.1 Season density seasons 14.1 Season density seasons 14.1 Season density seasons 15.1 Season density seasons 16.1 Nevent dens | Come in control and game 11.3)  Come and changing and come and control and come and control and come a       | when the contract of the contr   | RESTIT PARE RESTIT |   |  |  |  |  |

| 23 LTTng UST per syscall (LTTng 2.6)           |  |  |            |         |
|--|--|--|------------|---------|
| 1 Prereculaites                                | For the tests below a Ubuntu machine with Iting tools 2.6x is required.<br>Other create a Will machine yourself (e.g., or Whatablov) or restal is<br>locally on your native Ubuntu (if correct version). Make sure that the<br>root assumed deamon is content guard frag list 4x) and have one UST<br>processo running (e.g. from Iting-tools gif expository under testshribt. |  |            |         |
| 2 Preparation                                  | 1) Connect to remote host<br>2) Create new Session 'MySexsion'   |  |            |         |
| 3.3 Enable selected available                  | Open Enable Event Dialog, select Kernel     Select syscalls     In the tes, select selected syscalls     Select Ok.  | Verify that the selectetd syscalls are<br>added added under the Kernel Domain<br>and relevant channel. | SWITBot Po |         |
| destroy session                                |  |  |            |         |
| 4 Enable all syscalis                          | Open Enable Event Dialog, select Kernel     Select Syscalis  | Verify that the selectetd syscalls are<br>added added under the Kernel Domain                          | SWITBot P  | <u></u> |
| 24 JUL, Log4J, Python Logger                   |  | _  | _          |         |
| 1 Configure JUL tracing session (LTTing 2.6)   | Configure JUL tracing session<br>using tree and event name   | verify that session is configured correctly  | SWITBot Po | Pass    |
| 2 Configure Log4J tracing session (LTTrg 2.6)  | Configure Log4J tracing session<br>using tree and event name   | verify that session is configured<br>correctly   | SWITBot Po | Pass    |
| 3 Configure Python tracing session (LTTng 2.7) | Configure Python tracing session<br>using tree and event name  | verify that session is configured<br>correctly   | SWTBot Po  | Para I  |

|          | Section                                | Pass  | Fail   | Automated | To Do Comments |   |
|----------|--|---|--|-----------|----------------|---|
|          | Flame Graph View                       | 19  | 0  | 11        | 0 0            |   |
| Target:  | Ubuntu 20.04.5 64-bit                  |   |  |           |                |   |
|          |  |   |  |           |                |   |
| Step     | Test Case                              | Action  | Verification   | Type      | Comment        |   |
| <u>0</u> | <u>Download the test resources</u>     | <u>Download this</u>  |  |           |                |   |
| 1        | Preparation                            |   |  |           |                |   |
| 1.1      | Open TMF Flame Graph View              | Use menu Window $\rightarrow$ Show View $\rightarrow$ Tracing $\rightarrow$ Flame Graph   | Verify that<br>'Flame Graph<br>View' view is<br>shown  | SWTBot    | Pass           |   |
| 1.2      | Import generic trace                   | Import a trace that does not have any call stack information, like a standard kernel trace  | Verify that<br>nothing is<br>shown in the<br>view  | SWTBot    | Pass           |   |
| 1.3      | Import cyg-profile trace               | Import the trace in the "trace" directory of the downloaded zip   | Verify that the<br>Flame Graph<br>View is<br>populated with<br>some<br>callers/callees<br>information. | SWTBot    | Pass           |   |
| 1.4      | Import cyg-profile-fast trace          | Import a trace in the "trace-fast" directory of the downloaded zip  | Verify that the<br>Flame Graph<br>View is<br>populated with<br>some<br>callers/callees<br>information. | SWTBot    | Pass           |   |
| 2        | Manage View                            |   |  |           |                |   |
| _        | manage view                            |   | Flame Graph'   |           |                |   |
| 2.1      | Close view                             | Close the 'Flame Graph' View  | view is removed from perspective   | SWTBot    | Pass           |   |
| 2.2      | Open view                              | Use menu Window $\rightarrow$ Show View $\rightarrow$ Other $\rightarrow$ Tracing $\rightarrow$ Flame Graph                       | Flame Graph' view is   | SWTBot    | Pass           |   |
|          |  |   | Verify that view is populated with callers/callees   |           |                |   |
| 2.3      | Open Trace                             | Open "trace(-fast)" trace   | information  | SWTBot    | Pass           |   |
| 2.4      | Open view when trace is already loaded | 1) Close 'Flame Graph' view 2) Open "glxgears-cyg-profile(-fast)" trace located in the git in ctf test 3) Open 'Flame Graph' view | Verify that view<br>is populated<br>with<br>callers/callees<br>information                             | SWTBot    | Pass           |   |
|          | Open Experiment                        | Open Experiment with 2 or more Flame Graph traces. (You can use both traces)  | Verify that view is populated with all callers/callees information (separated by trace).               | Manual    | Pass           | Automation Candidate Kyrollos: when mapping symbols for a trace in an experiment both traces in the experiment got mapped |

| Close all traces Close traces and experiment one by one from the editor tab  Close all traces Control traces Close all traces Control traces Close all traces Close all traces Control traces Contro | 2.6 | Restart              |   | is populated<br>with<br>callers/callees<br>from trace  | Manual | Pass |   |
|--|-----|----------------------|---|--|--------|------|---|
| 3.1 Thread name sorting  |     |                      |   | Flame Graph<br>view is cleared<br>after closing the  |        |      |   |
| Open a trace multiple Flame Graph thread or open experiment will 2 or more Flame Graph thread sort of thread name sorting thread name of the flame Graph thread sorting and thread name of the college of | 2.7 | Close all traces     | from the editor tab   | last trace   | Manual | Pass | Automation Candidate  |
| Open a trace multiple Flame Graph thread or open experiment will 2 or more Flame Graph thread sort of thread name sorting thread name of the flame Graph thread sorting and thread name of the college of | 3   | Sorting              |   |  |        |      |   |
| Thead id sorting or open experiment with 2 or moreFlame Graph traces. Then select 'Sort threads by thread id'  4 Synchronization  Select a random time in another view Interact of the Interac |     |                      | or open experiment with 2 or more Flame<br>Graph traces. Then select 'Sort threads by                 | sorted by thread   | Manual | Pass | Kyrollos: I don't know how to evaluate this since I don't have the process id neither the thread name |
| Select a random time in another view line is not updating. Nothing happen.  The flame chart view is populated - The flame chart view is synchronised to the range of the maximum call duration of the selected entry.  4.2 Go to maximum  4.3 Go to minimum  Select go to minimum  Select a random time in another view  In the 'Flame chart' view is synchronised to the range of the maximum call duration of the selected entry selecte | 3.2 | Thead id sorting     | or open experiment with 2 or moreFlame<br>Graph traces. Then select 'Sort threads by                  | sorted by thread   | Manual | Pass | Automation Candidate  |
| Select a random time in another view Inle is not updating. Nothing happen.  The flame chart view is populated - The flame chart view is synchronised to the range of the maximum call duration of the Flame Craph view, right-click on a random entry in the graph 3. Select go to minimum  4.2 Go to maximum  1. Open the 'flame chart' View 2. In the 'Flame Craph' view, right-click on a random entry in the graph 2. In the 'Flame Craph' view, right-click on a random entry in the graph 3. Select go to minimum'  4.3 Go to minimum  Automation Candidate  Pass  Pass  Automation Candidate  Pass  Automation Candidate  Pass  Automation Candidate  |     |                      |   |  |        |      |   |
| Select a random time in another view   Ine is not updating. Nothing happen.   Another view   Ine is not updating. Nothing happen.   In the flame chart view is sopoulated - The flame chart view is synchronised to the range of the maximum call duration of the 'Flame Graph' view, right-click on a random entry in the graph   3. Select go to maximum'   Selected entry   Selected en   | 4   | Synchronization      |   | Oalastad fina  |        |      |   |
| 4.2 Go to maximum  4.2 Go to maximum  4.5 Go to minimum  4.6 Go to minimum  4.7 In Flame chart' View  1. Open the 'flame chart' View  2. In the 'Flame Graph' view, right-click on a random entry in the graph  1. Open the 'flame chart' View  2. In the 'Flame Graph' view, right-click on a random entry in the graph  3. Select 'go to maximum'  4.2 Go to minimum  4.3 Go to minimum  4.3 Go to minimum  4.4 Go to minimum  4.5 Flame Graph' view, right-click on a random entry in the graph  3. Select 'go to minimum'  4.5 Go to minimum  4.6 Flame Graph' view, right-click on a random entry in the graph  3. Select 'go to minimum'  4.8 Go to minimum  4.9 Fass  Automation Candidate  Pass  Automation Candidate  | 4.1 | Time synchronization | Select a random time in another view  | line is not updating.  | Manual | Pass | Automation Candidate  |
| chart' view is populated - The flame chart view is synchronised to the range of the minimum call duration of the 'Flame Graph' view, right-click on a random entry in the graph 3. Select 'go to minimum'  Chart' view is populated - The flame chart' view is synchronised to the range of the minimum call duration of the 'Flame Graph' selected entry  Manual  Pass  Automation Candidate  |     |                      | 2. In the 'Flame Graph' view, right-click on a random entry in the graph                              | - The 'flame<br>chart' view is<br>populated<br>- The flame<br>chart view is<br>synchronised to<br>the range of the<br>maximum call<br>duration of the<br>'Flame Graph' |        | Pass |   |
| 5 Function name import   |     |                      | Open the 'flame chart' View     In the 'Flame Graph' view, right-click on a random entry in the graph | - The 'flame chart' view is populated - The flame chart view is synchronised to the range of the minimum call duration of the 'Flame Graph'                            |        |      |   |
| 5 Function name import   |     |                      |   |  |        |      |   |
|  | 5   | Function name import |   |  |        |      |   |

| 5.1 | Function name import       | Open the 'Call Stack' view with the 'Flame Graph' view and the cyg-profile trace opened     Import 'cyg-profile-mapping.txt' as mapping text file | Both 'Call Stack'<br>and 'Flame<br>Graph' views<br>display function<br>name instead of<br>function<br>address. | SWTBot | Pass |  |
|-----|----------------------------|---|--|--------|------|--|
| 5   | Mouse handling             |   |  |        |      |  |
| 5.1 | Mouse hover (empty region) | Hover mouse in time graph over empty region   | Tool tip shows depth only  | SWTBot | Pass |  |
|     |                            |   | Tool tip shows Total time and self times with standard   |        |      |  |
| 5.2 | Mouse hover (state)        | Hover mouse in time graph over state  | statistics.  | SWTBot | Pass |  |

