	TraceCompass-3.1.0
Date:	2017/09/27

Section	Content	To do	Pass	Fail	Total	Comments	SWTBot	Lock held by...	Manual Test Version
1	Integration	0	23	0	23		0		
2	Junit Tests	0	18	0	18		18		
3	TMF - Project View	0	149	0	149	With comments	73		
4	TMF - EventsEditor	0	25	0	25	With comments	10		
5	TMF - BookmarksView	0	14	3	17	With comments	2		
6	TMF - Filters View	0	12	0	12	With comments	12		
7	TMF - Colors View	0	6	0	6	With comments	6		
8	TMF - Histogram View	0	48	2	50	With comments	5		
9	TMF - Sequence Diagram	0	36	0	36	With comments	2		
10	TMF - Statistics View	0	18	0	18	With comments	2		
11	TMF - Time Chart View	0	26	0	26		1		
12	TMF - Custom Parsers	0	28	0	28	With comments	6		
13	TMF - State System Explorer	0	14	0	14		5		
14	TMF - Call Stack View	0	23	1	24	With comments	14		
15	TMF - Remote Fetching	0	52	0	52		15		
16	LTTng 2.0 - Control Flow View	0	51	0	51	With comments	14		
17	LTTng 2.0 - Resources View	0	40	0	40	With comments	6		
18	LTTng 2.0 - Control View	0	131	0	131	With comments	24		
19	GDB Tracing	0	25	0	25		5		
20	Tracing RCP	0	32	0	32		0		
21	LTTng 2.0 - Memory Analysis	0	22	0	22	With comments	5		
22	LTTng 2.0 - CPU Analysis	0	27	0	27	With comments	5		
23	Trace Synchronization	0	13	0	13	With comments	0		
24	XML analysis	0	40	0	40	With comments	0		
25	Network Trace analysis	0	11	0	11		3		
26	Critical path	0	45	0	45	With comments	2		
27	LTTng 2.0 - I/O Analysis	0	21	0	21	With comments	5		

28	LTTng 2.0 - VM Analysis	0	36	3	39	With comments	0			
29	LAMI	0	18	0	18		0			
30	Flame Graph	0	19	0	19	With comments	11			
31	Counters View	0	0	0	0		0			
	Total:	**0**	**1023**	**9**	**1013**		**251**			
		Open	**Fixed**	**Total**						
	Bug Reports	13	0	13						

#	Section	Pass	Fail		To Do	Comment
	Integration	23	0	0	0	2
Target:						

Step	Test Case	Action	Verification			Comment
1	**Verify C/C++ EPP Package RC1**					
1.1	Download EPP Package	Download, extract and start EPP package	EPP Package starts	Manual	N/A	
1.2	Version of Tracing Features	Go to Help -> About Eclipse -> Installion Details	Verify that all tracing features and plug-ins are present and have the correct version (TMF, LTTng, CTF, GDBTrace)	Manual	N/A	Not all tests were done this time for this milestone
1.3	TMF presence	Open Tracing perspective	Tracing perspective opens	Manual	N/A	
1.4	LTTng presence	Open LTTng Kernel perspective	LTTng Kernel perspective	Manual	N/A	
1.5	GDB Tracepoint Analysis presence	Open GDB Trace perspective	GDB Tracepoint analysis perspective	Manual	N/A	
1.6	Oxygen Update Site	Go to Help -> Install New Software... -> Update site "Oxygen - http: //download.eclipse.org/staging/oxygen/"	Verify that all LTTng Kernel, LTTng UST and GDB Trace are available	Manual	N/A	
2	**Verify C/C++ EPP Package RC2**					
2.1	Download EPP Package	Download, extract and start EPP package. Check the mailing list for the packa https://dev.eclipse.org/mailman/listinfo/epp-dev	EPP Package starts	Manual	Pass	
2.2	Version of Tracing Features	Go to Help -> About Eclipse -> Installation Details	Verify that all tracing features and plug-ins are present and have the correct version (TMF, LTTng, CTF, GDBTrace)	Manual	Pass	Not all tests were done this time for this milestone
2.3	TMF presence	Open Tracing perspective	Tracing perspective opens	Manual	Pass	
2.4	LTTng presence	Open LTTng Kernel perspective	LTTng Kernel perspective	Manual	Pass	
2.5	GDB Tracepoint Analysis presence	Open GDB Trace perspective	GDB Tracepoint analysis perspective	Manual	Pass	
2.6	Oxygen Update Site	Go to Help -> Install New Software... -> Use the testing update site "Oxygen - http://download.eclipse.org/staging/oxygen/"	Verify that all LTTng Kernel, LTTng UST and GDB Trace are available	Manual	Pass	
3	**Verify C/C++ EPP Package RC3**					
3.1	Download EPP Package	Download, extract and start EPP package	EPP Package starts	Manual	Pass	
3.2	Version of Tracing Features	Go to Help -> About Eclipse -> Installation Details	Verify that all tracing features and plug-ins are present and have the correct version (TMF, LTTng, CTF, GDBTrace)	Manual	Pass	
3.3	TMF presence	Open Tracing perspective	Tracing perspective opens	Manual	Pass	
3.4	LTTng presence	Open LTTng Kernel perspective	LTTng Kernel perspective	Manual	Pass	
3.5	GDB Tracepoint Analysis presence	Open GDB Trace perspective	GDB Tracepoint analysis perspective	Manual	Pass	
3.6	Oxygen Update Site	Go to Help -> Install New Software... -> Use the testing update site "Oxygen - http://download.eclipse.org/staging/oxygen/"	Verify that all LTTng Kernel, LTTng UST and GDB Trace are available	Manual	Pass	
4	**Verify C/C++ EPP Package RC4**					
4.1	Download EPP Package	Download, extract and start EPP package	EPP Package starts	Manual	Pass	
4.2	Version of Tracing Features	Go to Help -> About Eclipse -> Installation Details	Verify that all tracing features and plug-ins are present and have the correct version (TMF, LTTng Control, LTTng Kernel, LTTng UST, CTF, GDBTrace)	Manual	Pass	
4.3	TMF presence	Open Tracing perspective	Tracing perspective opens	Manual	Pass	
4.4	LTTng presence	Open LTTng Kernel perspective	LTTng Kernel perspective	Manual	Pass	
4.5	GDB Tracepoint Analysis presence	Open GDB Trace perspective	GDB Tracepoint analysis perspective	Manual	Pass	
4.6	Oxygen Update Site	Go to Help -> Install New Software... -> Use the testing update site "Oxygen - http://download.eclipse.org/staging/oxygen/"	Verify that all LTTng Kernel, LTTng UST and GDB Trace are available	Manual	Pass	
5	**Verify Update Site**					
5.1	Oxygen Update Site	Download Eclipse for Committers and install LTTng Kernel, LTTng UST, GDBTrace and PCAP Network Analysis from main simrel testing Update site "Oxygen - http://download.eclipse.org/staging/oxygen/"	Verify that installation was successful	Manual	Pass	
5.2	Trace Compass Update Site	Download Eclipse for Committers and install LTTng Kernel, LTTng Control, LTTng UST, GDBTrace and PCAP Network Analysis from the Linux Tools Update site http://download.eclipse.org/tracecompass/oxygen/milestones	Verify that installation was successful	Manual	Pass	

5.3	Upgrade using Oxygen Update Site	Download Eclipse for Committers from Oxygen.0 and install LTTng, LTTng Kernel, GDBTrace and PCAP Network Analysis from main simrel Update site. http://download.eclipse.org/releases/neon Try to update the installation using the testing simrel update site. Oxygen - http://download.eclipse.org/staging/oxygen/	Verify that installation was successful	Manual	Pass	
5.4	Upgrade using Trace Compass Update Site	Download Eclipse for Committers from Oxygen.0 and install LTTng, LTTng Kernel, LTTng UST, GDBTrace and PCAP Network Analysis from the Trace Compass release Update site. http://download.eclipse.org/tracecompass/releases/2.3.0/repository Try to update the installation using the Trace Compass update site http://download.eclipse.org/tracecompass/oxygen/milestones	Verify that installation was successful	Manual	Pass	
5.5	Upragde from previous EPP	Download Eclipse previous C/C++ EPP package. Try to upgrade using both update sites: (TODO find correct job: https://hudson.eclipse.org/packaging/job/luna.epp-tycho-build/128/artifact/org.eclipse.epp.packages/archive/repository/) "Mars - http://download.eclipse.org/releases/maintenance" The information about the update sites to use is usually posted on epp-dev	Verify that installation was successful	Manual	Pass	
6	**Verify Update Site**	**Release outside release train**				
6.1	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/	Verify that installation was successful	Manual	N/A	
6.2	Upgrade using Trace Compass update site	Download Eclipse standard from Luna SR0 and install LTTng, LTTng Kernel, LTTng UST, GDBTrace and PCAP Network Analysis from the Luna SR0 Linux Tools Update site. http://download.eclipse.org/linuxtools/update-3.1 Try to update the installation using the Trace Compass update site. http://download.eclipse.org/tracecompass/stable/repository/	Verify that installation was successful	Manual	N/A	

	Section	Pass	Fail	To Do	Comment
	Junit Tests	18	0	0	0
Target:	Ubuntu 12.04 64 bit and on Hudson				

Step	Test Case	Action	Verification		Comment
1	**Junit Test Cases**				
1.1	CTF Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.2	CTF Parser Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.3	State System Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.4	TMF Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.5	TMF UI Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.6	TMF UI SWTBot Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.7	CTF Support for TMF SWTBot Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.8	TMF Xml Analysis Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.9	TMF Xml Analysis UI Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.10	LTTng Control Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.11	LTTng Control UI Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.12	LTTng Kernel Analysis Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.13	LTTng Kernel Analysis UI Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.14	LTTng Kernel UI SWTBot Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.15	LTTng Userspace Tracer Analysis Core Test Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.16	LTTng Userspace Tracer Analysis UI Test Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.17	GDB Tracepoint Analysis Core Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	
1.18	GDB Tracepoint Analysis UI Tests Plug-in	Run manually or with Jenkins	All test cases passed	Pass	

	Section	Pass	Fail	Type	To Do	Comment
	TMF - Project View	149	0	73	0	16
Target:	Ubuntu 16.04 64 bit					

Step	Test Case	Action	Verification			Comment
1	**Preparation**					
1.1	Step 1	Open LTTng Kernel perspective	LTTng perspective opens with correct views	SWTBot	Pass	
1.2	Step 2	Open Navigator View (used for independent verification)	Navigator View 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/Navigator	SWTBot	Pass	
2.3	Project structure	Open the new Tracing project	Project contains Experiments and Traces folders	SWTBot	Pass	
3	**Traces Folder**					
	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)	1) Browse to directory ${local}/traces/import/ 2) Select trace ExampleCustomTxt.log 3) 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 Trace Type Tmf Generic is set. Make sure 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 (link to workspace)	redo 3.1-3.3 but this time select directory kernel-overlap-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	
3.7	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	
3.8	Skip	redo 3.3, 3.4, 3.5. However, Unselect "Create Links to workspace" 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 opened	SWTBot	Pass	
3.10	Import unrecognized	1) Open Import wizard (see 3.1-3.2) 2) Browse to directory ${local}/traces/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	unrecognized.log is imported with trace type unknown. The default text file icon is displayed. The trace, when opened, is displayed in the text editor.	SWTBot	Pass	
3.11	Import unrecognized (ignore)	redo 3.10, however unselect "Import unrecognized traces"	unrecognized.log is not imported	SWTBot	Pass	

	Preparation	**Delete all traces in project - Right mouse click on Traces 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 Trace Type "LTTng Kernel" is set. Make sure that trace can be opened	SWTBot	Pass
	Preparation	**Delete all traces in project**			
3.13	Recursive import with auto-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 "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" 5) press Finish 6) When dialog appears select "Rename All"	All Traces are imported with respective trace type set. Traces with name clashes are imported with suffix (2). 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
	Preparation	**Delete all traces in project**			
3.14	Recursive import with auto-detection (Overwrite 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 "Overwrite existing without warning", select "Create Links to workspace" and unselect "Preserve Folder Structure" 5) press Finish 6) When dialog appears select Overwrite All"	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
	Preparation	**Delete all traces in project**			
3.15	Recursive import with auto-detection (Skip 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 "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. 1 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**			
3.16	Recursive import with auto-detection (test rename, overwrite and skip)	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 "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)	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"	After selecting trace type, verify that button "Import unrecognized traces" is disabled. 4 CTF traces are imported with trace type "Generic CTF Trace" . Make sure that these traces can be opened	SWTBot	Pass
	Preparation	**Delete all traces in project**			
3.18	Recursive import with specific trace type 2 (Skip 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 "LTTng Kernel 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. One LTTng Kernel trace is imported with trace type "LTTng Kernel Trace". Make sure that this trace can be opened.	SWTBot	Pass
	Preparation	**Delete all traces in project**			

3.19	Recursive import with specific trace type 3 (Skip All)	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	
	Preparation	**Delete all traces in project**				
3.20	Recursive import with specific trace type 4 (Skip 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", 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"	All text files in directories are imported as trace and trace type "Tmf 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	
	Preparation	**Delete all traces in project**				
3.21	Import wizard from workbench menu with project selected	1) Select project "Test" in Project Explorer view 2) Open import wizard from menu File > Import... > Tracing > Trace Import 3) Browse to directory ${local}/traces/import/ 4) Select trace ExampleCustomTxt.log 5) Keep <Auto Detection>, select "Create Links to workspace" and 6) press Finish	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	1) Clear selection in Project Explorer view 2) Open import wizard from menu File > Import... > Tracing > Trace Import 3) Browse to directory ${local}/traces/import/ 4) Select trace ExampleCustomTxt.log 5) Keep <Auto Detection>, select "Create Links to workspace" and 6) press Finish	Verify that trace is imported to default "Tracing" project and can be opened.	SWTBot	Pass	
	Preparation	**Delete all traces in project**				
3.23	Drag and Drop from other Tracing	D&D a few LTTng traces from another Tracing project's Traces folder	Selected traces are added to the Traces folder with proper icon. Trace can be opened.	Manual	Pass	
3.24	Drag and Drop from non-Tracing	D&D a few files from a non-Tracing project	Selected traces are added to the Traces folder with default icon. Files can be opened with the default editor.	Manual	Pass	CTF traces (folders) are not supported yet
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	
3.26	Drag and Drop of trace with existing name	1) D&D a trace with name of an existing trace into traces folder 2) Confirm the renaming of traces	Verify that trace is added into the traces folder with the trace name of the orignal trace plus a suffix 2	Manual	Pass	
3.27	Drag and Drop of trace with existing name (2nd time)	Redo test 3.26 with the same trace and same destination folder	Verify that trace is added into the traces folder with the trace name of the orignal trace plus a suffix 3	Manual	Pass	
3.28	Import destination	Open Import wizard	Verify that "Into Folder" text box cannot be updated	Manual	Pass	
	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 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 "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	

3.31	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"	All Traces are imported with respective trace type set with suffix (2). The folder "clashes" is imported with its traces inside. Make sure that traces can be opened which have a trace type set.	SWTBot	Pass	
	Preparation	**Delete all traces in project**				
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	1) 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	
3.35	Clear multiple Traces folder	1) Import 2 traces to different projects 2 Open both traces. 3 Select both Traces folders 4) Right-click, Clear. Click Yes.	A dialog should ask the user to confirm clearing of the folders. Clicking Yes should remove everything under the selected folders and close the traces	SWTBot	Pass	
	Preparation	**Delete all traces in project**				
3.36	Import from zip archive, preserve folder structure	1) Open Import wizard (see 3.1-3.2) 2) Select archive file: traces.zip 3) select directory the root directory 4) Select trace type "Automatic", unselect "Overwrite existing without warning" and select "Preserve Folder Structure" 5) press Finish	All the files get imported under their respective folders. The CTF traces can be opened (kernel-overlap-testing, simple_server...)	SWTBot	Pass	
	Preparation	**Delete all traces in project**				
3.37	Import from zip archive, no preserve folder structure	1) Open Import wizard (see 3.1-3.2) 2) Select archive file: traces.zip 3) select directory the root directory 4) Select trace type "Automatic", unselect "Overwrite existing without warning" and unselect "Preserve Folder Structure" 5) press Finish 6) Select Rename All when dialog comes up.	All traces are imported with trace type set. The traces from folder "clashes" are renamed with suffix (2). Make sure that the traces can be opened	SWTBot	Pass	
	Preparation	**Delete all traces in project**				
3.38	Import from zip archive specific traces	1) Open Import wizard (see 3.1-3.2) 2) Select archive file: traces.zip 3) select file "z-clashes/ExampleCustomTxt.txt" and folder "kernel-overlap-testing" 4) Select trace type "Automatic", and select "Preserve Folder Structure" 5) press Finish	The specified traces are imported with trace type set. Make sure that the traces can be opened.	SWTBot	Pass	
	Preparation	**Delete all traces in project**				
3.39	Import from tar.gz archive, preserve folder structure	1) Open Import wizard (see 3.1-3.2) 2) Select archive file: traces.tar.gz 3) select directory the root directory 4) Select trace type "Automatic", unselect "Overwrite existing without warning" and select "Preserve Folder Structure" 5) press Finish	All the files get imported under their respective folders. The CTF traces can be opened (kernel-overlap-testing, simple_server...)	SWTBot	Pass	
	Preparation	**Delete all traces in project**				

3.40	Import from tar.gz archive, no preserve folder structure	1) Open Import wizard (see 3.1-3.2) 2) Select archive file: traces.tar.gz 3) select directory the root directory 4) Select trace type "Automatic", unselect "Overwrite existing without warning" and unselect "Preserve Folder Structure" 5) press Finish 6) Select Rename All when dialog comes up.	All traces are imported with trace type set. The traces from folder "clashes" are renamed with suffix (2). Make sure that the traces can be opened	SWTBot	Pass	
	Preparation	**Delete all traces in project**				
3.41	Import from tar.gz archive specific traces	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 Structure" 5) press Finish	The specified traces are imported with trace type set. Make sure that the traces can be 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 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**					
5.1	Experiments menu	Select the Experiments folder and open it context menu	Correct menu opens (New, Import XML Analysis, Refresh)	Manual	Pass	Loic Import XML Analysis renamed "Manage XML Analysis"
5.2	Create experiment	Select the New menu and provide experiment name	Experiment appears under folder, no traces yet	Manual	Pass	
6	**Experiment**					
6.1	Experiment menu	Select an experiment and open its context menu	Correct menu opens (Select, Open , Copy, Rename, …)	Manual	Pass	
6.2	Select Traces dialog	Select the Select Traces menu	Select Traces dialog is open and populated w/ traces	Manual	Pass	
6.3	Select traces	Select a few LTTng traces and finish	Selected traces are imported in the experiment	Manual	Pass	
6.4	Open experiment	Select the Open menu	Experiment is opened and views are populated	Manual	Pass	
6.5	Copy experiment	Select the Copy menu and provide a new name. Open.	Experiment is replicated under the new name	Manual	Pass	
6.6	Rename experiment	Select the Rename menu and provide a new name. Open.	Experiment is renamed	Manual	Pass	
6.7	Delete experiment	Select the Delete menu and confirm deletion	Experiment is deleted	Manual	Pass	
6.8	Open Experiment (Accelerator)	Select an Experiment and press Enter	Experiment is opened	Manual	Pass	Numpad-enter doesn't work
6.9	Delete Experiment (Accelerator)	Select an Experiment and press Delete and confirm deletion	Experiment is deleted	Manual	Pass	
6.10	Delete Experiment (open experiment)	Open an experiment, select expereiment and press Delete and confirm deletion	Experiment is closed and deleted	Manual	Pass	
6.11	Select Traces while Experiment is open	Open an experiment and select an additional trace (see 6.3)	Experiment is closed and selected traces is imported to the experiment	Manual	Pass	
7	**Experiment Traces**					
7.1	Trace menu	Select an LTTng trace and open its context menu	Correct menu opens w/ Copy disabled + Remove	Manual	Pass	
7.2	Open trace	Select the Open menu	Trace is opened and views are populated	Manual	Pass	
7.3	Remove trace	Open Experiment, select the Remove menu and confirm removal	Experiment is closed, trace is removed from experiment	Manual	Pass	
7.4	Drag and Drop from Traces	D&D a few LTTng traces from the Traces directory	Selected traces are added to the experiment with proper icon. Experiment can be opened.	Manual	Pass	
7.5	Drag and Drop from other Tracing	D&D a few LTTng traces from another Tracing project's Traces folder	Selected traces are added to the experiment + Traces with proper icon. Experiment can be opened.	Manual	Pass	
7.6	Drag and Drop from non-Tracing	D&D a few traces from a non-Tracing project	Selected traces are added to the experiment + Traces with proper icon. Experiment can be opened.	Manual	Pass	
7.7	Drag and Drop from external	D&D a few traces from an external file manager	Selected traces are added to the experiment + Traces with proper icon. Experiment can be opened.	Manual	Pass	

7.8	Drag and Drop from external (non-traces)	D&D a few files (non-traces) from an external file manager	Selected traces are added to the experiment + Traces with proper icon (system icon). Experiment cannot be opened.	Manual	Pass	
7.9	Drag and Drop of trace with existing name	1) D&D a trace with name of an existing trace into experiment folder 2) Confirm the renaming of traces	Verify that trace is added into the traces folder and experiment folder with the trace name of the orignal trace plus a suffix 2	Manual	Pass	
7.10	Drag and Drop of trace with existing name (2nd time)	Redo test 7.8 with the same trace and same destination folder	Verify that trace is added into the traces folder and experiemnt folder with the trace name of the orignal trace plus a suffix 3	Manual	Pass	
7.11	Drag and Drop of trace while Experiment is open	Open an experiment and D&D a trace from the Traces directory (see 7.4)	Experiment is closed and selected traces is imported to the experiment	Manual	Pass	
8	**Propagation**					
8.1	Preparation	Copy experiment	Selected experiment is replicated	Manual	Pass	
8.2	Rename propagation	In Traces folder, rename a trace showing in both experiments	New name is propagated to both experiments	Manual	Pass	new name is not propagated and NPE Bug 517665. Fixed for 3.0.0
8.3	Delete propagation	In Traces folder, delete a trace showing in both experiments	Selected trace is removed from both experiments	Manual	Pass	if done independently from line above
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	
8.5	Propagate trace type 2	Add a trace to 2 experiments. Change its type from one of the experiments	All occurences of that trace are updated	Manual	Pass	
9	**Properties View Synchronization**					
9.1	Trace synchronization	Select a trace under a Traces folder in Project Explorer view. Repeat with trace under an Experiment.	The Properties view is updated with the selected trace's "Resource properties" Property and Value. The "Info > type" property shows the selected trace category and trace type name.	Manual	Pass	
9.2	Other trace nodes synchronization	Select a Traces folder, Experiments folder, or an experiment in Project Explorer view.	The Properties view is updated with the selected item's Property and Value. For Experiment verify the "type" property is set.	Manual	Pass	
9.3	Check trace properties	Open an LTTng kernel trace, click on the trace, check the new properties view.	The "Trace properties" should be populated	Manual	Pass	
9.4	Check trace properties - experiment	Open an experiment which contains LTTng kernel traces, click on the experiment, check the new properties view.	The "Trace properties" should be populated for every subtrace	Manual	Pass	New feature … not implemented yet
10	**Trace Type Selection**					
10.1	Preparation	Import an file with unrecognized trace type (${local} /traces/import/unrecognized.log)	Imported trace appear in Traces with default icon. File is can be opened by default Editor (either Eclipse text or system editor depending on plug-ins installed)	SWTBot	Pass	
10.2	Trace properties	Select the trace and open the Properties View	Selected trace type is blank	Manual	Pass	
10.3	Trace filtering	Select an experiment and open Select Traces dialog	Untyped trace does not appear in list	SWTBot	Pass	SWTBot tries invalid type for a given valid trace, same thing.
11	**Supplementary Files**					
11.1	Preparation	1) In Project Explorer remove filter for hidden resources (Coolbar menu > Customize View... > unselect '.* resources) 2) Create Experiment with 2 LTTng CTF traces in it	Verify that .tracing directory is shown under the project	Manual	Pass	
11.2	Create Supplementary File (State History File) from trace	Open a LTTng CTF trace and wait for indexing to finish	Verify that org.eclipse.tracecompass.analysis.os.linux.kernel.ht is created under .tracing/<trace name>/.	Manual	Pass	
11.3	Trace Context sensitive menu	a) Select trace under Folder Traces and click right mouse button b) Redo test: Select trace under Experiment Folder c) Redo test: Select Experiment	Verify that menu item 'Delete Supplementary Files...' is shown in the context-sensitve menu	Manual	Pass	
11.4	Delete Supplementary Files Action	1) Select trace and click right mouse button 2) Select 'Delete Supplementary Files...'	Verify that confirmation dialog box is opend and <trace name>/StateHistory.ht is listed	Manual	Pass	
11.5	Select and delete State History File	Select <trace name>/StateHistory.ht file and click on 'Ok'	Make sure that file .tracing/<trace name>/StateHistory.ht is deleted from the project explorer view	Manual	Pass	
11.6	Create Supplementary File (State History File) from experiment	Open Experiment with 2 LTTng CTF traces	Verify that two StateHistory.ht files are created under . tracing/<trace1 name>/ and ./tracing/<trace2 name>/ respectively. Also verify, that supplementatry folder for the experiment ./tracing/<exp name>_exp is created.	Manual	Pass	
11.7	Delete Supplementary Files Action	1) Select Experiment and click right mouse button 2) Select 'Delete Supplementary Files...'	Verify that confirmation dialog box is opend and shows 3 root entries: <exp name>, <trace1 name> and <trace2 name>, with their respective supplementary files below	Manual	Pass	