|         | Section                      | Pass  | Fail   | Automated    |            |                         |                 |                     |                |    |
|---------|------------------------------|---|--|--------------|------------|-------------------------|-----------------|---------------------|----------------|----|
|         | GDB Tracing                  | 25  | 0  | 15           | 0          | 4                       |                 |                     |                |    |
| Target: | Windows                      |   |  |              |            |                         |                 |                     |                |    |
| Cton    | Tool Coop                    | Action  | Verification   | Turno        |            | Comment                 |                 |                     |                |    |
| Step    | Test Case                    | Get the trace file here https://drive.google.com/file/d/    |  | Type         | link and   |                         | aco is "traco ( | dat" the executable | ie "trace-vyyy | v" |
| 1       | Preparation                  | Get the trace me here https://drive.google.com/me/d/        | THIRAGE GLAG STATE OF THE STATE | rusp-silare_ | iiiik_aiiu | extract it. The ti      | ace is trace.   | dat the executable  | is trace-xyy   |    |
| 1.1     | Step 1                       | Open and reset the GDB Trace perspective                    | GDB Trace perspective opens with correct views   | Manual       | Pass       |                         |                 |                     |                |    |
| 1.2     | Step 2                       | Open Navigator View (used for independent verification)     |  | Manual       | Pass       |                         |                 |                     |                |    |
|         | Ctop 2                       | Open Navigator view (about or inappendent verification)     | Navigator view openie  | Manaai       | 1 400      |                         |                 |                     |                |    |
| 2       | Project Creation             |   |  |              |            | -                       |                 |                     |                |    |
| 2.1     | New Project Wizard           | Open New Tracing Project Wizard                             | Tracing Project Wizard opens   | SWTBot       | Pass       |                         |                 |                     |                |    |
| 2.2     | Create project               | Specify a project name and finish                           | Tracing project appears in Project Explorer  | SWTBot       | Pass       |                         |                 |                     |                |    |
| 2.3     | Project structure            | Close and open the new Tracing project                      | Project contains the Traces folder   | SWTBot       | Pass       |                         |                 |                     |                |    |
|         |                              |   |  |              |            |                         |                 |                     |                |    |
| 3       | Traces Folder                |   |  |              |            |                         |                 |                     |                |    |
| 3.1     | Traces Folder menu           | Select the Traces folder and open its context menu          | Correct menu opens (Open Trace, Import, New  | SWTBot       | Pass       |                         |                 |                     |                |    |
| 3.2     | Trace Import Wizard          | Select Import Trace   | Trace Import Wizard appears  | SWTBot       | Pass       |                         |                 |                     |                |    |
| 3.3     | Import traces                | Select a GDB Trace from samples directory and finish        | Imported traces appear in Folders with proper  | Manual       | Pass       |                         |                 |                     |                |    |
|         | T 0 " "                      |   |  |              |            |                         |                 |                     |                |    |
| 4       | Trace Configuration          |   |  |              |            |                         |                 |                     |                |    |
|         | Desirat/augustahla salastian | Devide diele en en en enfermed fra                          | Verify that an Error Dialog opens that notfiles the  |              | D          |                         |                 |                     |                |    |
| 4.1     | Project/executable selection | Double-click on an un-configured trace                      | user to select the trace executable  | Manual       | Pass       |                         |                 |                     |                |    |
|         |                              | Right mouse click on trace                                  |  |              |            |                         |                 |                     |                |    |
| 4.0     | 0.1.17 5 1.11                | 2) Select menu item "Select Trace Executable"               | Trace is configured (4.3 is successful, when 4.2   |              |            |                         |                 |                     |                |    |
| 4.2     | Select Trace Executable      | 3) Fill in the proper values in dialog and finish           | was successful)  | Manual       | Pass       |                         |                 |                     |                |    |
| 4.3     | Open configured trace        | Double-click on a configured trace                          | Trace is opened, events table and views are  | Manual       | Pass       |                         |                 |                     |                |    |
| 5       | Source Code Lookup           |   |  |              |            |                         |                 |                     |                |    |
|         |                              |   | The corresponding source code location is  |              |            |                         |                 |                     |                |    |
| 5.1     | Select event                 | With mouse select an event in events table                  | selected in the source code file.  | Manual       | Pass       |                         |                 |                     |                |    |
|         |                              |   | The corresponding source code location is  |              |            |                         |                 |                     |                |    |
| 5.2     | Select another event         | redo 5.1  | selected in the source code file.  | Manual       | Pass       |                         |                 |                     |                |    |
|         |                              |   |  |              |            |                         |                 |                     |                |    |
| 6       | Events Table Navigation      |   |  |              |            |                         |                 |                     |                |    |
|         |                              |   | Each keystroke modifies the selected event and   |              |            | Tested in base          |                 |                     |                |    |
| 6.1     | Arrow keys                   | Update the current event using up/down keys within wind     | the corresponding source code location is  | SWTBot       | Pass       | class                   |                 |                     |                |    |
|         |                              |   | Table is refreshed to display new current event  |              |            |                         |                 |                     |                |    |
| 0.0     | O and Him a                  |   | and the corresponding source code location is  | OM/TD-4      | D          | Tested in base          |                 |                     |                |    |
| 6.2     | Scrolling                    | Update the current event using up/down keys outside win     |  | SWTBot       | Pass       | class<br>Tested in base |                 |                     |                |    |
| 6.3     | PgUp/PgDn                    | Update the current event using PgUp/PgDn keys               | Table is scrolled accordingly  Table jumps from first to last event and the  | SWTBot       | Pass       | -1                      |                 |                     |                |    |
| 6.4     | Home/End                     | Update the current event using Home/End keys                | corresponding source code location is selected   | SWTBot       | Pass       | Tested in base<br>class |                 |                     |                |    |
| 0.4     | Tiome/End                    | Opdate the current event using nome/End keys                |  | SWIDOL       | 1 033      | Class                   |                 |                     |                |    |
| 7       | Events Searching & Filtering |   |  |              |            |                         |                 |                     |                |    |
| 7.1     | Search                       | In the search bar, enter some RE                            | Events corresponding to the RE are highlighted   | SWTBot       | Pass       |                         |                 |                     |                |    |
| 7.2     | Navigation                   | Navigate through highlighted events using Enter/Shift-En    |  | SWTBot       | Pass       |                         |                 |                     |                |    |
| 7.3     | Un-search                    | In the search bar, clear the RE                             | Events are displayed normally  | SWTBot       | Pass       |                         |                 |                     |                |    |
| 7.4     | Filter                       | In the search bar, enter some RE and press Ctrl+Enter       | Only events matching RE are displayed  | SWTBot       | Pass       |                         |                 |                     |                |    |
| 7.5     | Filter & Search              | In the filter bar, enter some RE; likewise in the search ba | r Events are filtered and highlighted accordingly  | SWTBot       | Pass       |                         |                 |                     |                |    |
| 7.6     | Un-filter                    | In the filter header, remove the filter                     | Events are displayed normally  | SWTBot       | Pass       |                         |                 |                     |                |    |
|         |                              |   |  |              |            |                         |                 |                     |                |    |
| 8       | Events Synchronization       |   |  |              |            |                         |                 |                     |                |    |
| 8.1     | Synch from Events View       | Click on an event in the Events View                        | Trace Control View is updated; Debug View is   | Manual       | Pass       |                         |                 |                     |                |    |
| 8.2     | Synch from Trace Control     | Go up/down from the Trace Control View                      | Events View is updated accordingly   | Manual       | Pass       |                         |                 |                     |                |    |
|         |                              |   |  |              |            |                         |                 |                     |                |    |