11.8	Select and delete State History File	Select one history file (<trace name>/StateHistory.ht) and click on 'Ok'	Make sure that the selected file .tracing/<trace name>/StateHistory.ht is deleted from the project explorer view	Manual	Pass
11.9	Select and delete multiple State History files	1) Redo 11.2 and 11.6 2) Select both history files and click on 'Ok'	Make sure that both history files are deleted under . tracing/<trace1 name>/ and .tracing/<trace2 name>/ respectively	Manual	Pass
11.10	Delete Trace	a) Redo 11.2 to create Supplementary File b) Delete trace	Verify that supplementary directory .tracing/<trace name>/ is deleted.	Manual	Pass
11.11	Delete Experiment	a) redo 11.6 to create experiment and Supplementary File b) delete Experiment	Verify that supplementary File StateHistory.ht .tracing/<trace1 name>/ and ./tracing/<trace2 name>/ are NOT deleted. Also verify that the supplementary folder for the experiment . /tracing/exp_name_exp is deleted.	Manual	Pass
11.12	Delete Experiment Trace	a) redo 11.6 to create experiment and Supplementary File b) remove traces under Experiment	Verify that supplementary File StateHistory.ht .tracing/<trace1 name>/ and ./tracing/<trace2 name>/ are NOT deleted	Manual	Pass
11.13	Delete Supplementary Files Action while trace is open	Open trace and then redo 11.4	Verify that trace is closed and supplementary files are deleted	Manual	Pass
12	**Link With Editor**				
12.1	Preparation	1) In Project Explorer make sure that "Link with Editor" button is selected 2) Open multiple traces and experiments		Manual	Pass
12.2	Select trace/experiment in Editors area	Select several traces and experiments one after each other in Editors area	Verify that after each selection the corresponding trace or experiment element is selected in the Project Explorer	Manual	Pass
12.3	Select opened traces/experiments in Project Explorer	Select several open traces and experiments one after each other in Project Explorer	Verify that after each selection the corresponding trace or experiment is brought to the top in the Editors area	Manual	Pass
12.4	Preparation	1) In Project Explorer make sure that "Link with Editor" button is not selected 2) Open multiple traces and experiments (if not open)		Manual	Pass
12.5	Select trace/experiment in Editors area	Select several traces and experiments one after each other in Editors area	Verify that selection in Project Explorer doesn't change	Manual	Pass
12.6	Select opened traces/experiments in Project Explorer	Select several open traces and experiments one after each other in Project Explorer	Verify that Editor in focus is not changed	Manual	Pass
13	**Trace Package Export Wizard**				
13.1	Preparation	1) Import 2 traces that generate supplementay files (trace2, kernel_vm) 2) Open both traces, wait for the indexing to finish 2) Add bookmarks in the two traces			
13.2	Open the trace package export wizard	Click on “File”, “Export...”, “Tracing”, “Trace Package Export” and click Next Alternatively, Right-click in Project Explorer on Project and select "Export", “Tracing”, “Trace Package Export” and click Next Alternatively, select multiple traces, right-click and select "Trace Package Export"	A wizard should appear with a list of projects and traces to select. Next button should be disabled.	SWTBot	Pass
13.3	Select Traces	On the left side, select the project in which the traces were imported. Then on the right side, selected both traces.	Next should be become enabled when the first trace is selected. If all traces are unselected, the Next button is disabled.	SWTBot	Pass
13.4	Deselect/Select All	With traces selected, press the Deselect All button. Then press on the Select All button. Click Next.	Next should become disabled after Deselect All, enabled after Select All.	SWTBot	Pass
13.5	Trace element selection	Unselect the trace2 element	All elements in the trace tree are unselected, the Approximate uncompressed size field changes to a lower number.	SWTBot	Pass
13.6	Trace sub-element selection	Unselect the kernel_vm > Trace element	All elements in the trace tree are unselected, the Approximate uncompressed size field changes to 0. The Next button is disabled.	Manual	Pass
13.7	Select/Deselect All	With nothing selected, click Select All. Then click Deselect All. Then click Select All again.	When Select All is clicked, all the tree elements are selected, the approximate size increases. When Deselect All is clicked, all the tree elements are deselected and the approximate size decreases.	Manual	Pass
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

13.9	Change export options, change compression	Unselect the “Compress” checkbox.	The name of the archive file changes to export.tar	SWTBot	Pass	
13.10	Change export options, change format	Change to Zip format	The name of the archive file changes to export.zip	SWTBot	Pass	
13.11	Change export options, change format and compression	Change to Tar format then select the Compress checkbox.	The name of the archive file changes to export.tar.gz	Manual	Pass	
13.12	Finish the wizard	Click Finish	A progress bar should appear at the bottom the the dialog and it should disappear upon completion. The export.tar.gz file should be created on the file system.	SWTBot	Pass	
13.13	Overwrite	Open the wizard again and select the traces (step 13.2, 13.3). Click Finish.	The Archive file name should be remembered and already filled. A dialog should prompt the user to overwrite. Answering No should keep the wizard opened. Answering Yes should re-export the archive and close the wizard.	Manual	Pass	No File>export...>tracing in RCP, used Traces comtent menu
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	No File>export...>tracing in RCP, used Traces comtent menu / Matthew: yes, right click on Tracing. works
13.15	Verify content	Open the tar.gz and the zip files in an archive manager.	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 files, supplementary files and bookmarks	Manual	Pass	
13.16	Partial selection	Open the wizard again and select the traces (step 13.2, 13.3). This time, unselect both Supplementary files subtrees. Click Finish.	Verify that the exported archive contains: In both archives, verify that it contains: 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 files and bookmarks	Manual	Pass	
14	**Trace Package Import Wizard**					
14.1	Preparation	Create an empty tracing project. Make sure you have export.tar.gz available from the Trace Package Export Wizard (13) test case, which should include everything including trace files, supplementary files and export-manifest.xml.				
14.2	Open the trace package import wizard	Click on “File”, “Import...”, “Tracing”, “Trace Package Import” and click Next	The first page of the wizard should appear (Choose content to import)	SWTBot	Pass	
14.3	Project Selection	Click the Select button. Choose the previously created project.	The Into project field gets filled with the selected project name.	SWTBot	Pass	
14.4	Archive file selection	1) Click on the Browse button. 2) Browse for export.tar.gz on the file system	Finish should be become enabled when the first trace is selected. If all traces are unselected, the Next button is disabled.	SWTBot	Pass	
14.5	Deselect/Select All	With traces selected, press the Deselect All button. Then press on the Select All button.	Finish should become disabled after Deselect 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	
14.7	Trace sub-element selection	Unselect the kernel_vm > Trace element	All elements in the trace tree are unselected.	Manual	Pass	
14.8	Select/Deselect All	With nothing selected, click Select All. Then click Deselect All. Then click Select All again.	When Select All is clicked, all the tree elements 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	Very fast
14.10	Supplementary Files	Right-click on trace2 in Project Explorer	Delete Supplementary files appears in the content menu	Manual	Pass	
14.11	Bookmarks	Open the Bookmarks view	Bookmarks appear in the list for the imported traces	Manual	Pass	
14.12	Open from bookmark	Double click on one of the bookmarks	The corresponding trace opens at the bookmarked event. Bookmarks are displayed in the event table.	Manual	Pass	
14.13	Overwrite	Open the wizard again (step 13.2) and select the archive file (step 13.4). Click Finish.	A dialog should prompt the user to overwrite for each trace. Answering Yes to All should overwrite without prompting again.	Manual	Pass	
15	**Time Offsetting**					
15.1	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.				

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. 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-click and select Apply Time Offset... In the Offset in seconds column, enter a time with seconds and decimals. Click OK. 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. Right-click and select Apply Time Offset... In the Offset in seconds column, enter a time with seconds and decimals. 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-click and select Clear time offset. Click OK to confirm. Open 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 - 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 show both traces and the Offset in seconds is blank. The Reference time for the opened trace is set to its start time.	Manual	Pass	
15.9	Apply time offset dialog - Advanced mode - compute from 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 shows the 'time offset' with the computed value.	Manual	Pass	With context switch traces
15.10	Apply time offset dialog - Advanced mode - compute from 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		To Do	Comment
	TMF - Histogram View	48	2	5	0	13
Target:	Ubuntu 14.04 64 bit					

Step	Test Case	Action	Verification			Comment
1	**Preparation**					
1.1	Step 1	Open and reset LTTng Kernel perspective	LTTng Kernel perspective opens with correct views	SWTBot	Pass	
1.2	Step 2	Open an LTTng trace	Views are populated	SWTBot	Pass	
2	**Manage View**					
2.1	Close view	Close the Histogram View	Histogram View is removed from perspective	SWTBot	Pass	84710
2.2	Open view	Window > Show View > Tracing > Histogram	Histogram View is displayed and re-populated	SWTBot	Pass	84710
2.3	Resize	Resize the Histogram View width-wise	Histograms are compressed/decompressed without loss	SWTBot	Pass	Tested with HistogramDataModelTest
3	**Full Trace Histogram**					
3.1	Single selection	Select timestamp with left-click	Selection Start/End + blue bars are updated	Manual	Pass	
3.2	Range selection	Select time range with shift-left-click, shift-left-drag or left-drag	Selection Start/End + blue bars are updated	Manual	Pass	
3.3	Drag zoom window	Drag the zoom window left/right with ctrl-left-drag or middle-drag	Zoom window is dragged, won't go beyond full range	Manual	Pass	
3.4	Move zoom window	Move the zoom window with ctrl-left-click or middle-click	Zoom window is centered on click, won't go beyond full range	Manual	Pass	
3.5	Set zoom window	Set a new zoom window with right-drag	Zoom window is set, Window Span is updated, won't go beyond histogram range	Manual	Pass	
3.6	Zoom in/out	Zoom in/out with mouse wheel up/down	Zoom window is updated, Window Span is updated, won't go below 2 ns, won't exceed full trace range	Manual	Pass	
3.7	Arrow keys	Move the current event using left/right arrow keys	Selection (blue bar) moves to the previous/next non-empty bucket	Manual	Pass	
3.8	Home/End keys	Press Home/End key	Selection Start/End moves to beginning/end of trace (i.e. start time of last bucket is selected)	Manual	Pass	
3.9	Lost events	With a trace containing lost events, click the "Hide lost events" toolbar icon. Click it again.	The lost events (red bars) are toggled on and off.	Manual	Pass	
3.10	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 exceed full trace range	Manual	Fail	only effects once on hello-lost trace, 2nd and following presses do not do anything
4	**Time Range Histogram**					
4.1	Single selection	Select timestamp with left-click	Selection Start/End + blue bars are updated	Manual	Pass	
4.2	Range selection	Select time range with shift-left-click, shift-left-drag or left-drag	Selection Start/End + blue bars are updated	Manual	Pass	Is the expected behavior to only enlarge the selection and not update it from original selected ts to the last one?
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 beyond full range	Manual	Pass	
4.4	Zoom in/out	Zoom in/out with mouse wheel up/down	Zoom window is updated, Window Span is updated, won't go below 2 ns, won't exceed full trace range	Manual	Pass	
4.5	Arrow keys	Move the current event using left/right arrow keys	Selection (blue bar) moves to the previous/next non-empty bucket	Manual	Pass	
4.6	Home/End keys	Press Home/End key	Selection Start/End moves to beginning/end of time range (i.e. start time of last bucket is selected)	Manual	Pass	Matthew: We need to publish this feature more
4.7	Lost events	With a trace containing lost events, click the "Hide lost events" toolbar icon. Click it again.	The lost events (red bars) are toggled on and off.	Manual	Pass	
3.10	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 exceed full trace range	Manual	Fail	only effects once on hello-lost trace, 2nd and following presses do not do anything
5	**Selection Start/End**					
5.1	Set selection start	Enter a TS within the full range in Selection Start widget	Selection Start + blue bars are updated	Manual	Pass	selection range
5.2	Set selection end	Enter a TS within the full range in Selection End widget	Selection End + blue bars are updated	Manual	Pass	
5.3	Set selection (linked)	Select the link icon. Enter a TS within the full range in Selection Start widget	Selection Start/End + blue bars are updated	Manual	Pass	
5.4	Set invalid selection start	Enter a TS before the full range start in Selection Start widget	Selection Start + blue bar set to first event	Manual	Pass	
5.5	Set invalid selection end	Enter a TS after the full range end in Selection End widget	Selection End + blue bar set to last event	Manual	Pass	
6	**Window Span**					

6.1	Set window span	Enter a span in Window Span widget	Both Histograms are updated accordingly	Manual	Pass				
6.2	Set large window span	Enter an invalid span (too large) in Window Span widget	Span set to full range	Manual	Pass				
6.3	Set invalid window span	Enter an invalid span (too small, negative, not a number) in Window Span widget	Span set to previous value	Manual	Pass	What is to small? 1ns seems to work (smaller than 1ns)			
7	**Selected Timestamp Synchronization**								
7.1	Time Range mouse synchronization	Click on the time range histogram. The time of the bucket at the mouse position is selected.	Other views are synchronized to the selected time	Manual	Pass				
7.2	Full Trace mouse synchronization	Click on the full trace histogram. The time of the bucket at the mouse position is selected.	Other views are synchronized to the selected time	Manual	Pass	Zoom Window is moved if selection is outside the current zoom window and a time graph window is open (e.g. CFV). Otherwise zoom window stays.			
7.3	Selection synchronization (linked)	Select the link icon. Enter a time within the full range in Selection Start widget	Other views are synchronized to the selected time	Manual	Pass				
7.4	External synchronization	In any other view that supports time synchronization, select a time.	Selection Start/End + blue bars in both histograms are updated to the selected time	Manual	Pass				
8	**Selected Time Range Synchronization**								
8.1	Time Range mouse synchronization	Select a time range in the small histogram (shift-left click, left-drag or shift-left drag).	Verify that the selected time range shows in both histograms, and in other views.	Manual	Pass				
8.2	Full Trace mouse synchronization	Select a time range in the full histogram (shift-left click, left-drag, shift-left drag).	Verify that the selected time range shows in both histograms, and in other views.	Manual	Pass				
8.3	Selection Start/End synchronization	Enter a time within the full range in Selection Start/End widget	Other views are synchronized to the selected time range	Manual	Pass	Zoom Window is moved if selection is outside the current zoom window and a time graph window is open (e.g. CFV). Otherwise zoom window stays.			
8.4	External synchronization	In any other view that supports time range synchronization, select a time range.	Selection Start/End + blue bars in both histograms are updated to the selected time range	Manual	Pass				
9	**Zoom Window synchronization**								
9.1	Time Range mouse synchronization	Select a zoom window in the small histogram (ctrl-left drag, middle-drag, right-drag, mouse wheel up/down).	Other views are synchronized to the new range	Manual	Pass				
9.2	Full Trace mouse synchronization	Select a zoom window in the full histogram (ctrl-left drag, middle-click, middle-drag, right-drag, mouse wheel up/down).	Other views are synchronized to the new range	Manual	Pass				
9.3	Window Span synchronization	Enter a new span in Window Span widget	Other views are synchronized to the new range	Manual	Pass				
9.4	External synchronization	In any other view that supports range synchronization, select a new zoom window.	Window Span and both histograms are updated to the new range	Manual	Pass				
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-overlap-testing 3) Import UST ${local}/traces/import/trace ust-overlap-testing 4) Create experiment with trace of 2) in it**							
10.1	Open multiple traces (no overlap)	Open multiple traces that don't overlap in time	View shows the last opened trace	Manual	Pass				
10.2	Change selected time and range (no overlap)	Select a time and new range	Selection Start/End, Window Span and both histograms are updated to selected time and new range.	Manual	Pass				
10.3	Open multiple traces (overlap)	Open multiple traces that overlap in time	View shows the last opened trace	Manual	Pass				
10.4	Change selected time and range (overlap)	Select a time and new range	Selection Start/End, Window Span and both histograms are updated to selected time and new range.	Manual	Pass				
10.5	Select other trace (overlap)	Select different trace by clicking its editor tab	View is updated to show selected trace. Selection Start/End, Window Span and both histograms are set to the newly selected time and range.	Manual	Pass				

10.6	Trace coloring	With an experiment containing multiple traces opened, click the "Activate trace coloring" toolbar icon. Click it again.	The colors in both Histograms and toggled on and off. When it is toggled off, the legend disappears at the bottom and only one color is used for non-lost events.	Manual	Pass				
10.7	Close all traces	Close all trace editor tabs	View is cleared.	Manual	Pass				

	Section	Pass	Fail	Type	To Do	Comment
	TMF - BookmarksView	**14**	**3**	**2**	**0**	**2**
Target:	Ubuntu 14.10 64 bit					

Step	Test Case	Action	Verification			Comment
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**					
2.1	Show Bookmarks View	Select Bookmarks view (bottom folder)	Bookmaks view is shown	Manual	Pass	
2.2	Open trace	Open an LTTng CTF Kernel trace	Views are populated. Verify that a Kernel events editor is opened showing LTTng Kernel specific columns	SWTBot	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)	Manual	Fail	double click fails
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	Manual	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	Manual	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	Manual	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	Manual	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	Manual	Fail	
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	Manual	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	Manual	Pass	
3.2	Add Experiment 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)	Manual	Fail	double click fails
3.3	Open Experiment 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	Manual	Pass	
3.4	Open Experiment 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	Manual	Pass	
3.5	Open Experiment 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	Manual	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	Manual	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	Manual	Pass	

	Section	Pass	Fail		To Do	Comment
	TMF - Filters View	**12**	**0**	**12**	**0**	**1**
Target:	Ubuntu 14.10 64 bit					

Step	Test Case	Action	Verification			Comment
1	Open a trace to be filtered	Trace is opened	SWTBot	SWTBot	Pass	
2	Open filter view	Filter view is opened	SWTBot	SWTBot	Pass	
3	Create a filter on event type and timestamp	The filterview contains a filter on the event type and the timestamp	SWTBot	SWTBot	Pass	
3.1	Apply that filter	A subset of the events pass	SWTBot	SWTBot	Pass	
4	Create a filter on the timestamp oring field values	Create the filter	SWTBot	SWTBot	Pass	
4.1	Apply that filter	A subset of the events pass	SWTBot	SWTBot	Pass	
5	Create a filter with equals node	Create the filter	SWTBot	SWTBot	Pass	
5.1	Apply that filter	A subset of the events pass	SWTBot	SWTBot	Pass	
6	Create a filter with matches node	Create the filter	SWTBot	SWTBot	Pass	
6.1	Apply that filter	A subset of the events pass	SWTBot	SWTBot	Pass	
7	Create a filter with 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		To Do	Comment
	TMF - Colors View	**6**	**0**	**6**	**0**	**0**
Target:	Ubuntu 14.10 64 bit					

Step	Test Case	Action	Verification			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		To Do	Comment
	TMF - Sequence Diagram	**36**	**0**	**2**	**0**	**13**
Target:	Ubuntu 14.04 64 bit					

Step	Test Case	Action	Verification	Type		Comment
1	**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 programmatically right below the dialogs level
1.1	Open perspective	Open and reset LTTng Kernel perspective	LTTng Kernel perspective opens with correct views: Project Explorer, Control, Control Flow, Resources, Statistics, Histogram, Properties, Bookmarks	SWTBot	Pass	
1.2	Open TMF Sequence Diagram View	Use menu Window → Show View → Other … → Tracing → Sequence Diagram	Verify that 'Sequence Diagram' view is shown	SWTBot	Pass	
1.3	Create and open experiment with sequence diagram data	1) Create Tracing Project 2) Create Experiment (SeqExp) 3) Import 2 traces simple-server-thread1 and simple-server-thread2 4) Add these 2 traces to experiment 6) Open (double-click on) the experiment	Verify that sequence diagram was loaded. The interaction show the signal numbers (Note that trace doesn't contain strings for the interactions. A special parser would be necessary to map signal number to trace)	Manual	Pass	
2	**Manage View**					
2.1	Close view	Close Sequence Diagram view	Sequence Diagram View is removed from perspective	Manual	Pass	
2.2	Open view when experiment/traces is already loaded	1) Close 'Sequence Diagram' View 2) load sequence diagram experiment 3) Open Sequence Diagram view	Verify that sequence diagram was loaded. Verify that all 17 pages are loaded.	Manual	Pass	difficult to get the numb of pages
3	**Tooltip**					
3.1	Hover over interaction	1) Goto to first page (no selection of any interaction or lifeline) 2) Hover over first interaction (arrow or number)	Verify that tooltip appears with content with interaction name and time stamp (10000 14:58:00.740995147)	Manual	Pass	Tooltip backgound is very dark and text is hard to read on Ubuntu 13.10, 14.10 with default theme https://bugs.eclipse.org/bugs/show_bug.cgi?id=455523. The value is not the same
3.2	Hover over interaction after selection	1) Goto to first page 2) select first interaction 3) Hover over 3rd interaction	Verify that tooltip appears with content with interaction names and time stamp delta between selected interaction and interaction that was hovered over (10001 → 10000 delta: 000.000 157 023)	Manual	Pass	
3.3	Hover over time compression bar	Hover over first element in time compression bar on the left of the view	Verify that tooltip appears with delta and graph to show where delta is in relation to current configured min max values. (delta: 000.000 3 480)	Manual	Pass	
4	**View Synchronization**					
4.1	Selection of interaction	Select an interaction in the 'Sequence Diagram'	Verify that interaction is highlighted in 'Sequence Diagram' view. Verify that in the events table the corresponding event is selected. Verify that time stamps matches	Manual	Pass	
4.2	Selection of event in events table	Select an sequence diagram event in the events table (type SEND or RECEIVE)	Verify that corresponding interaction is selected in the 'Sequence Diagram' view	Manual	Pass	
4.3	Selection of new time range	Change time range in 'Histogram View'.	Verify that the content of the 'Sequence diagram' changes and the interactions are part of the new window range	Manual	Pass	It's a bit unclear to me what this is supposed to do. I think it means when the start of the range changes, it should update the events shown in the sequence diagram Bernd: I updated the description to clarify for the next release.
5	**View Actions**					
5.1	Test page navigation	Use buttons and menu items 'Go to next page', 'Go to previous page', 'Go to last page' and 'Go to first page' to navigate through trace. Use also menu item 'Pages...' to jump to specific page	Verify that different time ranges are selected when changing page by looking at Histogram View. Histogram View window will show the start of the page. Note that there are 10000 interactions per page. In this traces there are in total 160032 interactions. Verify that last page has 32 interactions between 2 lifelines.	Manual	Pass	Where is the total number of interaction by page. Do we have to verify that also?

5.2	Test menu item 'Pages...'	1) Select menu item 'Pages...' 2) In text box type “9” 3) Click on 'OK'	Verify that a dialog box will show. Verify that for this trace it shows 'Total: 17 pages is shown” and the current page is displayed in the text box. After step 3) verify that page where changed to page 9. For this trace page 9 is the page with 3 lifelines.	Manual	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	Manual	Pass	It should have a string status in the search that specify that the nothing was found. In the test 34, if the user search for "10. *03" the find dialog will show "String not found". It should be shown for this test too.					
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	Manual	Pass	It reaches the right pages but the selection does not highlight anything when the find box is still opened. It only highlight the lifeline when we close the find dialog. Bernd: It supposed to highlight the lifeline on the correct page. So, test is successful. JC: The selection highlight the lifeline but it is difficult to see.					
5.5	Find criteria persistence	1) Restart eclipse 2) open find dialog	Verify that previous used find criteria are still in the list	Manual	Pass						
5.6	Find short-cut	1) Select 'Sequence Diagram' view 2) pres CTRL+F	Verify that find dialog opens	Manual	Pass						
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	Manual	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	Manual	Pass						
5.9	Deselect filter	1) Apply one filter 2) Use menu item 'Hide Patterns...' 3) deselect filter 4) click 'Ok'	Verify that all lifelines and interactions are shown	Manual	Pass						
5.10	Filter criteria persistence	1) Restart eclipse 2) open hide dialog	Verify that previous used hide criteria are still in the list	Manual	Pass						
5.11	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.	Manual	Pass						
5.12	Selection after zooming	1) Click on button and menu item 'Select' to go back to selection mode 2) select an interaction	Verify that selection is possible.	Manual	Pass						
5.13	Zoom-out	1) Use button and menu item for zoom-out to activate zooming out 2) click into sequence diagram view	Verify that 'Sequence Diagram' view zoom out. Note that no selection is possible.	Manual	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	Manual	Pass						
5.15	Configure min/max	1) Select menu item 'Configure Min Max' 2) Change min to 100 and max to 2000 (keep scale and precision) 3) 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.	Manual	Pass						
5.16	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.	Manual	Pass						
5.17	Show node end	Goto to page 1 → 1) Resize view so that the arrow 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	Manual	Pass						

5.18	Show node start	Goto to page 1 → 1) Resize view so that the beginning of the interactions are not shown 2) select on interaction 3) Use menu item Navigation → Show node start	Verify that start lifeline of the interaction is shown	Manual	Pass						
5.19	Show node end short-cut	Goto to page 1 → 1) Resize view so that the arrow of the interaction is not shown 2) select on interaction 3) Press SHIFT+ALT+END	Verify that end lifeline of the interaction (the arrow) is shown	Manual	Pass	The shortcut is not working when the mouse is hovering the interaction					
5.20	Show node start short-cut	Goto to page 1 → 1) Resize view so that the arrow of the interaction is not shown 2) select on interaction 3) Press SHIFT+ALT+HOME	Verify that start lifeline of the interaction is shown	Manual	Pass	The shortcut is not working when the mouse is hovering the interaction					
5.21	Scroll down short cut	Press SHIFT+ALT+ARROW_DOWN	Verify that within a page the display scrolls down per view size	Manual	Pass						
5.22	Scroll up short cut	Press SHIFT+ALT+ARROW_UP	Verify that within a page the display scrolls up per view size	Manual	Pass	**Key combination on Ubuntu 12.04 is used for something else. This can be disabled using the combiz-settings-manager (http://askubuntu.com/questions/171489/how-to-unbind-shift-alt-up-shortkey-in-12-04) After disabling this combination this test case passes On Ubuntu 14.04, 14.10, this is not an issue, by default the keys are not mapped.**					
5.23	Overview feature	Goto page 9 → Keep pressing + icon at the lowest right corner of the view and drag down, up, left or right	Verify that it's possible to navigate through a page of the sequence diagram view	Manual	N/A	On Ubuntu, the movement is hectic and the overview box is very narrow. On Mac OS X 10.8, the button is not visible but there is a visible empty space that is clickable in its place. Clicking on it brings up the overview box which has a reasonable size but movement is still hectic. Bug 436442					
5.24	Print	Select 'Sequence Diagram' view and press printer icon in the Eclipse's tool bar (or use CTRL+P). Select one pager page to print	Verify that it is possible to print	Manual	Pass	The dialog is confusing on Ubuntu. The "from pages" option do not update directly the values you enter Works on windows (including CTRL+P)	Pass on 16.04 and 16.10... could it be cups giving you a hard time?				
5.25	Remove filter (Bug 391714)	1) Create 1filter if necessary (see 5.8) 2) Open Error Log view if necessary 3) Open filter dialog box and remove all filters 4) Press 'Ok' 5) Open filter dialog box again	Verify that no exceptions occurred and after 5) no filter are listed	Manual	Pass						
5.27	Time Sync. without interactions (Bug 391716)	1) Open trace without any sequence diagram information 2) Open SD view if necessary 3) Open Error Log view if necessary 4) change time range in Histogram view 5) Change time current selected time in Histogram View	Make sure that no exceptions occurred	Manual	Pass						