|         | Section  | Pass   | Fail   | Automated | To Do | Comments |
|---------|--|--|--|-----------|-------|----------|
|         | Tracing RCP  | 33   | 1  | 0         | 0     | 1        |
| rarget: | Windows  | Tested using kernel_vm in traces.zip   |  |           |       |          |
| Step    | Test Case  | Action   | Verification   | Type      |       | Comment  |
|         |  |  |  |           |       |          |
| 0       | Preparation  |  |  |           |       |          |
| 1       | Start RCP  |  |  |           |       |          |
| 1.1     | Start Tracing RCP  | Open RCP from command line or file explorer  | Tracing RCP opens in default perspective   | Manual    | Pass  |          |
|         | Start Tracing RCP with text                                    | Open RCP from command line withopen <trace name="" td="" with<=""><td></td><td></td><td></td><td></td></trace>   |  |           |       |          |
| 1.2     | trace  | absolute path>   | Trace will be opened with auto-detected trace type   | Manual    | Pass  |          |
| 1.3     | Start Tracing RCP with previously opened text trace            | Open RCP from command line withopen <trace absolute="" name="" path="" with="">. Use same trace than 1.2</trace>   | Verify that the same trace that was previously linked into the Traces folder is opened and not a new trace entry is created  | Manual    | Pass  |          |
| 1.4     | Start Tracing RCP with Kernel CTF trace                        | Open RCP from command line withopen <kernel absolute="" name="" path="" trace="" with=""></kernel>   | Tracing RCP is opened, the trace is linked to the Tracing project, the kernel analysis trace type is selected and trace is opened.   | Manual    | Pass  |          |
| 1.5     | Start Tracing RCP with previously opened Kernel CTF trace      | Open RCP from command line withopen <kernel absolute="" name="" path="" trace="" with="">. Use same trace than 1.4</kernel>  | Verify that the same trace that was previously linked into the Traces folder is opened and not a new trace entry is created  | Manual    | Pass  |          |
| 1.6     | Start Tracing RCP with new trace with name conflict            | Open RCP from command line withopen <trace absolute="" name="" path="" with="">, where the name of trace is the same than 1.2, but the trace is located at a different location on disk</trace>                        | Verify that a new trace is linked to the Tracing project and trace is opened. Verify that the new trace name has a integer number in braces as suffix added.   | Manual    | Pass  |          |
| 1.7     | Re-do 1.6  | Open RCP from command line withopen <kernel absolute="" path="" trace="" with="">, where name of trace is the same than 1.4, but the trace is located at a different location on disk</kernel>                         | Verify that a kernel trace is linked to the Tracing project, the kernel analysis trace type is selected and trace is opened. Verify that the new trace name has a integer number in braces a suffix added.     | Manual    | Pass  |          |
| 1.8     | Start Tracing RCP with non-trace file                          | Open file that is not a trace  | Trace is imported (linked) however default icon (from Eclipse) is set  | Manual    | Pass  |          |
| 2       | File menu  |  |  |           |       |          |
| 2.1     | Open Trace (File)  | Use Menu "File -> Open Trace" In the file dialog select a text trace and select open.  | Trace will be opened with auto-detected trace type   | Manual    | Pass  |          |
| 2.2     | Open Trace (File) with previously opened text trace            | Use Menu "File -> Open Trace". In the file dialog select a text trace and select open. Use same trace than 2.1   | Verify that the same trace that was previously linked into the Traces folder is opened and not a new trace entry is created  | Manual    | Pass  |          |
| 2.3     | Open Trace (Directory)   | Use "Menu File -> Open Trace" . In the file dialog select a file of Kernel CTF trace directory and select open.  | Verify that the trace is linked to the Tracing project, the kernel analysis trace type is selected and trace is opened.  | Manual    | Pass  |          |
| 2.4     | Open Trace (Directory) with previously opened Kernel CTF trace | Use "Menu File -> Open Trace" . In the file dialog select a file of Kernel CTF trace directory and select open. Use same trace than 2.3  | Verify that the same trace that was previously linked into the Traces folder is opened and not a new trace entry is created  | Manual    | Pass  |          |
| 2.5     | Open Trace File with name conflict                             | Use Menu "File -> Open Trace" In the file dialog select a text trace and select open, where the name of trace is the same than 2.1, but the trace is located at a different location on disk                           | Verify that the new trace is linked to the Tracing project and the trace is opened. Verify that the new trace name has an integer number in braces as suffix added.  | Manual    | Pass  |          |
| 2.6     | Re-do 2.5  | Use "Menu File -> Open Trace" . In the file dialog select a file of Kernel CTF trace directory and select open, where the name of trace is the same than 2.3, but the trace is located at a different location on disk | Verify that the kernel trace is linked to the Tracing project, the kernel analysis trace type is selected and trace is opened. Verify that the new trace name has an integer number in braces as suffix added. | Manual    | Pass  |          |
| 2.7     | Open file  | Open file that is not a trace  | Trace is imported (linked) however default icon (from Eclipse) is set  | Manual    | Pass  |          |

| 2.8 | Restart                  | Use Menu File -> Restart   | Verify that RCP is restarted with the previously open perspective and trace   | Manual | Pass  |  |
|-----|--------------------------|--|---|--------|-------|--|
| 2.9 | Exit                     | Use Menu File -> Exit  | Tracing RCP exits   | Manual | Pass  |  |
|     |                          |  |   |        |       |  |
| 3   | Window Menu              |  |   |        |       |  |
|     |                          |  |   |        |       |  |
| 3.1 | Open Perspective         | Use Menu Window -> Show Perspective -> Tracing Perspective   | Tracing perspective is opened   | Manual | Pass  |  |
|     |                          | Use Menu Window -> Show View -> Tracing -> Sequence  |   |        |       |  |
| 3.2 | Open View                | Diagram  | Sequence diagram view is shown  | Manual | Pass  |  |
| 3.3 | Preferences              | Use Menu Window -> Preferences   | Preferences dialog is shown   | Manual | Pass  |  |
| 3.4 |                          | Make changes of perspective by moving views and use menu Window -> Save Perspective As. Enter a perspective name and select Ok | Perspective with new name is stored   | Manual | Pass  |  |
| 3.5 |                          | Make changes of perspective by moving views and use menu Window -> Reset Perspective.  | After confirming the reset operation the perspective is reset to the default layout.  | Manual | Fail  | Resetting the perspective adds "Run" and<br>"Search" menus to the main menu. Bug<br>564009.<br>Sehr: Bug remains |
|     |                          |  |   |        |       |  |
| 4   | Help Menu                |  |   |        |       |  |
| 4.1 |                          | Use Menu -> Help -> Help Contents  | Help content browser is opened. All Tracing related help is included  | Manual | Pass  |  |
| 4.2 | Help Contents (shortcut) | Use key F1   | Help content browser is opened. All Tracing related help is included  | Manual | Pass  |  |
|     |                          | Use Menu -> Help -> Install New Software to install new Eclipse  |   |        |       |  |
| 4.2 | Install new Software     | feature  | Installation is successful  | Manual | Pass  |  |
| 4.4 | About                    | Use Menu -> Help -> About  | About dialog is opened all relevent information (e.g. version, copyright years etc) is up-to-date and correct.  | Manual | Pass  |  |
| 4.5 |                          | Use Menu -> Help -> About -> Installation details  | Go over all tracing features and verify that all have the correct version and copyright years   | Manual | Pass  |  |
|     |                          |  |   |        |       |  |
| 5   | Content                  |  |   |        |       |  |
| 5.1 |                          | Open Tracing perspective   | Tracing perspective opens   | Manual | Pass  |  |
| 5.2 |                          | Open LTTng Kernel perspective and kernel trace   | LTTng Kernel perspective opens  | Manual | Pass  |  |
| 5.3 |                          | Open Network Tracing perspective and PCAP trace  | Network Tracing perspective opens   | Manual | Pass  |  |
| 5.4 | Ŭ ,                      | Open OS Tracing Overview perspective and kernel trace  | OS Tracing Overview perspective opens   | Manual | Pass  | <u> </u>   |
| 5.5 | BTF presence             | Open BTF trace   | Trace type detected and event table has BTF columns   | Manual | Pass  | <u> </u>   |
| 6   | Upgrade                  |  |   |        |       |  |
| 6.1 |                          | Use Help -> Check For Updates  | RCP is upgraded. To test before the release at RC1 change update site in preference to stable update site: e.g. https://download.eclipse.org/tracecompass/2022-12/stable/rcp-repository | Manual | Pass  |  |
| 7   | Add-ons                  |  |   |        |       |  |
| 7.1 | 1100 0110                | Use Menu -> Tools -> Add-ons to install incubator features (e.g.   | Installation is successful and feature is available. A dialog is shown.   | Manual | Pass  |  |
| 7.1 | motan moubator Contware  | 200 mona 10010 - 7100 oriom to motali modbator realtires (e.g.   | motanation to odoocoord and realtife to available. A dialog to shown.   | Munual | 1 433 |  |

|         | Section                                 | Pass  | Fail   | Automated | To Do | Comments |                         |
|---------|---|---|--|-----------|-------|----------|-------------------------|
|         | LTTng 2.0 - Memory Analysis             | 23  | 0  | 8         | 0     | 0        |                         |
| Target: | Windows                                 |   |  |           |       |          |                         |
|         |   |   |  |           |       |          |                         |
| Step    | Test Case                               | Action  | Verification   | Type      |       | Comment  |                         |
| •       | D                                       |   |  |           |       |          |                         |
| 0       | Prerequisites                           | Download UST trace with memory events   |  |           |       |          |                         |
|         |   | from https://secretaire.dorsal.polymtl.   |  |           |       |          |                         |
|         |   | ca/~gbastien/traces/eclipse_mem_ust.tar.  |  |           |       |          |                         |
| 0.4     | Developed traces                        | gz. Hung: I suggest downloading eclipse   |  |           |       |          |                         |
| 0.1     | Download traces                         | trace Import the LTTng UST trace downloaded   |  |           |       |          |                         |
| 0.2     | Import trace with memory event          | above in Tracing project  |  |           |       |          |                         |
|         |   | Import one of the LTTng UST trace that  |  |           |       |          |                         |
|         |   | does not contain the memory events, for   |  |           |       |          |                         |
| 0.3     | Import trace without memory event       | example, the one used for the callstack view  |  |           |       |          |                         |
| 0.4     | Import non-UST trace                    | Import one LTTng Kernel trace   |  |           |       |          |                         |
| 1       | Project View                            |   |  |           |       |          |                         |
| •       | 1 Toject View                           | open the trace that contains the memory   |  |           |       |          |                         |
|         |   | events. In the project explorer, expand the   |  |           |       |          |                         |
| 1.1     | Check analysis can execute              | trace that contains the memory events   | "Ust Memory" analysis is present and "normal"  | SWTBot    | Pass  |          |                         |
|         |   | In the project explorer, open and expand  |  |           |       |          |                         |
|         |   | the trace that contains the memory events, right-click the memory analysis and select | A generic help message appears with the name of the  |           |       |          |                         |
| 1.2     | Verify help message when applicable     | Help  | analysis.  | SWTBot    | Pass  |          |                         |
|         |   | open the trace that does not contain the  | •  |           |       |          |                         |
|         |   | memory events. In the project explorer,   |  |           |       |          |                         |
| 1.3     | Check analysis cannot execute           | expand the UST trace that does not contain memory events                              | "Ust Memory" analysis is present, but striked-out  | Manual    | Pass  |          |                         |
| 1.0     | Officer analysis carmot execute         | In the project explorer, open and expand  | Ost Memory analysis is present, but striked-out  | Maridar   | 1 033 |          |                         |
|         |   |   | The help message mentions the analysis is impossible   |           |       |          |                         |
|         |   | events, right-click the memory analysis and   | to execute and contains the requirement that is not  |           |       |          |                         |
| 1.4     | Verify help message when not applicable | select Help In the project explorer, expand a LTTng                                   | fulfilled  | Manual    | Pass  |          |                         |
| 1.5     | Check analysis for another trace type   | Kernel trace  | "Ust Memory" analysis is not present   | SWTBot    | Pass  |          |                         |
|         | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |   |  |           |       |          |                         |
| 2       | View Management                         |   |  |           |       |          |                         |
|         |   | Open the UST trace with memory events   |  |           |       |          |                         |
| 2.1     | Populate analysis's view                | and expand the "UST Memory" analysis in the project explorer                          | "Ust Memory Usage" View appears under the analysis   | SWTBot    | Pass  |          |                         |
| 2.1     | Populate analysis's view                | the project explorer  | The UST Memory Usage view opens and triggers the   | SWIBUL    | F455  |          |                         |
|         |   | Double-click the UST Memory View under  | memory analysis. After the analysis, the XY chart is   |           |       |          |                         |
| 2.2     | Open view                               | the memory analysis   | populated  | SWTBot    | Pass  |          |                         |
| 2.3     | Close trace                             | Close the trace   | The UST Memory Usage view is emptied.  | Manual    | Pass  |          | Automation<br>Candidate |
| -       |   | With the view already opened, open the  | ·  |           |       |          | 223.00.0                |
| 2.4     | Open trace                              | trace   | The UST Memory Usage view is populated.  | SWTBot    | Pass  |          |                         |
| 2.5     | Close view                              | Close the UST Memory Usage view   | The view is closed.  | SWTBot    | Pass  |          |                         |
|         |   | Double-click the UST Memory Usage view  |  |           |       |          |                         |
| 2.6     | Re-open view                            | under the UST memory analysis in project explorer.                                    | The view opens and is automatically populated.   | Manual    | Pass  |          | Automation<br>Candidate |
|         | p                                       | r   | , so the control of t |           |       |          |                         |
| 3       | Mouse handling                          |   |  |           |       |          |                         |