	Section	Pass	Fail	Type	To Do	Comment
	TMF - EventsEditor	25	0	10	0	2
Target:						

Step	Test Case	Action	Verification			Comment
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 "BookmarksVIew"**				
3	**Experiment bookmarks**	**Moved to sheet "BookmarksVIew"**				
4	**Filter**					
4.1	Filter	In the header row, enter some regex and press Ctrl+Enter	Only events matching regex are displayed. Top and bottom filter status 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	
4.3	Un-filter	In the header bar, click the icon to delete a filter	All events are displayed. Selected event remains selected and visible. Status rows are removed.	SWTBot	Pass	
4.4	Filter & Search	In the filter bar, enter some regex; likewise in the search bar	Events are filtered and highlighted accordingly	SWTBot	Pass	
4.5	Search & Filter	In the search bar, enter some regex; likewise in the filter bar	Events are filtered and highlighted accordingly	SWTBot	Pass	
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	
5.2	Key synchronization	Select any event in the table using Up, Down, PageUp, PageDown, Home, End	Other views are synchronized to the selected event's time	Manual	Pass	
5.3	Search synchronization	In the search bar, enter some regex, then search again with Enter/Shift-Enter	Other views are synchronized to the selected event's time	Manual	Pass	
5.4	External synchronization	In any other view that supports time synchronization, select a time.	The first event at or following the selected time is selected and visible.	Manual	Pass	
5.5	Range selection	Select an event with left button, press shift key and click select another event	Range of events are highlighted. Selection range is updated in other views that support range selection	Manual	Pass	
6	**Event Synchronization**					
6.1	Open trace	Open an LTTng CTF Kernel trace	Verify that an editor is opened showing LTTng Kernel specific columns. 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	
6.3	Key synchronization	Select any event in the table using Up, Down, PageUp, PageDown, Home, End	The Properties view is updated with the selected event's Property and Value. Timestamp and Content are expandable.	Manual	Pass	

6.4	Search synchronization	In the search bar, enter some regex, then search again with Enter/Shift-Enter	The Properties view is updated with the selected event's Property and Value. Timestamp and Content are expandable.	Manual	Pass	
6.5	External synchronization	In any other view that supports time synchronization, select a time. The selected event in the editor is updated. Then give focus back to the editor.	The Properties view is updated with the selected event's Property and Value. Timestamp and Content are expandable.	Manual	Pass	
7	**Source Code / Model Lookup**					
7.1	Preparation	**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.** **Select trace type "Generic CTF Trace" and open the trace**				
7.2	Open call site	1) select event in table 2) click right mouse button 3) select "Open Source Code" menu item	Verify that correct source code file and line number is opened	Manual	Pass	
7.3	Open call site (no source code)	1) Close source code project 2) select event in table 3) click right mouse button 4) select "Open Source Code" menu item	Since the source code is not available the no source code file is opened. Instead a error dialog is opened (with title "FileNotFoundException")	Manual	Pass	
7.4	Open model URI	1) select event in table (e.g. 1st event) 2) click right mouse button 3) select "Open Model Element" menu item	Since the model is not available the model element is not shown. Instead a error dialog is opened (with title "FileNotFoundException")	Manual	Pass	
8	**Export to text**					
8.1	Export CTF trace	1) Open a CTF trace (e.g. LTTng Kernel) 2) Click right mouse button 3) Select "Export To Text" menu item 4) Enter a file name and location 5) Press OK	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 events stored in the file. Verify that the columns are printed as shown in the events table and that they are separated by tab character.	Manual	Pass	
8.2	Export Other Trace	1) Open a trace other than CTF trace 2) Click right mouse button 3) Select "Export To Text" menu item 4) Enter a file name and location 5) Press OK	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 events stored in the file. Verify that the columns are printed as shown in the events table and that they are separated by tab character.	Manual	Pass	Used text trace
8.3	Copy to clipboard	1) Open a CTF trace (e.g. LTTng Kernel) 2) Click right mouse button 3) Select "Copy to Clipboard" menu item 4) Paste it in a text file	Verify that the columns are printed as shown in the events table and that they are separated by tab character.	SWTBot	Pass	
9	**Swap Columns and Change Fonts**					

9.1	Swap columns in events table	1) Open a trace 2) Drag a column	Covered by SWTBot tests	SWTBot	Pass	
8.2	Change fonts	1) Open the preferences 2) select new font for trace types 3) press apply 4) verify that the font changed	Covered by SWTBot tests	SWTBot	Pass	
8.3	Reset fonts	1) Open the preferences 2) Reset the font settings 3) Press apply 4) verify that the font changed	Covered by SWTBot tests	SWTBot	Pass	

	Section	To Do	Fail		To Do	Comment
	TMF - Statistics View	**18**	**0**	**2**	**0**	**2**
Target:	Ubuntu 14.04 64 bit					

Step	Test Case	Action	Verification	Type		Comment
1	**Preparation**					
	Preparation	**Download traces simple-server-thread1 and simple-server-thread1 from traces/import/**				
1.1	Open Perspective	Open and reset LTTng Kernel perspective	LTTng Kernel perspective opens with correct views	SWTBot	Pass	
1.2	Open TMF Statistics View	Use menu Window → Show View → Other … → Tracing → Statistics	Verify that 'Statistics' view is shown	SWTBot	Pass	Path is actually Window -> Show view -> Tracing -> Statistics
1.3	Open experiment	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/RECEIVE/INFO/after_fork_child are counted.	Manual	Pass	
2	**Manage View**					
2.1	Delete view	Close the 'Statistics' View	Statistics' view is removed from perspective	Manual	Pass	
2.2	Open view	Use menu Window → Show View → Tracing → Statistics	Statistics' view View is displayed and re-populated	Manual	Pass	
2.3	Open view when experiment/trace is already loaded	1) 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. Verify that event types ENTER/RETURN/SEND/RECEIVE/INFO/after_fork_child are counted	Manual	Pass	
3	**Other**					
3.1	Build of statistic index	Open trace	Verify that 'Statistics' view is populated gradually during 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 without parsing the trace again	Manual	Pass	
4	**Range Synchronization**					
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	
4.2	External synchronization (range)	In any other view that supports range synchronization, select a new range.	Events in 'Events in selection' is updated according to new range	Manual	Pass	
5	**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-overlap-testing** **3) Import UST ${local}/traces/import/trace ust-overlap-testing** **4) Create experiment with trace of 2) in it**		Manual	Pass	
5.1	Open multiple traces (no overlap)	Open multiple traces that don't overlap in time	View shows the last opened trace	Manual	Pass	

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 range	Manual	Pass	Patrick: The pie chart doesn't know from which trace the event comes from. Maybe we could skip events in the tree that have zero count though?
5.3	Select other trace (no overlap)	Select different trace by clicking its Events editor tab	View is updated to show selected trace. 'Events in selection' is updated according to the selected trace's previously selected range.	Manual	Pass	
5.4	Open multiple traces (overlap)	Open multiple traces that overlap in time	View shows the last opened trace	Manual	Pass	
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	
5.6	Select other trace (overlap)	Select different trace by clicking its Events editor tab	View is updated to show selected trace. 'Events in selection' is updated according to the newly selected time and range.	Manual	Pass	
5.7	Close all traces	Close all Events editor tabs	View is cleared.	Manual	Pass	

	Section	Pass	Fail	Type	To Do	Comment
	TMF - Time Chart View	26	0	1	0	0
Target:	Ubuntu 14.04 64 bit					

Step	Test Case	Action	Verification	Type		Comment
1	**Preparation**					
1.1	Preparation step 1	Open and reset LTTng Kernel perspective	LTTng Kernel perspective opens with correct views.	SWTBot	Pass	
1.2	Preparation step 2	Show Time Chart View	Time Chart view is shown	Manual	Pass	
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 selected entry. Range of view is full trace range.	Manual	Pass	
2.2	Open other trace	Open an LTTng CTF Kernel trace #2	Trace #2 entry added to Time Chart view. Trace #2 is selected entry. Range of view is union of full trace ranges.	Manual	Pass	
2.3	Open experiment	Open an experiment	Experiment entry added to Time Chart view. Experiment is selected entry. Range of view is union of full trace ranges.	Manual	Pass	
2.4	Select other trace	Select trace #1 by clicking its trace entry in Time Chart view	Trace #1 is selected entry. View range does not change. Trace #1 editor tab is brought to top.	Manual	Pass	
2.5	Select other trace (external)	Select trace #2 by clicking its editor tab	Trace #2 is selected entry. View range does not change.	Manual	Pass	
2.6	Close view	Close the Time Chart view	Time Chart view is removed from perspective	Manual	Pass	
2.7	Open view	Show Time Chart view	Time Chart view is displayed and re-populated with opened traces data	Manual	Pass	
2.8	Close trace/experiment	Close trace #2 editor tab. Repeat with experiment editor tab.	Trace entry is removed from Time Chart view. Range is view is union of remaining full trace ranges.	Manual	Pass	
2.9	Close last trace	Close trace #1 editor tab	View is cleared.	Manual	Pass	
3	**Time Synchronization**					
3.1	Mouse synchronization (single time)	Left-click on the time chart. The selected time line is updated.	Other views are synchronized to the selected time. Event at or following the selected time is selected in the event table.	Manual	Pass	
3.2	Mouse synchronization (time range)	Shift-left-click or left-drag on the time chart. The selected time range is updated.	Other views are synchronized to the selected range. Event at or following the selected time is selected in the event table.	Manual	Pass	
3.3	External synchronization (single time)	In event table, select an event.	Selected time line is updated to the event time. If necessary, range is updated to show selected time.	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**					
4.1	Mouse wheel synchronization	Zoom in/out with mouse wheel while holding Ctrl.	Other views are synchronized to the new range	Manual	Pass	
4.2	Mouse drag zoom synchronization	Drag zoom with right-button on time chart.	Other views are synchronized to the new range	Manual	Pass	
4.3	Mouse drag move synchronization	Drag move with ctrl-left or middle button on time chart.	Other views are synchronized to the new range	Manual	Pass	
4.4	Mouse full range synchronization	Double-click with left button on time chart's time scale.	Other views are synchronized to the full range	Manual	Pass	

4.5	External synchronization	In any other view that supports range synchronization, select a new zoom range.	View range is updated to the new range	Manual	Pass	
5	**Event Table Synchronization**					
5.1	Search synchronization	Enter a search regex in event table	Matching events are marked in time chart	Manual	Pass	
5.2	Search cleared	Clear the search regex in event table	Marks are removed in time chart	Manual	Pass	
5.3	Filter synchronization	Enter a filter regex in event table	Non-matching events are removed from time chart	Manual	Pass	
5.4	Filter cleared	Clear the filter regex in event table	All events are shown in time chart	Manual	Pass	
5.5	Bookmark synchronization	Add a bookmark in event table	Bookmarked event is marked in time chart	Manual	Pass	
5.6	Bookmark cleared	Remove the bookmark in event table	Mark is removed in time chart	Manual	Pass	

	Section	Pass	Fail	Type	To Do	Comment
	TMF - Custom Parsers	28	0	6	0	4
Target:	Linux 64					

Step	Test Case	Action	Verification	Type		Comment
0	**Prerequisites**					
0.1	Get custom parser definition and logs	Find text and XML parser definitions in Traces.zip/traces/customParsers and logs in /import				
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 Custom Parsers dialog and import text and XML custom parser definitions	Custom parsers imported (TmfGeneric, Custom XML Log)	Manual	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.	Manual	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... button, enter Trace type, change stuff, 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.	Manual	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.	Manual	Pass	
2.7	New (XML)	Select "XML" radio button, click New... button, enter Log Type, write an xml log in the input, <a><c>1</c><d>1</d><c>2</c><d>1</d> then click on the "feeling lucky" button. Set b to log entry, set c to timestamp logged and d to message logged, set timestamp format to ss in both text boxes, click Next, click Finish	Custom parser appears in list.	Manual	Pass	
2.8	Edit (XML)	Select custom parser, click Edit..., change stuff, click Next, click Finish	Previously entered data appears, can be edited.	Manual	Pass	