| 3.1 | Drag move time range                 | Drag move xy chart left and right with middle button   | Time range is dragged. When mouse button is released, the view refreshes with the new time range  | Manual | Pass |   | Automation<br>Candidate |
|-----|--------------------------------------|--|---|--------|------|---|-------------------------|
| 3.2 | Zoom time range (mouse wheel)        | Zoom with CTL + mouse wheel up and down, cursor inside xy chart  | Time range is zoomed in and out, relative to mouse cursor. When mouse wheel is stopped for a short time, series are updated and new time range is propagated to other views.  | Manual | Pass | A | Automation Candidate    |
| 3.3 | Drag select time range               | Drag select time graph with right button   | Selection highlighted. When mouse button is released, time range is zoomed to selection, series are updated and new time range is propagated to other views.  | Manual | Pass | A | Automation<br>Candidate |
| 3.4 | Mouse hover                          | Hover mouse in xy chart anywhere   | Tool tip shows values for each thread at the given timestamp  | Manual | Pass |   | Automation<br>Candidate |
| 3.5 | Drag mouse selection                 | Drag select xy chart with left button  | Selection highlighted. New selection is propagated to other views   | Manual | Pass |   | Automation<br>Candidate |
| 3.6 | Shift key selection                  | Click select with left button (begin time),<br>press shift key and click select another time<br>(end time) | Selection highlighted. New selection is propagated to other views   | Manual | Pass |   | Automation<br>Candidate |
| 3.7 | Drag mouse selection (Status bar)    | Drag select xy chart with left button  | Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (draggged) selected time and delta the time difference between T2-T1 (can be negative) | Manual | Pass |   | Automation<br>Candidate |
| 3.8 | Shift key selection (Status bar)     | Click select with left button (begin time), press shift key and click select another time (end time)       | Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (draggged) selected time and   | Manual | Pass |   | Automation<br>Candidate |
| 4   | Synchronization                      |  |   |        |      |   |                         |
|     | Preparation                          | Have the Histogram and UST Memory Usage views both visible   |   | SWTBot | Pass |   |                         |
| 4.1 | Time synchronization                 | Select a random time in another view   | Selected time line is updated.  | Manual | Pass |   | Automation<br>Candidate |
| 4.2 | Time range synchronization           | Select a new time range in UST Memory Usage view or in Histogram view.                                     | Time range is updated.  | Manual | Pass |   | Automation<br>Candidate |
| 4.3 | Time range selection synchronisation | In any other view that supports range synchronization, select a new range.                                 | Selection range is highlighted.   | Manual | Pass |   | Automation<br>Candidate |

|         | Section                               | Pass  | Fail  | Automated | To Do | Comments  |  |
|---------|---------------------------------------|---|---|-----------|-------|---|--|
|         | LTTng 2.0 - CPU Analysis              | 27  | 0   | 13        | 0     | 1   |  |
| Target: | Windows                               |   |   |           |       |   |  |
| 90      |                                       |   |   |           |       |   |  |
| Step    | Test Case                             | Action  | Verification  | Туре      |       | Comment   |  |
|         |                                       |   |   | -5/1/~    |       |   |  |
| 0       | Prerequisites                         |   |   |           |       |   |  |
|         | •                                     | Import LTTng Kernel traces in   |   |           |       |   |  |
| 0.1     | Import traces                         | Tracing project   |   |           |       |   |  |
|         |                                       |   |   |           |       |   |  |
| 1       | Project View                          |   |   |           |       |   |  |
|         |                                       | In the project explorer and expand a                                    | "CPU usage" analysis is present                                     | 0.1.      |       |   |  |
| 1.1     | Check analysis can execute            | LTTng Kernel trace  | and it's not crossed out  | SWTBot    | Pass  |   |  |
|         |                                       | In the project explorer, open and expand the LTTng kernel trace, right- |   |           |       |   |  |
|         |                                       | click the CPU usage analysis and  | A generic help message appears                                      |           |       |   |  |
| 1.2     | Verify help message when applicable   |   | with the name of the analysis                                       | SWTBot    | Pass  |   |  |
|         | тет, тер песевде постерривания        | In the project explorer, expand a non-                                  |   |           |       |   |  |
| 1.5     | Check analysis for another trace type | LTTng Kernel trace  | present   | SWTBot    | Pass  |   |  |
|         |                                       |   |   |           |       |   |  |
| 2       | View Management                       |   |   |           |       |   |  |
|         |                                       | Open an LTTng kernel trace and  |   |           |       |   |  |
|         |                                       | expand the "CPU usage" analysis in                                      | "CPU Usage" View appears under                                      |           |       |   |  |
| 2.1     | Populate analysis's view              | the project explorer  | the analysis  | Manual    | Pass  |   |  |
|         |                                       |   | The CPU usage Usage view opens and triggers the cpu analysis. After |           |       |   |  |
|         |                                       | Double-click the CPU usage View   | the analysis, both tree viewer and                                  |           |       |   |  |
| 2.2     | Open view                             | under the CPU usage analysis  | xy charts are populated.  | SWTBot    | Pass  |   |  |
| 2.3     | Close trace                           | Close the trace   | The CPU Usage view is emptied.                                      | Manual    | Pass  |   |  |
|         | 0.000 1.000                           | With the view already opened, open                                      | me or o coage near to emparear                                      |           | . 400 |   |  |
| 2.4     | Open trace                            | the trace   | The CPU Usage view is populated.                                    | SWTBot    | Pass  |   |  |
| 2.5     | Close view                            | Close the CPU Usage view  | The view is closed.   | SWTBot    | Pass  |   |  |
|         |                                       | Double-click the CPU Usage view   |   |           |       |   |  |
|         |                                       | under the CPU usage analysis in   | The view opens and is   | _         |       |   |  |
| 2.6     | Re-open view                          | project explorer.   | automatically populated.  | SWTBot    | Pass  |   |  |
|         |                                       |   |   |           |       |   |  |
| 3       | View selection                        |   | A company of the distribution                                       |           |       |   |  |
|         |                                       | Colort an entry in the tree viewer                                      | A new series is added to the xy                                     |           |       |   |  |
| 3.1     | Select an entry                       | Select an entry in the tree viewer section                              | chart, corresponding to the selected TID                            | SWTBot    | Pass  |   |  |
| 0.1     | Colour only                           | 3300011   | COLOCION TIP  | CVVIDOL   | 1 433 | Christophe: not sure I understand. Multiple series can                      |  |
|         |                                       |   | A new series is added to the xy                                     |           |       | be selected; when selecting a 2nd series, the first one is                  |  |
|         |                                       | Select another entry from the tree                                      | chart, and the previous TID's                                       |           |       | still displayed.<br>Simon: I think this is old and refers to an older view. |  |
| 3.2     | Select another entry                  | viewer  | series is not displayed anymore                                     | SWTBot    | Pass  | With the new tree view the behavior is as you described                     |  |
|         |                                       |   |   |           |       |   |  |
| 4       | Mouse handling                        |   |   |           |       |   |  |
|         |                                       |   | Time range is dragged. When   |           |       |   |  |
|         |                                       | Brag move ky chart left and right with                                  | mouse button is released, series                                    |           |       |   |  |
| 4.1     | Drag move time range                  | middle button and shift mouse wheel                                     | are updated and new time range is                                   | SWTBot    | Pass  |   |  |

| 4.2  | Zoom time range (mouse wheel)     | Zoom with ctrl mouse wheel up and down, cursor inside xy chart                                       | Time range is zoomed in and out, relative to mouse cursor. When mouse wheel is stopped for a short time, series are updated and new time range is propagated to other views, including the troe viewer.   | SWTBot | Pass |
|------|-----------------------------------|--|---|--------|------|
| 4.3  | Mouse vertical scroll             | Scroll with mouse wheel up and down, cursor outside xy chart   | Table scroll up and down. Selected process does not change. Vertical scroll bar updated.  | Manual | Pass |
| 4.4  | Vertical scroll bar               | Click and drag vertical scroll bar   | Tree viewer scrolls up and down. Selected process does not change.  | Manual | Pass |
| 4.5  | Drag select time range            | Drag select time graph with right button in xy chart   | Selection highlighted. When mouse button is released, time range is zoomed to selection, series are updated and new time  | SWTBot | Pass |
| 4.6  | Mouse hover                       | Hover mouse in xy chart region anywhere  | Tool tip shows the total and selected process (if any) cpu  | Manual | Pass |
| 4.7  | Drag mouse selection              | Drag select xy chart with left button  | Selection highlighted and selection range is propagated to other views  | SWTBot | Pass |
| 4.8  | Shift key selection               | Click select with left button (begin time), press shift key and click select another time (end time) | Selection highlighted and selection range is propagated to other views  | Manual | Pass |
| 4.9  | Sort columns                      | Click on column headers of tree viewer once then twice   | Entries are sorted in ascending then descending order on the column value. Selected process does not change.  | Manual | Pass |
| 4.10 | Drag mouse selection (Status bar) | Drag select xy chart with left button  | Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (draggged) selected time and delta the time difference between T2-T1 (can be negative) | Manual | Pass |

| 4.11 | Shift key selection (Status bar)     | Click select with left button (begin time), press shift key and click select another time (end time) | Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (draggged) selected time and delta the time difference between T2-T1 (can be negative) | Manual | Pass |  |
|------|--------------------------------------|--|---|--------|------|--|
|      |                                      |  |   |        |      |  |
| 5    | Keyboard handling                    |  |   |        |      |  |
| 5.1  | Keyboard navigation in tree viewer   | With focus on table, use UP, DOWN, HOME, END keys  | Selected process in table is changed. Vertical scroll bar updated.  | Manual | Pass |  |
| 6    | Synchronization                      |  |   |        |      |  |
| 0    | Synchronization                      |  | Calcated time line is undated. If   |        |      |  |
| 6.1  | Time synchronization                 | Select a random time in another view   | Selected time line is updated. If selected time is outside current range, time range is updated to include it.  | Manual | Pass |  |
|      | •                                    | Select a new time range in CPU   |   |        |      |  |
| 6.2  | Time range synchronization           | usage view or in Histogram view.   | Time range is updated.  | Manual | Pass |  |
| 6.3  | Time range selection synchronisation | In any other view that supports range synchronization, select a new range.                           | Selection is highlighted. If the most left time (T1) of selected time range is outside the current range, then time range is updated to include it  | Manual | Pass |  |
| 6.4  | CPU usage works with experiments     |  |   | Manual | Pass |  |

|         | Section  | Pass  | Fail   | Automated        | To Do        | Comments     |                         |
|---------|--|---|--|------------------|--------------|--------------|-------------------------|
|         | XML Analysis   | 42  | 0  | 10               | 0            | 1            |                         |
| Target: | Windows  |   |  |                  |              |              |                         |
| Step    | Test Case  | Action  | Verification   | Туре             |              | Comment      |                         |
| отор    | 1001 0000  | Action  | vormounor.   | 1,700            |              | - Commission |                         |
| 0       | Prerequisites  |   |  |                  |              |              |                         |
| 0.1     | Import traces  | Import LTTng kernel traces  |  |                  |              |              |                         |
| 0.2     | Get a test XML file                                  | Download the test XML file from the incubator   |  |                  |              |              |                         |
| 0.3     | Make sure the XML file does not exist in the project | Open the Manage Xml Analyses menu and delete the XML file if it exists (or The XML files are located in <workspace directory="">/.metadata/.plugins/org.eclipse.tracecompass.tmf.analysis.xml.core/xml_files. Delete the linux kernel XML file if it exists.)</workspace> | NOTE: XML files haven't been updated to latest Kernel tracepoints and syscall changes. So, they only work with trace LTTng 2.5 and older   |                  |              |              |                         |
| 1       | XML file handling                                    |   |  |                  |              |              |                         |
| •       | Ame mo namaning                                      | In the project Explorer, expand any LTTng kernel  |  |                  |              |              |                         |
| 1.1     | Verify analysis not present                          | trace   | Verify that there is no 'Xml kernel State System' analysis   | Manual           | Pass         |              |                         |
| 1.2     | Import XML file                                      | Right-click the Traces folder, select Manage XML analyses In the opened dialog import the Kernel.Linux.xml file and close the dialog.   | Verify that the 'Xml kernel State System' analysis is now present under an LTTng kernel trace  | SWTBot           | Pass         |              |                         |
|         |  | Right-click the Traces folder, select Manage XML  | <b>3</b>   |                  |              |              |                         |
|         |  | analyses In the opened dialog, select Kernel.   | Verify that the XML editor opens. The editor should have   |                  |              |              |                         |
| 1.3     | Edit XML file  | Linux and click Edit Right-click the Traces folder, select Manage XML   | Design and Source sub-tabs   | SWTBot           | Pass         |              |                         |
| 1.4     | Disable XML file                                     | analyses In the opened dialog, click on the checkbox next to Kernel.Linux to disable it and click Apply.  | Verify that the 'Xml kernel State System' analysis doesn't show anymore under the LTTng kernel trace   | Manual           | Pass         |              | Automation<br>Candidate |
| 1.5     | Enable XML file                                      | Right-click the Traces folder, select Manage XML analyses In the opened dialog, click on the checkbox next to Kernel.Linux to enable it and click Apply.  | Verify that the 'Xml kernel State System' analysis is present again under the LTTng kernel trace   | Manual           | Pass         |              | Automation<br>Candidate |
| 2       | View management                                      |   |  |                  |              |              |                         |
| 2.1     | Populate the views                                   | Open an LTTng kernel trace (eg trace2 from the tracecompass-test-traces repo)   | The 'Xml kernel State System' analysis should have a + next to it, expand it and there should be 2 views under it: 'Xml Control Flow View' and 'Xml Resources View'                                | SWTBot           | Pass         |              |                         |
|         | Open the 'Xml Control Flow                           |   | A view titled 'Xml Control Flow View' should open and it   |                  |              |              |                         |
| 2.2     | View'  Open another XML view                         | the analysis  Double-click the 'Xml Resources View' under the analysis  | should look quite similar to the Control Flow View A view titled 'Xml Resources View' should open and it should look quite similar to the Resources view's CPU entries. Both XML views are opened. | SWTBot<br>Manual | Pass<br>Pass |              | Automation              |
|         | <u>'</u>   | •   | entities. Both AIME views are opened.  |                  |              |              | Candidate<br>Automation |
| 2.4     | Close view   | Close both XML views  | The views are closed.  | SWTBot           | Pass         |              | Candidate               |
| 2.5     | Open view when trace is<br>already loaded            | Double-click one of the views under the analysis  | The view opens with the correct title and is correctly populated.  | Manual           | Pass         |              | Automation<br>Candidate |
| 2.6     | Close traces   | Close all opened traces   | The view is emptied.   | SWTBot           | Pass         |              | Janalaate               |
| 2.7     | Open trace   | Open an LTTng Kernel trace  | The view is populated.   | Manual           | Pass         |              | Automation<br>Candidate |
| 2.8     | Open another trace                                   | Open a non-LTTng Kernel trace   | The view is emptied.   | Manual           | Pass         |              | Automation<br>Candidate |
| 2.9     | Open LTTng Kernel trace                              | Open an LTTng Kernel trace  | The view is populated.   | Manual           | Pass         |              | Automation<br>Candidate |
|         | i i  |   |  |                  |              |              |                         |
| 3       | View selection                                       |   |  |                  |              |              | Automation              |
| 3.1     | Select an entry in the table                         | Select an entry in the table  | Same entry is highlighted in time graph.   | Manual           | Pass         |              | Candidate               |

| 3.1  | Select entry in time graph                          | Select an entry in the time graph (empty region)  | Same entry is highlighted in table. Selected time line is updated. Other views are synchronized to selected time.   | Manual | Pass |  | Automatic<br>Candidate  |
|------|---|---|---|--------|------|--|-------------------------|
| 2.3  | Select state in time graph                          | Select a state in the time graph  | Same entry is highlighted in table. State is highlighted in time graph. Selected time line is updated. Other views are synchronized to selected time.   | Manual | Pass |  | Automatio<br>Candidate  |
| 4    | Mouse handling                                      |   |   |        |      |  |                         |
| 4.1  | Drag move time range                                | Drag move time graph left and right with middle button  | Time range is dragged. When mouse button is released, states are updated and new time range is propagated to other views.   | SWTBot | Pass |  |                         |
| 4.2  | Zoom time range (mouse wheel)                       | Zoom with CTRL + mouse wheel up and down, cursor inside time graph  | Time range is zoomed in and out, relative to mouse cursor. When mouse wheel is stopped for a short time, states are updated and new time range is propagated to other views.  | Manual | Pass |  | Automation<br>Candidate |
| 4.3  | Zoom time range (mouse drag)                        | Drag in time graph scale left and right with left button  | Time range is zoomed in and out. When mouse button is released, states are updated and new time range is propagated to other views.   | SWTBot | Pass |  |                         |
| 4.4  | Mouse vertical scroll                               | Scroll with mouse wheel up and down, cursor outside time graph  | Table and time graph scroll up and down and remain aligned. Selected entry does not change. Vertical scroll bar updated.  | Manual | Pass | Could not do this test because the trace isn't big | Automation<br>Candidate |
| 4.5  | Vertical scroll bar                                 | Click and drag vertical scroll bar  | Table and time graph scroll up and down and remain aligned. Selected entry does not change.  Selection highlighted. When mouse button is released, time   | Manual | Pass |  | Automation<br>Candidate |
| 4.6  | Drag select time range Double-click reset time      | Drag select time graph with right button  | range is zoomed to selection, states are updated and new time range is propagated to other views.  Time range is reset to full range, states are updated and  | SWTBot | Pass |  |                         |
| 4.7  | range   | Double-click left button on time scale  | new time range is propagated to other views.  | Manual | Pass |  | Automation<br>Candidate |
| 4.8  | Mouse hover (empty region)                          | Hover mouse in time graph over empty region   | Tool tip shows entry name only. Tool tip shows entry name, state name, date, start time,  | Manual | Pass |  | Automation<br>Candidate |
| 4.9  | Mouse hover (state)                                 | Hover mouse in time graph over state  | end time, duration.   | Manual | Pass |  | Automation<br>Candidate |
| 4.10 | Drag mouse selection                                | Drag select time graph with left button   | Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (draggged) selected time and delta the time difference between T2-T1 (can be negative)           | SWTBot | Pass |  |                         |
| 4.11 | Shift key selection                                 | Click select with left button (begin time), press shift key and click select another time (end time)  | Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (draggged) selected time and delta the time difference between T2-T1 (can be negative)           | Manual | Pass |  | Automation<br>Candidate |
| 5    | Keyboard handling                                   |   |   |        |      |  |                         |
| 5.1  | Keyboard navigation in table (entry selection)      | With focus on table, use UP, DOWN, HOME, END keys   | Selected process is changed. Time graph selection is updated. Vertical scroll bar updated.  | Manual | Pass |  | Automation<br>Candidate |
| 0.1  | Keyboard navigation in                              | With focus on table, in Windows use LEFT, RIGHT keys while parent or child process is selected in Linux use press ENTER while parent or child | For parent process, tree is expanded or collapsed. Time graph item expansion is updated. Vertical scroll bar updated. For child process, left changes selection to parent, time graph selection is updated. Vertical scroll bar updated. NOTE: XML files define the trees in the view and | mandai |      |  | Automation              |
| 5.2  | table (tree expansion)                              | process is selected   | kernel.linux makes it a tree of depth 1   | Manual | Pass |  | Candidate               |
| 5.4  | graph (process selection)                           | With focus on time graph, use UP, DOWN, HOME, END keys  | Selected process is changed. Table selection is updated. Vertical scroll bar updated.   | Manual | Pass |  | Automation<br>Candidate |
| 5.4  | Keyboard navigation in time graph (state selection) | With focus on time graph, use LEFT, RIGHT keys  | Previous or next state is selected. Selected time is updated in other views.  | Manual | Pass |  | Automation<br>Candidate |