2.9	Export (XML)	Select custom parser, click Export, enter name, click Save	Exported custom parser stored in file system.	Manual	Pass	If you export to an existing .xml that is not an XML custom parser file, the export is ignored without warning to the user. Patrick: Bug 49054 opened.
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	
3	**Custom parser trace handling**					
3.1	Select trace type (text)	Select test file in Traces folder, right-click, select "Select Trace Type > Custom Text > (parser name)"	Trace type is assigned (re-open Select Trace Type sub-menu to verify)	Manual	Pass	Or select the trace and verify the trace type in the properties view
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	selection in raw view is hard to see
3.5	Select trace type (XML)	Select test file in Traces folder, right-click, select "Select Trace Type > Custom XML > (parser name)"	Trace type is assigned (re-open Select Trace Type sub-menu to verify)	Manual	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**					should this be in events editor?
4.1	Show Raw Viewer	1) Open Custom text trace 2) 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)	1) select event in raw viewer with mouse 2) 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	Type	To Do	Comment	
	TMF - State System Explorer	14	0	5	0		
Target:	Ubuntu 14.04 64 bit						

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 re-populated	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	Some state systems ID's should be renamed for Trace Compass	84711
2.4	Open view when trace is already loaded	1) Close State System Explorer View 2) Load LTTng trace 3) Open 'State System Explorer' view	Verify that view is populated with state systems from trace	SWTBot	Pass	(if the state system were already built)	84711
2.5	Open Experiment	Open Experiment with 2 or more LTTng traces	Verify that view is populated with all kernel state system and statistics state systems of opened experiment (separated by trace)	Manual	Pass	The values are only available for time ranges where the trace exists. Only after we've "visited" other timestamps, then the attributes show up and print "Out of range". http://eclip.se/443653 Bruno : I find the separation weird, and sincce I never used this view i'd like someone else to test this item. (Only the items in the second trace are expendable)	
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		
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		
3	**Timestamp / Time Range Selection**						
3.1	Select timestamp	Select time in another view (e.g Histogram view) that supports time synchronization	Verify that state values are updated	Manual	Pass		
3.2	Select time range	Select a time range in another view that supports time synchronization	Verify that only the start of the range is taken in consideration (changing the end time of the range should not affect the displayed values)	Manual	Pass		
4	**Displaying of Changed Values**						
4.1	Highlighting of changed values	Select many different timestamps one after the other	Attributes whose value changed in the last timestamp selection should be highlighted in yellow.	Manual	Pass		
4.2	“Only Display Changes at Selected Timestamp” option with event selection	Enable the “Only Display Changes at Selected Timestamp” option with the toolbar button. Select different Events from the Event Table.	Verify that only the state values that changed because of that event are displayed.	Manual	Pass		
	“Only Display Changes at Selected Timestamp” with timestamp selection	Enable the “Only Display Changes at Selected Timestamp” option. Select *timestamps* corresponding to state changes (for example, using the previous/next buttons in the Control Flow View).	Verify that only the state values that changed at that timestamp are displayed.	Manual	Pass		

	Section	Pass	Fail		To Do	Comment
	TMF - Call Stack View	23	1	14	0	8
Target:	Windows 7 64 bit					

Step	Test Case	Action	Verification			Comment
0	**Download the test resources**	Download this				
1	**Preparation**					
1.1	Open TMF Call Stack View	Use menu Window → Show View → Other … → Tracing → Call Stack	Verify that 'Call Stack' view is shown	SWTBot	Pass	Path is actually Window -> Show view -> Tracing -> Call stack
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>)”	Manual	Pass	
1.3	Import cyg-profile trace	Import the trace in the "trace" directory of the downloaded zip	Verify that the Callstack 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 Callstack View is populated with some callstack information.	SWTBot	Pass	
2	**Manage View**					
2.1	Delete view	Close the Call stack view' View	'Call Stack' view is removed from perspective	Manual	Pass	
2.2	Open view	Use menu Window → Show View → Other … → Tracing → Call Stack	'Call Stack' view is displayed and re-populated	SWTBot	Pass	See comment 1.1. about the path
2.3	Open Trace	Open "trace(-fast)" trace	Verify that view is populated with call stack information	SWTBot	Pass	
2.4	Open view when trace is already loaded	1) Close 'Call Stack' view 2) Open "glxgears-cyg-profile(-fast)" trace located in the git in ctf test 3) Open 'Call Stack' view	Verify that view is populated with call stack information	SWTBot	Pass	
2.5	Open Experiment	Open Experiment with 2 or more Call Stack traces. (You can use both traces)	Verify that view is populated with all call stack information (separated by trace).	Manual	Fail	second trace is hidden in the first trace, needs to be expanded to show
2.7	Select other trace	Select different trace by clicking its Events editor tab	View is updated to show selected trace.	Manual	Pass	
2.6	Restart	Restart Eclipse with Call Stack trace opened	Verify that view is populated with call stack from trace	Manual	Pass	
2.7	Close all traces	Close traces and experiment one by one from the editor tab	Verify that Call Stack view is cleared after closing the last trace	Manual	Pass	
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. Selected time is updated in other views.	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 selected function	SWTBot	Pass	
3.4	Zoom to function (time graph)	Double-click on a function (interval) in the time graph pane	Time range is updated to the full duration of the selected function	SWTBot	Pass	
3.5	Go to first event in trace	Go to events editor, press home	the call stack view is updated	Manual	Pass	Fixed in https://git.eclipse.org/r/#/c/80177/1
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, time range is updated to include it.	SWTBot	Pass	The vertical scroll bar is not updated(Sonia: only when you select a rendom time in the histogram view).If you select an event (in another view)before the start of the calls, the vertical scroll bar goes down.
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. Vertical scroll bar is updated if necessary.	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 file**					

5.1	Invalid text file import	Open 'trace' from Fibonacci.zip. Click the "Select a mapping file" button in the view and click "Browse" to select a random .txt file that does not contain any debugging info.	The function addresses do not change.	Manual	Pass	
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	The symbol mapping is applied on view level. If multiple traces are opened, or if an experiment with multiple traces is opened, they cannot each have their own mapping. Bug 459909. France : I am not sure what to do here Sonia : The bug is resolved , you can specify a mapping file for each trace if you have a multiple traces in one experiment.
6	**Function name import - CDT**					
6.1	Binary import	Click the "Select a binary file" 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	Sonia :you have to specify the binary file for each trace.The view won't display the function names for the both traces if we select the fibonacci executable for a trace in an experiment with multiple traces.
6.2	Binary import lttng 2.8+	Open an lttng 2.8+ trace with the executable present	The view now displays the function names for the trace	Manual	Pass	

	Section	Pass	Fail	Type	To Do	Comment
	GDB Tracing	**25**	**0**	**5**	**0**	**0**
Target:	Ubuntu 14.04 64 bit					
	GDB 7.11.1	**Eclipse CPP EPP RC2**				
Step	**Test Case**	**Action**	**Verification**	**Type**		**Comment**
1	**Preparation**					
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)	Navigator View opens	Manual	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	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 Folder, …)	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 icon	Manual	Pass	
4	**Trace Configuration**					
4.1	Project/executable selection	Double-click on an un-configured trace	Verify that an Error Dialog opens that notfiies the user to select the trace executable	Manual	Pass	
4.2	Select Trace Executable	1) Right mouse click on trace 2) Select menu item "Select Trace Executable" 3) Fill in the proper values in dialog and finish	Trace is configured (4.3 is successful, when 4.2 was successful)	Manual	Pass	
4.3	Open configured trace	Double-click on a configured trace	Trace is opened, events table and views are populated	Manual	Pass	
5	**Source Code Lookup**					
5.1	Select event	With mouse select an event in events table	The corresponding source code location is selected in the source code file.	Manual	Pass	
5.2	Select another event	redo 5.1	The corresponding source code location is selected in the source code file.	Manual	Pass	
6	**Events Table Navigation**					
6.1	Arrow keys	Update the current event using up/down keys within window	Each keystroke modifies the selected event and the corresponding source code location is selected in the source code file.	Manual	Pass	
6.2	Scrolling	Update the current event using up/down keys outside window	Table is refreshed to display new current event and the corresponding source code location is selected in the source code file	Manual	Pass	
6.3	PgUp/PgDn	Update the current event using PgUp/PgDn keys	Table is scrolled accordingly	Manual	Pass	
6.4	Home/End	Update the current event using Home/End keys	Table jumps from first to last event and the corresponding source code location is selected in the source code file	Manual	Pass	
7	**Events Searching & Filtering**					
7.1	Search	In the search bar, enter some RE	Events corresponding to the RE are highlighted	Manual	Pass	
7.2	Navigation	Navigate through highlighted events using Enter/Shift-Enter	Next/previous highlighted event selected accordingly	Manual	Pass	
7.3	Un-search	In the search bar, clear the RE	Events are displayed normally	Manual	Pass	
7.4	Filter	In the search bar, enter some RE and press Ctrl+Enter	Only events matching RE are displayed	Manual	Pass	
7.5	Filter & Search	In the filter bar, enter some RE; likewise in the search bar	Events are filtered and highlighted accordingly	Manual	Pass	
7.6	Un-filter	In the filter header, remove the filter	Events are displayed normally	Manual	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 updated	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		To Do	Comment
	TMF - Remote Fetching	52	0	15	0	9
Target:	Ubuntu 14.04 64 bit					

Step	Test Case	Action	Verification	Type		Comment
1	Preparation					
1.1	Step 1	Open Trace Compass and reset Lttng perspective	Lttng perspective opens with correct views			
2	Opening					
2.1	Open Profile Editor 1	Right-click on Traces Folder -> Fetch Remote Traces … -> Manage Profiles	The Profile Editor of preference page opens	SWTBot	Pass	Bruno : Not this test, but the Fetch Remotes Traces dialog, has a help button that does nothing. Patrick: See Bug 440238.
2.2	Open Profile Editor 2	Window -> Preferences-> Tracing -> Remote Profiles	The Profile Editor of preference page opens	SWTBot	Pass	
3	Edit Profile - Add/Delete					
3.1	Create Profile	Open Profile Editor > Click on 'Add' > Enter profile name, remote information, root path and trace pattern	New Profile is created and template is provided	SWTBot	Pass	
3.2	Add Node	Select Profile node > right mouse click > select 'New Connection Node'	New Connection Node is create under the profile and template is provided	SWTBot	Pass	
3.3	Add trace group	Select node node > righ mouse click > select 'New Trace Group'	New Trace Group is created under the node and template is provided	SWTBot	Pass	
3.4	Add trace	Select trace group > right mouse click > select 'New Trace'	New Trace is created under Trace Group and template is provided	SWTBot	Pass	
3.5	Delete Trace	Select trace > right mouse click > select Delete	Trace is deleted	SWTBot	Pass	
3.6	Delete Trace Group	Select Trace Group> right mouse click > select Delete	Trace Group is deleted	Manual	Pass	
3.7	Delete Connection Node	Select Connection Node > right mouse click > select Delete	Connection Node is deleted	Manual	Pass	
3.8	Remove Profile	Select Profile > click on 'Remove' button	Profile is deleted	SWTBot	Pass	
4	Edit Profile - Reorder					
4.1	Move profile up/down	Create at 2-3 profiles > select 2nd profile and press buttons 'Move Up'/'Move Down'	Profiles are moved up and down	Manual	Pass	
4.2	Move connection node up/down	Make sure that there are 2 or 3 connection nodes > select 1 connection node > click buttons 'Move Up'/'Move Down'	Connection Nodes are moved up and down within a profile	Manual	Pass	
4.3	Move Trace Group up/down	Make sure that there are 2 or 3 trace gropus > select 1 trace group > click buttons 'Move Up'/'Move Down'	Trace Groups are moved up and down within a connection node	Manual	Pass	
4.4	Move Trace up/down	Make sure that there are 2 or 3 trace groups > select 1 traces > click buttons 'Move Up'/'Move Down'	Traces are moved up and down within a Trace Group	SWTBot	Pass	
5	Edit Profile - Copy, Cut, Paste					
5.1	Copy/Paste Profile	Select Profile > click right mouse button on a profile > Select Copy -> click right mouse button on other profile > Select Paste	Profile is pasted under the selected profile	Manual	Pass	
5.2	Copy/Paste Profile (Keys)	Redo 5.1 with CTRL+C and CTRL+V keys	Profile is pasted under the selected profile	Manual	Pass	
5.3	Copy/Paste Connection Node	Select Profile > click right mouse button on a Connection Node > Select Copy -> click right mouse button on other Connection Node > Select Paste	Profile is pasted under the selected Connection Node	Manual	Pass	
5.4	Copy/Paste Connection Node (Keys)	Redo 5.3 with CTRL+C and CTRL+V keys	Profile is pasted under the selected Connection Node	Manual	Pass	
5.5	Copy/Paste Trace Group	Select Profile > click right mouse button on a Trace Group > Select Copy -> click right mouse button on other Trace Group > Select Paste	Profile is pasted under the selected Trace Group	Manual	Pass	
5.6	Copy/Paste Trace Group (Keys)	Redo 5.5 with CTRL+C and CTRL+V keys	Profile is pasted under the selected Trace Group	Manual	Pass	
5.7	Copy/Paste Trace	Select Profile > click right mouse button on a Trace > Select Copy -> click right mouse button on other Trace > Select Paste	Profile is pasted under the selected Trace	SWTBot	Pass	
5.8	Copy/Paste Trace (Key)	Redo 5.5 with CTRL+C and CTRL+V keys	Profile is pasted under the selected Trace	Manual	Pass	
5.9	Cut/Paste	Redo 5.1 - 5.8 with cut and paste	Successful cut and paste	Manual	Pass	Trace (5.7) is done with SWTBot