| 6.1 | Show Legend                          | Click Show Legend button   | The legend dialog is opened and can be closed.   | Manual | Pass | Automation<br>Candidate |
|-----|--------------------------------------|--|--|--------|------|-------------------------|
| 6.2 | Reset Time Scale                     | Click Reset Time Scale button  | Time range is reset to full range, states are updated and new time range is propagated to other views.                                     | Manual | Pass | Automation<br>Candidate |
| 6.3 | Select Previous/Next Event           | Click Previous/Next State button   | Previous or next state is selected. Selected time is updated in other views.   | Manual | Pass | Automation<br>Candidate |
| 6.4 | Select Previous/Next<br>Process      | Click Previous/Next interval button  | Selected interval (process/resource) is changed in table and time graph. Vertical scroll bar updated.                                      | Manual | Pass | Automation<br>Candidate |
| 6.5 | Zoom In/Out                          | Click Zoom In/Out button   | Time range is zoomed in and out, relative to center of time range. States are updated and new time range is propagated to other views.     | Manual | Pass | Automation<br>Candidate |
| 6.6 | Filter Dialog                        | Open Filter Dialog   | Verify that all buttons are working correctly  | Manual | Pass | Automation<br>Candidate |
| 6.7 | Filter Processes                     | Open Filter Dialog     Deselect several processes     Press Ok             | Verify that only selected entries are displayed in the view  | Manual | Pass | Automation<br>Candidate |
| 7   | Synchronization                      |  |  |        |      |                         |
| 7.1 | Time synchronization                 | Select a random time in another view                                       | Selected time line is updated. If selected time is outside current range, time range is updated to include it.                             | Manual | Pass | Automation<br>Candidate |
| 7.2 | Time range synchronization           | Select a new time range in Resources view or in Histogram view.            | Time range is updated.   | Manual | Pass | Automation<br>Candidate |
| 7.3 | Time range selection synchronisation | In any other view that supports range synchronization, select a new range. | Selection is highlighted. If begin time (T1) of selected time range is outside the current range, then time range is updated to include it | Manual | Pass | Automation<br>Candidate |

|         | Section   | Pass   | Fail  | Automated | To Do        | Comments |                         |  |
|---------|---|--|---|-----------|--------------|----------|-------------------------|--|
|         | Trace Synchronization                                       | 16   | 0   | 0         |              | 0        |                         |  |
| Target: | Windows   |  | -   |           |              | _        |                         |  |
|         |   |  |   |           |              |          |                         |  |
| Step    | Test Case   | Action   | Verification  | Type      |              | Comment  |                         |  |
|         |   |  |   |           |              |          |                         |  |
| 0       | Prerequisites   |  |   |           |              |          |                         |  |
| 0.1     | Import traces   | Import the scp_dest and scp_src traces in the synctraces.tar.gz file |   | Manual    | Pass         |          |                         | It's in the test traces now!   |
| 0.1     | import traces   | Create an experiment containing those 2                              |   | Iviariuai | P 455        |          |                         | it's in the test traces now!   |
| 0.2     | Create experiment 1   | traces   |   | Manual    | Pass         |          |                         |  |
| 0.3     | Create experiment 2   | Create an experiment with any other trace                            |   | Manual    | Pass         |          |                         |  |
|         |   |  |   |           |              |          |                         |  |
| 1       | View Management   |  |   |           |              |          |                         |  |
|         | Open Synchronization  | Use menu Window → Show View → Tracing                                |   |           |              |          | Automation              |  |
| 1.1     | View  | → Synchronization  | view is shown   | Manual    | Pass         |          | Candidate               |  |
| 1.2     | Delete view   | Close the Synchronization View                                       | Synchronization' view is removed from perspective   | Manual    | Pass         |          | Automation<br>Candidate |  |
| 1.2     | Delete view   | Use menu Window → Show View → Tracing                                | Synchronization' view is  | iviariuai | 1 033        |          |                         |  |
| 1.3     | Open view   | → Synchronization  | displayed and remains empty   | Manual    | Pass         |          | Automation<br>Candidate |  |
|         |   | Open the experiment containing the 2                                 | Verify that the view is still   |           |              |          | Automation              |  |
| 1.4     | Open Experiment   | synchronizable traces  | empty   | Manual    | Pass         |          | Candidate               |  |
| 1.5     | Synchronize experiment                                      | Right-click on the experiment and select<br>'Synchronize Traces'     | After a time, the view is populated with synchronization result that say 'accurate'. And one of the original traces has been replace by a trace with the same name, but with an '_' at the end. | Manual    | Pass         |          | Automation<br>Candidate |  |
|         | Open view when trace is                                     | Close Synchronization View     Load LTTng experiment                 | Verify that view is populated with synchronization data from  |           |              |          | Automation              |  |
| 1.6     | already loaded  Synchronize experiment with constant offset | Open 'Synchronization' view  Try to offset a trace by a second       | currently opened experiment Visually verify that a synchronized trace is now offsetted  | Manual    | Pass<br>Pass |          |                         | Simon: not sure what should be the result of this operation Bernd: I think it is to add a manual time offset on top of the synchronisation |
|         |   |  |   |           |              |          | Automation              |  |
| 1.7     | Open trace  | Open an Lttng Kernel trace   | Synchronization view is empty   | Manual    | Pass         |          | Candidate               |  |
| 10      | Re-open experiment  | Open the experiment containing the 2 synchronized traces             | View shows synchronization data from the experiment   | Manual    | Pass         |          | Automation              |  |
| 1.8     | Re-open experiment  | syncinonized traces  | Verify that view is populated with synchronization data from  | Iviariuai | Fd55         |          | Candidate               |  |
| 1.9     | Restart   | Restart Eclipse  | experiment  | Manual    | Pass         |          |                         |  |
| 2       | Functionnalities  |  |   |           |              |          |                         |  |
|         |   | Open the experiment containing traces that                           | Verify that the 'Synchronization'   |           |              |          | Automation              |  |
| 2.1     | Open experiment 2   | do not synchronize   | view is empty   | Manual    | Pass         |          | Candidate               |  |
| 2.2     | Go back to previous experiment                              | Re-open the experiment with the synchronizable traces                | Verify that the 'Synchronization' view contains the data from the experiment  | Manual    | Pass         |          | Automation<br>Candidate |  |
| 2.3     | Synchronize experiment                                      | Right-click on the experiment and select 'Synchronize traces'        | After the syncronization job finishes, the synchronized experiment is closed and experiment 2 is selected. The synchronization view is empty.   | Manual    | Pass         |          | Automation<br>Candidate |  |

|         | Section                                | Pass   | Fail  | Automated | To Do | Comments  |                         |
|---------|--|--|---|-----------|-------|---|-------------------------|
|         | Network Trace Analysis                 | 12   | 0   | 3         | 0     | 3   |                         |
| Target: | Windows                                |  |   |           |       |   |                         |
| Step    | Test Case                              | Action   | Verification  | Туре      |       | Comment   |                         |
| 0       | Prerequisites                          |  |   |           |       |   |                         |
| 0.1     | Import traces                          | Import the trace linked here   |   |           |       | which trace?? - TeamSpeak2.pcap   |                         |
| 1       | Trace Import                           |  |   |           |       |   |                         |
| 1.1     | Open the Network Tracing perspective   | In the project Explorer, expand any pcap trace   | Verify that the events view, the properties and stream list are displayed                             | SWTBot    | Pass  |   |                         |
| 1.2     | Open trace                             | Double-click on the "TeamSpeak2.pcap" trace  | The trace is given a "network" icon. When opened, the events view and stream list view are populated. | SWTBot    | Pass  |   |                         |
| 2       | View management                        |  |   |           |       |   |                         |
| 2.1     | Populate the views                     | Open the "TeamSpeak2.pcap"   | The views are updated   | SWTBot    | Pass  |   |                         |
| 2.2     | Look up stream                         | Open the Stream List view  | One stream is available with endpoint A being 00:0c: 29:7c:ab:f9                                      | Manual    | Pass  |   | Automation<br>Candidate |
| 2.3     | Close the trace                        | Close the trace  | The stream list is emptied  | Manual    | Pass  |   |                         |
| 2.4     | Close view                             | Close the Stream List view   | The view is closed  | Manual    | Pass  |   |                         |
| 2.5     | Open view when trace is already loaded | Re-open the trace. Open the Stream List view   | The view opens with the correct title and is correctly populated.                                     | Manual    | Pass  |   |                         |
| 2.6     | Open a non pcap trace                  | Open a non pcap trace  | The stream list is emptied  | Manual    | Pass  | Should change the action to "open a non pcap<br>trace" instead of "close the trace"<br>Bernd: Updated | 1                       |
| 3       | Stream List                            |  |   |           |       |   |                         |
| 3.1     | Re-open trace                          | Open "TeamSpeak2.pcap" trace and open Stream list view   | Stream list view populated  | Manual    | Pass  | Trivial test, to remove or amend?<br>Bernd: It's a pre-req  |                         |
| 3.2     | Create a filter from the stream list   | Right click on stream 0, and select "Extract as Filter"  | A filter named "FILTER stream eth 00:0c:29" is created  | Manual    | Pass  | ,   |                         |
| 3.3     | Apply filter                           | In the events table, right click on an event and select "Apply preset filter-> stream eth 00:0c: 29" | 24/24 events pass the filter  | Manual    | Pass  |   |                         |
|         |  |  |   |           | Pass  |   |                         |