6	**Edit Profile - Adverserial**					
6.1	Error empty profile name	Clear profile name	Error message "Profile must not be empty"	Manual	Pass	
6.2	Duplicate profile name	Add profile with name of existing profile	Error message "<name>: Duplicate profile name"	Manual	Pass	
6.3	Error empty Connection node name	Clear Connection node name	Error message "Node name must not be empty"	Manual	Pass	
6.4	Duplicate Connection node name	Within a profile, add Connection node with name of existing node	Error message "Duplicate node names"	Manual	Pass	
6.5	Missing username in URI	remove user name of a Connection Node	Error message "URI must include user information"	Manual	Pass	
6.6	Invalid URI	add invalid URI	Error message "URI must include valid host and port number" or "Unsupported URI scheme"	Manual	Pass	
6.7	Error empty Trace Group	Delete Trace Group root path	Error message "Root path must not be empty"	Manual	Pass	
6.8	Error empty Trace	Delete File Pattern	Error message "File pattern must not be empty"	Manual	Pass	
6.9	Invalid File pattern	Add trace with invalid regular expression	Error message "Invalid file pattern"	Manual	Pass	
5	**Export/Import Profile**					
7.1	Export Profile	Select multipe profiles > Click Export Button > Select Folder and enter file name > OK	Only selected profiles are exported	SWTBot	Pass	
7.2	Import Profile	Click on Import Button > select profile XML file > OK	Profiles are imported	SWTBot	Pass	
7.3	Import Profile	Redo 7.2	after second import an error message appears "Duplicate profile names"	Manual	Pass	
8	**Remote Fetch Wizard**					
8.1	Preparation	1) Import Test Profiles (test-profiles.xml) from test spec. template directory 2) Edit profiles in Fetch Remote Traces > Manage profiles 3) Change 'user' and '127.0.0.1' for all connection nodes if necessary 3) Extract traces.zip from test spec. template directory in /tmp 4) Load custom text parsers located in traces.zip (traces/customParsers)				
8.2	Create and run Profile "new Profile" (syslog + synthetic CTF trace in sub-directory)	1) Create traces in /tmp/traces/syslog and /tmp/traces/generated/synthetic-trace 2) Create Profile with Local connection, 1 trace group (root /tmp/traces/) and 2 traces (.*syslog.* and .*synthetic.*) in this group 3) Select profile in Fetch Remote Traces wizard (Remote Profile page) 4) Click on 'Next' button 5) Click on 'Finish'	Verify that all test traces are imported with correct trace types assigned. Verify that folder structure is preserved.	SWTBot	Pass	Local connection is used in SWTBot
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.3	Create and run Profile "new Profile" (syslog + synthetic CTF trace in sub-directory), only 1 trace selected	1) Create traces in /tmp/traces/syslog and /tmp/traces/generated/synthetic-trace 2) Create Profile with Local connection, 1 trace group (root /tmp/traces/) and 2 traces (.*syslog.* and .*synthetic.*) in this group 3) Select profile in Fetch Remote Traces wizard (Remote Profile page) 4) Click on 'Next' button 5) 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	Local connection is used in SWTBot
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.4	Run Profile "TestAllRecursive"	1) Select profile "TestAllRecursive" in Fetch 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.	Manual	Pass	

8.5	Re-run Profile "TestAllRecursive" (Rename)	1) Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish' 4) In dialog box select 'Rename' for the first trace and 'Rename ALL' for the second traces	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.	Manual	Pass	
8.6	Re-run Profile "TestAllRecursive" (Overwrite)	1) Select profile "TestAllRecursive" in Fetch 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 trace and 'Overwrite ALL' for the second traces	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.	Manual	Pass	
8.7	Re-run Profile "TestAllRecursive" (Skip)	1) Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish' 4) In dialog box select 'Skip' for the first trace and `Skip ALL' for the second traces	Verify that all test traces are skipped and no trace is imported	Manual	Pass	
8.8	Re-run Profile "TestAllRecursive" (Overwrite 2)	1) Select profile "TestAllRecursive" in Fetch 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.	Manual	Pass	
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.9	Re-run Profile "TestAllRecursive" (2)	1) Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Finish' (enter password if needed)	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 directory structure is preserved.	Manual	Pass	
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.10	Run Profile "TestAllNonRecursive"	1) Select profile "TestAllNonRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) 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.	Manual	Pass	
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.11	Run Profile "TestSpecificRecursive"	1) Select profile "TestSpecificRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) 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.	Manual	Pass	Profile has trace type 'Generic CTF Trace' but trace imported as 'Linux Kernel Trace'. Patrick: Looks intentional, see RemoteGenerateManifestOperation:186.
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.12	Run Profile "TestSpecificNonRecursive"	1) Select profile "TestSpecificNonRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) 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.	Manual	Pass	Profile has trace type 'Generic CTF Trace' but trace imported as 'Linux Kernel Trace'. Patrick: Looks intentional, see RemoteGenerateManifestOperation:186.
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.13	Run Profile "TestSpecificMutliGroupRecursive"	1) Select profile "TestSpecificMultiGroupRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) 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.	Manual	Pass	Profile has trace type 'Generic CTF Trace' but trace imported as 'Linux Kernel Trace'. Patrick: Looks intentional, see RemoteGenerateManifestOperation:186.
	Clear traces	Delete all traces from Traces directory	All traces deleted			

8.14	Cancel Import	1) Select profile "TestAllRecursive" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) Click on 'Finish' 4) Cancel import (red square or Cancel button)	Verify that import operation is cancelled	Manual	Pass	
	Clear traces	Delete all traces from Traces directory	All traces deleted			
8.15	Run Profile "TestMultiNodes"	1) Select profile "TestMultiNodes" in Fetch Remote Traces wizard (Remote Profile page) 2) Click on 'Next' button (enter password if needed) 3) 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	Manual	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)	Manual	Pass	
9.2	Error cannot connect to remote host (wrong password)	Create profile 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	Manual	Pass	Bruno : Not really a bug, but you have to fail your password 5 times before having the first error dialog poput. Only then you see the Internal error Cannot connect <node name>, message. Patrick: This is the Remote Systems implementation with retries.
10	**Other Remote Backends**					
	Clear traces	Delete all traces from Traces directory	All traces deleted			
10.2	Remote Fetch using Local	Create profile (see 7.3) with URI scheme file (instead of ssh) and node name Local and redo test 7.3	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	See tests 7.2/7.3

	Section	Pass	Fail	Type	To Do	Comment
	LTTng 2.0 - Control Flow View	51	0	14	0	10
Target:	Windows					

Step	Test Case	Action	Verification			Comment
0	**Prerequisites**					
0.1	Import traces	Import LTTng Kernel traces in Tracing project				
0.2	Create experiment	Create an experiment with LTTng Kernel traces				
1	**View management**					
1.1	Open perspective	Open and reset LTTng Kernel Perspective	Control Flow view opens.	SWTBot	Pass	
1.2	Open trace	Open LTTng 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 LTTng 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.	Manual	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 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**					
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.	Manual	Pass	What is called 'time range' here should actually be called 'window span'. Documentation fix : what does "states are updated" imply?
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.	Manual	Pass	Documentation fix : what does "states are updated" imply?
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.	Manual	Pass	Documentation fix : what does "states are updated" imply?
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		
3.6	Drag zoom 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.	Manual	Pass	Documentation fix : what does "states are updated" imply?	
3.7	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.	Manual	Pass	Documentation fix : what does "states are updated" imply?	
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		
3.10	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 (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass		
3.11	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 (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass		
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. 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		
5	**Tool bar handling**						
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.	Manual	Pass	Documentation fix : what does "states are updated" imply?	
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 other views.	Manual	.....	Documentation fix : what does "states are updated" imply?	
5.6	Filter Dialog	Open Filter Dialog	Verify that all buttons are working correctly	SWTBot	Pass	Pro tip: "Uncheck selected" and "Uncheck subtree" do the same thing	

5.7	Filter Processes	1) Open Filter Dialog 2) Deselect several processes 3) Press Ok	Verify that only selected processes are displayed in the view	SWTBot	Pass		
5.8	Hide Arrows	Click Hide Arrows button	Verify that arrows are not drawn in the time 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		
5.10	Follow CPU Backward	With focus on time graph, click Follow CPU Backward button	Time graph is updated to show the previous state for this cpu following the arrow, the 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	verify that the processes did not move, the optimization is stable	SWTBot	Pass		
5.13	Go to next event of selected thread	Select a thread and click on go to next event 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 next event of selected thread	Verify in the events table that the selected thread is the same as the previous event	Manual	Pass		
6	**Synchronization**						
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		
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		
6.3	Window range synchronization	Select a new window range in Resources 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	Tested with Ressources view, Control Flow view and Histogram view.	
7	**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-overlap-testing 3) Import UST ${local} /traces/import/trace ust-overlap-testing 4) Create experiment with trace of 2) in it**					
7.1	Open multiple traces (no overlap)	Open multiple traces that don't overlap in time	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. Selected time line and time range are restored to the selected trace's previously selected time and range.	Manual	Pass		
7.4	Open multiple traces (overlap)	Open multiple traces that overlap in time	View shows the last opened trace	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. Selected time line and time range are set to the newly selected time and range.	Manual	Pass		
7.7	Close all traces	Close all Events editor tabs	View is cleared.	Manual	Pass		
8.1	**Filtering**						
	Preparation	Open 2 LTTng Kernel Traces					
8.1	Apply filter (1st trace)	1) Open filter dialog 2) Create filter 3) Click on OK	Make sure that only selected processes of filter dialog are shown	SWTBot	Pass		
8.2	Apply filter (2nd trace)	1) Switch to 2nd trace (keep 1st open) 2) Open filter dialog 3) Create filter 4) 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)	1) Open LTTng Kernel Trace 2) Select Control Flow View 3) Restart Eclipse	Verify that Control Flow View is populated	Manual	Pass		
9.2	Select single time (Bug 477009)	1) Open LTTng UST trace while CFV is open 2) Select event in events table	Verify that current window range stays doesn't change	Manual	Pass		
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		To Do	Comment
	LTTng 2.0 - Resources View	40	0	6	0	3
Target:	Windows 7					

Step	Test Case	Action	Verification			Comment
0	**Prerequisites**					
0.1	Import traces	Import LTTng Kernel traces in Tracing project				
0.2	Create experiment	Create an experiment with LTTng Kernel traces				
1	**View management**					
1.1	Open perspective	Open and reset LTTng Kernel Perspective, and select Resources view	Resource view opens.	SWTBot	Pass	
1.2	Open trace	Open LTTng Kernel trace in Project Explorer	Resource view is populated with traces (sorted by name) and their resources as tree children (sorted by resource type then numerically) Range is set to initial offset.	SWTBot	Pass	
1.2	Open experiment	Open experiment with LTTng Kernel traces in Project Explorer	Resource view is populated with traces (sorted by name) and their resources as tree 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	
1.4	Open view	Open the Resources view	Resources view is opened and populated with processes.	SWTBot	Pass	
2	**View selection**					
2.2	Select resource in time graph	Select a resource in the time graph (empty region)	Resource is highlighted. Selected time line is updated. Other views are synchronized to selected time.	Manual	Pass	
2.3	Select state in time graph	Select a state in the time graph	State is highlighted in time graph. Selected time line is updated. Other views are synchronized to selected time.	Manual	Pass	
3	**Mouse handling**					
3.1	Drag move canvas	Drag move time graph left and right with middle button	Time range is dragged. When mouse button is released, states are updated and new window range is propagated to other views.	Manual	Pass	
3.2	Zoom time range (mouse wheel)	Zoom with mouse wheel up and down on header or Ctrl+mousewheel in the 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	
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.	Manual	Pass	
3.4	Mouse vertical scroll	Scroll with mouse wheel up and down, cursor outside time graph (in name space)	Time graph scrolls up and down. Selected process does not change. Vertical scroll bar updated.	Manual	Pass	

3.5	Vertical scroll bar	Click and drag vertical scroll bar	Time graph scroll up and down and remain aligned. Selected process does not change.	Manual	Pass	
3.6	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.	Manual	Pass	
3.7	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.	Manual	Pass	
3.8	Mouse hover (empty region)	Hover mouse in time graph over empty 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 number is shown. For IRQ_ACTIVE/SOFT_IRQ_ACTIVE state, CPU is shown.On usermode and syscall tool tip shows also shows hover time, tid and process name.	Manual	Pass	When not zoomed enough, tool tip does not show CPU for IRQ_ACTIVE/SOFT_IRQ_ACTIVE state.
3.10	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 (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass	
3.11	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 (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass	
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.	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.	Manual	Pass	
5	**Tool bar handling**					
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.	Manual	Pass	
5.3	Select Previous/Next Event	Click Previous/Next State button	Previous or next state is selected. Selected time is updated in other views.	Manual	Pass	
5.4	Select Previous/Next Process	Click Previous/Next Process button	Selected process is changed in time graph. Vertical scroll bar updated.	Manual	Pass	Pass if Next Process refers to Next Resource, else buttons don't exist
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 other views.	Manual	Pass	