|         | Section                                | Pass                           | Fail                    | Automated | To Do | Comments |
|---------|--|--------------------------------|-------------------------|-----------|-------|----------|
|         |  | 21                             | 0                       | 6         | 0     | 0        |
| Townst  | LTTng 2.0 - I/O Analysis               | 21                             | U                       | U         | U     | <u></u>  |
| rarget: | Windows                                |                                |                         |           |       |          |
| - 01    |  |                                | V 161 41                | _         |       |          |
| Step    | Test Case                              | Action                         | Verification            | Type      |       | Comment  |
|         |  |                                |                         |           |       |          |
| 0       | Prerequisites                          |                                | ı                       |           |       |          |
|         |  | Import LTTng                   |                         |           |       |          |
| 0.4     | lucio cut tuc co                       | Kernel traces in               |                         |           |       |          |
| 0.1     | Import traces                          | Tracing project                |                         |           |       |          |
|         |  |                                |                         |           |       |          |
| 1       | Project View                           |                                |                         |           |       |          |
|         |  | la tha mais at                 | "Input/Output"          |           |       |          |
|         |  | In the project                 | analysis is present and |           |       |          |
|         |  | explorer, expand a LTTng       |                         |           |       |          |
| 1.1     | Check analysis can execute             | Kernel trace                   | striked-out)            | SWTBot    | Pass  |          |
| 1.1     | Check analysis can execute             | In the project                 | Strikeu-out)            | SWIDOL    | 1 055 |          |
|         |  | explorer, open                 |                         |           |       |          |
|         |  | and expand the                 |                         |           |       |          |
|         |  | LTTng kernel                   | A generic help          |           |       |          |
|         |  | trace, right-click             |                         |           |       |          |
|         |  | the Input/Output               |                         |           |       |          |
|         |  | analysis and                   | the name of the         |           |       |          |
| 1.2     | Verify help message when applicable    | select Help                    | analysis                | SWTBot    | Pass  |          |
|         |  | In the project                 |                         |           |       |          |
|         |  | explorer,                      |                         |           |       |          |
|         |  | expand a non-                  | "Input/Output"          |           |       |          |
| 1 5     | Charle analysis for another trace type | LTTng Kernel                   | analysis is not         | SWTBot    | Pass  |          |
| 1.5     | Check analysis for another trace type  | trace                          | present                 | SWIDU     | Pass  |          |
|         | V: NI                                  |                                |                         |           |       |          |
| 2       | View Management                        | 0                              |                         |           |       |          |
|         |  | Open an LTTng kernel trace and |                         |           |       |          |
|         |  |                                | "Disk I/O               |           |       |          |
|         |  | expand the<br>"Input/Output"   | Activity" View          |           |       |          |
|         |  | analysis in the                | appears under           |           |       |          |
| 2.1     | Populate analysis's view               | project explorer               |                         | SWTBot    | Pass  |          |
| ۲.۱     | i opaiato alialysis s view             | project explorer               | are arranyoro           | SWIDOL    | 1 433 |          |

| 2.2 | Open view Close trace Open trace | Double-click the Disk I/O Activity View under the Input/Output analysis  Close the trace With the view already opened, open the trace Close the Disk | analysis. After<br>the analysis, the<br>xy charts is<br>populated.<br>The Disk I/O<br>Activity view is<br>emptied.<br>The Disk I/O             | SWTBot<br>Manual<br>Manual | Pass Pass |  |
|-----|----------------------------------|--|--|----------------------------|-----------|--|
| 2.5 | Close view                       | I/O Activity view  |  | Manual                     | Pass      |  |
| 2.6 | Re-open view                     | Double-click the<br>Disk I/O Activity<br>view under the<br>Input/Output<br>analysis in<br>project explorer.  | The view opens and is automatically populated.   | Manual                     | Pass      |  |
| 3   | View selection                   |  |  |                            |           |  |
|     |                                  |  |  |                            |           |  |
| 4   | Mouse handling                   |  | Time renge is  |                            |           |  |
| 4.1 | Drag move time range             | Drag move xy chart left and right with middle button   | Time range is<br>dragged. When<br>mouse button is<br>released, series<br>are updated and<br>new time range<br>is propagated to<br>other views. | Manual                     | Pass      |  |

|     |                               | Zoom with mouse wheel up                       |   |        |      |  |
|-----|-------------------------------|--|---|--------|------|--|
| 4.2 | Zoom time range (mouse wheel) |  | new time range is propagated to other views.  | SWTBot | Pass |  |
| 4.3 | Drag zoom time range          | Drag select time graph with right button in xy | Selection<br>highlighted.<br>When mouse<br>button is<br>released, time<br>range is<br>zoomed to<br>selection, series<br>are updated and | Manual | Pass |  |
| 4.4 | Mouse hover                   | Hover mouse in<br>xy chart region              | Tool tip shows<br>the puntual disk<br>activity, with<br>units in <unit>/s</unit>  | Manual | Pass |  |
| 4.4 | Drag mouse selection          | Drag select xy chart with left                 | Selection highlighted and selection range is propagated to other views  | Manual | Pass |  |
| 4.6 | Shift key selection           |  | Selection<br>highlighted and<br>selection range<br>is propagated to<br>other views  | Manual | Pass |  |

| Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (Click select with left button (begin time), press shift key and click select another time (and time) the first selected time and delta the time difference better than the time difference the mouse position. The first selected time and delta the time difference time (from being time), press shift key and click select another time (end time) the first selected time and delta the time difference better than the first selected time and delta the time difference better than the first selected time and delta the time difference better than the first selected time and delta the time difference better than the first selected time and delta the time difference better than the first selected time and delta the time difference better than the first selected time and delta the time difference better than the first selected time and delta the time difference better than the first selected time and delta the time difference better than the first selected time and delta the time difference better than the first selected time and delta the time difference better than the first selected time and delta the time difference better than the first selected time. | 4.70 | Drag mouse selection (Status bar) | Drag select xy chart with left button   | Selection highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (draggged) selected time and delta the time difference between T2-T1 (can be negative) Selection | Manual | Pass |  |
|---|------|-----------------------------------|---|---|--------|------|--|
| 5 Keyboard handling   | 4.8  | Shift key selection (Status bar)  | left button<br>(begin time),<br>press shift key<br>and click select<br>another time | highlighted. Status bar of Eclipse is updated with time information: T, T1, T2 and delta, where T is the time of the mouse position, T1 the first selected time, T2 the second (draggged) selected time and delta the time difference between T2-T1 (can be                               | Manual | Pass |  |
|   | 5    | Keyboard handling                 |   |   |        |      |  |
|   |      | 1 to j Dour a mananing            |   |   |        |      |  |

| 6   | Synchronization                          |   |  |        |      |  |
|-----|--|---|--|--------|------|--|
| 6.1 | Time synchronization                     | Select a random time in another view  | Selected time<br>line is updated.<br>If selected time<br>is outside<br>current range,<br>time range is<br>updated to<br>include it.      | Manual | Pass |  |
| 6.2 | Time range synchronization               | Select a new<br>time range in<br>Disk I/O Activity<br>view or in<br>Histogram view. | Time range is updated.   | Manual | Pass |  |
| 6.3 | Time range selection synchronisation     | In any other view that supports range synchronization, select a new range.          | Selection is<br>highlighted. If<br>the most left<br>time (T1) of<br>selected time<br>range is outside<br>the current<br>range, then time | Manual | Pass |  |
| 6.4 | Disk I/O Activity works with experiments | , ange  | See bug in comment for acceptance criteria.  | Manual | Pass | Fixed Bug 558203<br>https://bugs.<br>eclipse.<br>org/bugs/show_bug<br>.cgi?id=558203 |

|         | Section                    | Pass  | Fail  | Automated        | To Do | Comments   |   |
|---------|----------------------------|---|---|------------------|-------|--|---|
|         | LAMI                       | 0   | 0   | 0                |       | 16   |   |
| Target: | Ubuntu 20.04.4 64 bit      | This is deprecated, it will no longer be supported.   |   |                  |       |  |   |
| Step    | Test Case                  | Action  | Verification  | Туре             |       | Comment  |   |
|         |                            |   |   |                  |       |  |   |
| 0       | Prerequisites              |   |   |                  |       |  |   |
| 0.1     | Import traces              | any trace since we use stub for the result  |   | Manual           | To Do |  |   |
| 0.2     | Download analysis stubs    | https://bugs.eclipse.org/bugs/attachment.cgi?id=263946  | -from bug:<br>https://bugs.eclipse.org/bugs/show_bug.cgi?id=493941  | Manual           | To Do |  |   |
| 1       | Custom external analysis   |   |   |                  |       |  |   |
|         |                            | Create the following analyses (\$name, \$command):  | All new external analysis are present under the "External Analysis" node in the Project explorer view.  All new elements do NOT have the strikethrough text style applied   |                  |       |  |   |
|         |                            | analysisEmpty, analysisEmpty analysisMultipleRow, analysisMultipleRow analysisMultipleSimilarRow, analysisMultipleSimilarRow analysisOneRow, analysisOneRow multipleReports, multipleReports invalidAnalysis, invalidAnalysis errorResult, errorResult clone, analysisOneRow Right click on "External Analyses" node Click the "add" action Insert Sname Insert "fullpath/Sexecutable" which is the full path to the stub executable ex: "t/mp/Stub/stubAnalysis" where stubAnalysis is the stub executable | EXCEPT for the tuple (invalidAnalysis, invalidAnalysis)   |                  |       |  |   |
| 1.1     | Add all stubs analysis     | The path does NOT support ~ or relative path  |   | Manual           | To Do | Kyrollos: I had to open the trace to be able to see the external analysis  |   |
| 1.2     | Actions available          | Right click on a non-strikethrough custom analysis.   | The run action can be clicked and in enabled text mode.   | Manual           | To Do |  |   |
|         | Actions unavailable        | Right click on a strikethrough custom analysis.   | The run action CANNOT be clicked and is in disabled text mode.  | Manual           | To Do | https://bugs.eclipse.org/bugs/show_bug.cgi?id=498218   | Kyrollos: if the  |
| 1.3     | Delete analysis            | Right click on the tuple (clone, invalidAnalysis)<br>Select the delete action for the node  | The analysis does not appear in the list anymore, analysisEmpty should return a message to the user regarding the emptiness of the report.  | Manual           | To Do | https://bugs.eclipse.org/bugs/show_bug.cgi?id=543800   | trace is opened, I<br>had to manually<br>close the opened<br>trace and reopen it<br>to see that the<br>external analysis<br>that was deleted is<br>not in the external<br>analysis list |
| 1.4     | Run analysis               | Launch remaining analysis via righ-click and run action   | errorResult should return an error message to the user and display the result of the command.  All other one have result and should result in a new table and new report node under the report node.              | Manual           | To Do | launching an analysis on a closed trace doesn't do anything  |   |
| _       |                            |   |   |                  |       |  |   |
| 2       | Reports                    |   | The "Reports" node under the Project Explorer should contain 4 reports: analysisMultipleRow Report analysisMultipleSimilarRow Report analysisOneRow Report  | Manual           | T: D: |  |   |
| 2.1     | Reports node               | Expand the "Reports" node under the Project Explorer  | multipleReports An additional node should be present under the "Reports" node: analysisOneRow Report #2 Note: This behaviour is subject to change in the following year but still an action will be taken on same | Manual           | 10 D0 | "multipleReports" is displayed "multipleReports Report" in Report  |   |
| 2.2     | Same name report           | Execute the "analysisOneRow" analysis again.  | name report creation.   | Manual           | To Do |  |   |
| 2.3     | Delete node                | Right click on the duplicate "analysis OneRow" node and click on the delete action  | The report node is not present anymore  | Manual           | To Do |  |   |
| 2.4     | Open a report              | Right click on any report and select the "open" action  | A new panel should open with the result table of the analysis   | Manual           | To Do |  |   |
| 2.5     | Open the same report again | Right click again on the same report to open it   | A new panel should open with the result table of the analysis   | Manual           | To Do |  |   |
| 2.6     | Multiple report            | Open the "multipleReports" report.  | Validate that a user is able to navigate between sub tab of a report  | Manual           | To Do |  |   |
| 3       | Result Table               |   |   |                  |       |  |   |
| 3.1     | Prerequisites              | Open the "analysisMultipleRowReport"  |   | Manual           | To Do |  |   |
| 3.2     | Hide table                 | Click the "Toggle" button in the right corner of the result table   | The result table is hidden  | Manual           | To Do |  |   |
| 3.3     | Show table                 | Click the "Toggle" button in the right corner of the result table  Sort all column by clicking on the column name. Clicking multiple time on  | The result table is shown   | Manual           | To Do | Waker and Wakee process name sorting is confusing: "Xorg" is sorted lower than "compiz", which is sorted lower than "rcu_sched". |   |
| 3.4     | Sorting<br>Colum Regizing  | the name should change the ordering sorter.   | Validate that the order make sense Validate that the resize works   | Manual<br>Manual | To Do | Kyrollos: Not sure about the Wakee process name sorting  |   |
| 3.5     | Colum Resizing             | Resize the column  Select multiple rows by holding ctrl and clicking on multiple unselected   | validate triat trie resize works  |                  | To Do |  |   |
| 3.6     | Multiple selection         | rows of the table  Deselect multiple rows by holding ctrl and clicking on multiple selected   | Multiple selections are highlighted in the table  | Manual           |       | Command key on macOS.  |   |
| 3.7     | Unselect selection         | rows of the table   | The clicked row should not be selected anymore  | Manual           | To Do | Command key on macOS.  |   |
| 4       | Bar Chart                  |   |   |                  |       |  |   |

| 4.1  | Create                 | Use the menu on the upper right of the result table and select "create ba<br>chart"   | Note: a bar chart does NOT perform agregation of categories values  | Manual | To Do |  |   |
|------|------------------------|---|---|--------|-------|--|---|
| 4.2  | Series dialog add      | Select any x and any y click add  | Series are added to the series list   | Manual | To Do |  |   |
| 4.3  | Series dialog remove   | Remove all newly created series via the delete button                                 | User should be able to delete series  | Manual | To Do |  |   |
| 4.4  | Creat chart            | Select any x and y and click add and "ok"   | A bar chart should be created Note: a bar chart does NOT perform agregation of categories values  | Manual |       | I selected Wakee Process TID as X axis, but TID is not displayed well because of the sheer number of TIDs. Kyrollos: Even when the chart is exported the TIDs aren't visible   |   |
| 4.5  | Selection              | Click on any bar inside the chart   | The corresponding row should be selected in the table and the chart should highlight the selected bar                                   | Manual | To Do | When there are too much bars inside the chart it is more difficult to click on<br>a bar.   | 1   |
| 4.6  | Multi selection        | Ctrl+click on other unselected bar  | Selections should be highlighted in the result table and the chart  | Manual | To Do |  |   |
| 4.7  | Deselection            | Ctri+click on other selected bar  | The eliabed has should be removed from selection and the result table update with the current selections                                | Manual | To Do | https://burg.poline.gog/flugs/phou.burg.pd/jdsE70202   | Kyrollos:<br>Sometimes it is<br>difficult to select an<br>entry from the bar<br>chart specially<br>when you have lots<br>of bars but I can<br>deselect the bars<br>and it worked on<br>I inux |
| 4.7  | Deselection            | Ctrl+click on other selected bar  | The clicked bar should be removed from selection and the result table update with the current selections                                | Manuai | 10 00 | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579392 When checking logarithmic scale Y, all y that do not support logarithmic  | Linux   |
| 4.8  | Y axis                 | Recreate the same graph but with the y log scale option enabled                       | Y axis should be in log scale mode  Note: check for zero value and negative handling since log scale does not support zero and negative | Manual | To Do | scale Y are not removed. When a Y is selected, all y that do not support logarithmic scale Y are removed.  Marco for 7.3: don't know where to find negative or null value samples. Kyrollos: I can't test with y negative values I don't know where to find possible samples for such case |   |
| 4.9  | Keep the chart open    | Keep the chart open   |   | Manual | To Do | And? (Run the next step I presume; refactor?) Kyrollos: What is the expected result? The chart is still open and can create another custom views next to the chart?  |   |
| 4.10 | Hide the table results | Hide the table results  |   | Manual | To Do | Expecting what? (Toggling so the chart keeps showing I presume.)<br>Kyrollos: When toogle button is clicked the table is hidden and when it is<br>ckicked again the table appears and the chart is resized. I presume that it<br>is the expected output. <b>To be confirmed</b>            |   |
|      |                        |   |   |        |       |  |   |
| 5    | Scatter Chart          |   |   |        |       |  |   |
| 5.1  | Create                 | Use the menu on the upper right of the result table and select "create scatter chart" |   | Manual | To Do |  |   |
| 5.2  | Creat chart            | Select any x and y and click add and "ok"   | A scatter chart should be created   | Manual | To Do |  |   |
| 5.3  | Selection              | Should be the same behaviour as the bar chart   | Should be the same behaviour as the bar chart   | Manual | To Do |  |   |
| 5.4  | Multi selection        | Should be the same behaviour as the bar chart   | Should be the same behaviour as the bar chart   | Manual | To Do | Kyrollos: When entries are selected from scatter chart, the selected entries<br>are selected in the table but when I toogle to hide the table and show it<br>again, the selected entries are no more selected in the table   | 3   |
| 5.5  | Deselection            | Should be the same behaviour as the bar chart   | Should be the same behaviour as the bar chart   | Manual | To Do | https://bugs.eclipse.org/bugs/show_bug.cgi?id=579392   |   |
| 5.6  | Mouse hovering         | Hover mouse in the graph  | On mouse hovering a cross should snap to the nearest point  | Manual | To Do |  |   |
| 5.7  | Full deselection       | Click in the chart when no hovering cross is present                                  | All selected objects should be deselected   | Manual | To Do |  |   |

|         | Section                        | Pass  | Fail   | Automated | To Do | Comments |
|---------|--------------------------------|---|--|-----------|-------|----------|
|         | Counters View                  | 7   | 0  | 0         | 0     | 0        |
| Target: | Windows                        |   |  |           |       |          |
|         |                                |   |  |           |       |          |
| Step    | Test Case                      | Action  | Verification   | Type      |       | Comment  |
| 4       | Duamavation                    |   |  |           |       |          |
| 1       | Preparation                    | Improve on LTTpg trapp with powers  | In the president explorer engine the Counters analysis   |           |       |          |
| 1.1     | LTTng trace with counters      | Import an LTTng trace with counters (e.g. kernelVM in test traces) and open trace | In the project explorer, ensure the Counters analysis and Counters view is available (non-strikethrough) | Manual    | Pass  |          |
| 1.1     | Li riig trace with counters    | Import LTTng trace with no counters, e.g  | and Counters view is available (non-striketinough)   | iviariuai | газэ  |          |
|         |                                | (glxgears-cyg-profile in test traces) and open                                    | In the project explorer, ensure the Counters analysis  |           |       |          |
| 1.2     | LTTng trace with no counters   | trace   | is strikethrough   | Manual    | Pass  |          |
|         | 3                              |   | In the project explorer, ensure there is no Counters   |           |       |          |
| 1.3     | Non-LTTng (no counters)        | Import non-LTTng trace and open trace   | analysis   | Manual    | Pass  |          |
|         |                                |   |  |           |       |          |
| 2       | Displaying counters data       |   |  |           |       |          |
|         |                                |   | The Counters view opens and triggers the Counters  |           |       |          |
|         |                                | Double-click the Counters View under the  | analysis. After the analysis, both tree viewer are   |           |       |          |
| 2.1     | Open Counters view (after 1.1) | Counters analysis   | populated.   | Manual    | Pass  |          |
| 2.2     | Populate xy-chart              | Select several checkboxes in tree viewer  | xy-chart populated.  | Manual    | Pass  |          |
|         |                                |   |  |           |       |          |
| 3       | Filtered checkbox tree         |   |  |           |       |          |
|         |                                |   | Tree viewer is updated to show only entries matching   |           |       |          |
| 3.1     | Re-do 2.1 + filter             | Type string in filter text box (e.g. minor)                                       | the filter string  | Manual    | Pass  |          |
| 4       | Supporting experiments         |   |  |           |       |          |
| -       | Supporting experiments         | Create experiment and add an LTTng trace  |  |           |       |          |
|         |                                | with counters   |  |           |       |          |
|         | Experiment with LTTng trace    | (e.g. kernelVM in test traces) to it. Open  |  |           |       |          |
| 4.1     | with counters                  | experiment and Counters view.   | All counters are displayed   | Manual    | Pass  |          |
|         |                                |   |  |           |       |          |
| 5       | Persistence between traces     |   |  |           |       |          |
| 5.1     |                                |   |  |           | N/A   |          |