5.6	Filter Dialog	Open Filter Dialog	Verify that all buttons are working correctly	Manual	Pass	
6	**Synchronization**					
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	
6.2	Time range synchronization	Select a new time range in Control Flow 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 begin time (T1) of selected time range is outside the current range, then time range is updated to include it	Manual	Pass	Status bar of Eclipse is updated only for timegraph views
7	**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-overlap-testing 3) Import UST ${local} /traces/import/trace ust-overlap-testing 4) Create experiment with trace of 2) in it**				
7.1	Open multiple traces (no overlap)	Open multiple traces that don't overlap in time	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. Selected time line and time range are restored to the selected trace's previously selected time and range.	Manual	Pass	
7.4	Open multiple traces (overlap)	Open multiple traces that overlap in time	View shows the last opened trace	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. Selected time line and time range are set to the newly selected time and range.	Manual	Pass	
7.7	Close all traces	Close all Events editor tabs	View is cleared.	Manual	Pass	
8.1	**Filtering**					
	Preparation	Open 2 LTTng Kernel Traces				
8.1	Apply filter (1st trace)	1) Open filter dialog 2) Create filter 3) Click on OK	Make sure that only selected processes of filter dialog are shown	SWTBot	Pass	
8.2	Apply filter (2nd trace)	1) Switch to 2nd trace (keep 1st open) 2) Open filter dialog 3) Create filter 4) Click on OK	Make sure that only selected processes of filter dialog are shown	Manual	Pass	
8.3	Persistent filter	Switch between both open traces	Make sure that previously set filter are still available	Manual	Pass	

9	**Miscellaneous**					
9.1	Restart (Bug 409345)	1) Open LTTng Kernel Trace 2) Select Resource View 3) Restart Eclipse	Verify that Resources View is populated	Manual	Pass	

	Section	Pass	Fail	Type	To Do	Comment
	LTTng 2.0 - Control View	131	0	24	0	17
Target:	Ubuntu 14.04 64 bit					
	LTTng Tools 2.9.6, Built-in SSH					

Step	Test Case	Action	Verification	Type		Comment
0	**Prerequisites**					
		For the tests below a Ubuntu machine with LTTng 2.0 installed (with lttng tools 2.5.x or later) is required. Make sure that the root session daemon is running (sudo lttng list -k) and have one UST process running (e.g. from lttng-tools git repository under tests/hello.cxx)	LTTng Tracer Control User Guide: http://wiki.eclipse.org/Li			
0.1	Set Proxy	a) Window → Preferences → General → Network Connections b) Set "Active Provider" to "Direct"				
1	**General**					
1.1	Open perspective	Open and reset LTTng Kernel Perspective	LTTng Kernel perspective opens with correct Control view on the left bottom corner	SWTBot	Pass	
2	**Manage View**					
2.1	Close view	Close Control View	Control view is removed from perspective	Manual	Pass	
2.2	Open Control view	Use menu Window → Show View → Other … → Lttng → Control	Verify that Control view is shown	SWTBot	Pass	
3	**Connection Handling**					
3.1	Create Host Connection	1) Click Button 'New Connection...' 2) Select Tree item "Built-in SSH" and click on Create 3) Enter Connection Name (e.g. MyHost), enter Host Name (a DNS name or IP address), username and password 4) Click 'Finish' 5) In Tree select the newly create connection and click on 'Ok'	Make sure that after 4) the new connection is shown in the tree. Verify that the new host is shown in the Control view (with 'Connection Name'. After Ssh connection has been established, make sure that Provider and Session nodes are created in the Control view underneath the host. Verify that all active Providers (Kernel and UST providers) are shown under the 'Provider' node.	Manual	Pass	
3.2	Disconnect	a) Select host to disconnect and click Button 'Disconnect' b) Redo test with context sensitive menu item 'Disconnect'	Verify that icon for the corresponding node changes to the disconnect icon and all sub-nodes are removed.	Manual	Pass	
3.3	Connect	a) Select host to connect and click Button 'Connect' b) Redo test with context sensitive menu item 'Connect'	Verify that icon for the corresponding node changes to the connected icon and after successful SSH connection all data is retrieved form the remote host (Providers, sessions etc).	Manual	Pass	
3.4	Select Host Connection	1) Restart Eclipse 2) Click Button 'New Connection...' 3) Select the host previously created 4) Select 'Ok'. (Afterwards enter user ID and Password if necessary)	Make sure that SSH connection is established and all data is retrieved from the remote host ((Providers, sessions etc).	Manual	Pass	
3.5	Node contexts sensitive menu (host connected)	1) Connect to remote host 2) select connected node and click right mouse button	Verify that menu items are shown and enabled/disabled depending on state: 'Connect' (disabled) Disconnect (enabled) Refresh (enabled) Delete (disabled)	Manual	Pass	
3.6	View button enable state (host connected)	1) Connect to remote host (if necessary) 2) select connected node	Verify enable state of view buttons: 'New Connection...' (enabled) 'Connect' (disabled) 'Disconnect' (enabled) 'Refresh' (enabled) 'Delete' (disabled) 'Start' (disabled) 'Stop' (disabled) 'Destroy Session...' (disabled) 'Record Snapshot' (disabled) 'Import...' (disabled)	Manual	Pass	
3.7	Node contexts sensitive menu (host disconnected)	1) Disconnect from node 2) select disconnnected node and click right mouse button	Verify that menu items are shown and enabled/disabled depending on state: 'Connect' (enabled) 'Disconnect' (disabled) 'Refresh' (disabled) 'Delete' (enabled)	Manual	Pass	
3.8	View button enable state (host connected)	1) Disconnect to remote host (if necessary) 2) select disconnected node if necessary	Verify enable state of view buttons: 'New Connection...' (enabled) 'Connect' (enabled) 'Disconnect' (disabled) 'Refresh' (disabled) 'Delete' (enabled) 'Start' (disabled) 'Stop' (disabled) 'Destroy Session...' (disabled) 'Record Snapshot' (disabled) 'Import...' (disabled)	Manual	Pass	

3.9	Delete	a) Select node to delete (state disconnected) and click on button 'Delete' b) Redo test with context sensitive menu item 'Delete'	Verify that host is removed from the control view.	Manual	Pass
3.10	Create Host Connection with ssh port	re-do 3.1 but this time specify a port number other than default SSH port 22	The connection should fail (unless remote is configured for the specified port)	Manual	Pass
4	**Session Handling**				
4.1	Preparation	1) Connect to remote host	-		
4.2	Sessions Context Sensitive Menu	Select 'Sessions' in tree and click right mouse button	Verify that menu items are shown and enabled: 'Refresh', 'Create Session…', Load…' and 'Execute Command Script …'	Manual	Pass
4.3	Create Session (default location)	1) Click right mouse button on 'Sessions' 2) Select 'Create Session…' in the context sensitive menu 3) Enter session name 'MySession', keep 'Session Path' empty 4) Select 'Ok'	Verify that new session is added under the Session tree node. Verify properties in Properties view (by selecting the session in the Control view): 'Session name' (=MySession) 'Session Path' (=/home/<user>/traces/MySession_<date and time>) and 'State' (=INACTIVE)	SWTBot	Pass
4.4	Create Session (custom location)	1) Click right mouse button on 'Sessions' 2) Select 'Create Session…' in the context sensitive menu 3) Enter session name 'MyOtherSession' 4) enter custom path (/tmp/myTraces) for 'Session Path' 5) Select 'Ok'	Verify that new session is added under the Session tree node. Verify properties in Properties view (by selecting the session in the Control view): 'Session name' (=MyOtherSession) 'Session Path' (=/tmp/myTraces) and 'State' (=INACTIVE)	Manual	Pass
4.5	Create Session – session already exists in GUI	1) Click right mouse button on 'Sessions' 2) Select 'Create Session…' in the context sensitive menu 3) Enter session name 'MySession', keep 'Session Path' empty	Make sure that an error message appears in the message area of the dialog box with information that session 'MySession' already exists in the tree.	Manual	Pass
4.6	Create Session – session already exists on node	1) login to the remote host using a command shell 2) type lttng create newSession and press enter. This will create a session which is not know by the Control view. 3) Click right mouse button on 'Sessions' 4) Select 'Create Session…' in the context sensitive menu 5) Enter session name 'newSession', keep 'Session Path' empty 6) Select 'Ok'	Verify that an error dialog box will show with information that command to create a session failed. session already exists on the node. Select 'Details': Verify that the command error detail is shown (with return value (28))	Manual	Pass
4.7	Session Context Sensitive menu (session inactive)	Select newly created session and click right mouse button	Verify context sensitive menu items: 'Refresh' (enabled) 'Start' (enabled) 'Stop' (disabled) 'Destroy Session…' (enabled) 'Import…' (enabled) 'Save…' (enabled) 'Enable Channel…' (enabled) 'Enable Event (default channel)...' (enabled) 'Record Snapshot' (disabled)	Manual	Pass
4.8	View button enable state (session inactive)	Select newly created session (enable an event before)	Verify enable state of view buttons: 'New Connection…' (enabled) 'Connect' (disabled) 'Disconnect' (disabled) 'Refresh' (enabled) 'Delete' (disabled) 'Start' (enabled) 'Stop' (disabled) 'Destroy Session…' (enabled) 'Import…' (enabled) 'Record Snapshot' (disabled)	Manual	Pass
4.9	Start Session	a) Enable an event b) Select session and click on button 'Start' c) Redo test with context sensitive menu item 'Start'	Verify that Session icon changes to 'ACTIVE' icon. Verify that property view shows 'ACTIVE' for the session state	SWTBot	Pass
4.10	Session Context Sensitive menu (session active)	Select started session and click right mouse button	Verify context sensitive menu items: 'Refresh' (enabled) 'Start' (disabled) 'Stop' (enabled) 'Destroy Session…' (disabled) 'Import…' (disabled) 'Enable Channel…' (disabled) 'Enable Event (default channel)...' (disabled)	Manual	Pass
4.11	View button enable state (session active)	Select started session	Verify enable state of view buttons: 'New Connection…' (enabled) 'Connect' (disabled) 'Disconnect' (disabled) 'Refresh' (enabled) 'Delete' (disabled) 'Start' (disabled) 'Stop' (enabled) 'Destroy Session…' (disabled) 'Import…' (disabled)	Manual	Pass
4.12	Destroy Session	1) In the Control view select session 'MyOtherSession' 2) Click right mouse button 3) select 'Destroy Session…' in the context sensitive menu 4) Select 'Ok' in the confirmation dialog box	Verify that session is removed from the control view.	SWTBot	Pass
5	**Kernel Channel Handling**				

5.1	Preparation	1) Connect to remote host 2) Create new Session 'MyOtherSession'	-				
5.2	Enable Channel on session level (default values)	1) Select session and right mouse click 2) Select menu item 'Enable Channel...' 3) Enter Channel name (e.g. myChannel) and keep default values 4) Select Kernel 5) Click on 'Ok'	Verify that domain 'Kernel' is created under session and channel is added under the domain. Verify that default values for the channel are displayed in the Properties view after selecting the channel in the tree.	Manual	Pass		
5.3	Enable Channel on domain level (changed values)	1) Select domain 'Kernel' and right mouse click 2) Select menu item 'Enable Channel...' 3) Enter Channel name (e.g. MyOtherChannel) 4) Change values 5) Click on 'Ok'	Verify that channel is added under the domain. Verify that correct values for the channel are displayed in the Properties view after selecting the channel in the tree.	Manual	Pass		
5.4	Enable Channel – channel already exists	1) Select domain 'Kernel' and right mouse click 2) Select menu item 'Enable Channel' 3) Enter Channel name (e.g. MyOtherChannel) and keep default values 4) Click on 'Ok'	Verify that error dialog box is opened notifying that channel already exists.	Manual	Pass		
5.5	Domain Context Sensitive menu	Select domain 'Kernel' and click right mouse button	Verify context sensitive menu items: 'Refresh' (enabled) 'Enable Channel...' (enabled) 'Enable Event (default channel)...' (enabled) 'Add Context...'' (enabled)	Manual	Pass		
5.6	Channel Context Sensitive menu	Select channel 'MyChannel' and click right mouse button	Verify context sensitive menu items: 'Refresh' (enabled) 'Enable Channel' (disabled) 'Disable Channel' (enabled) 'Enable Event (default channel)...' (enabled) 'Add Context...'' (enabled)	Manual	Pass		
5.7	Disable Channel	1) Select channel 'MyChannel' and click right mouse button 2) Select 'Disable' menu item	Verify that channel is disabled (disabled channel icon shown, state DISABLED shown in Properties view, menu item 'Disable' is disabled and menu item 'Enable' is enabled	Manual	Pass		
5.8	Enable Channel	1) Select channel 'MyChannel' and click right mouse button 2) Select 'Enable' menu item	Verify that channel is enabled (enabled channel icon shown, state ENABLED shown in Properties view, menu item 'Disable' is enabled and menu item 'Enable' is disabled	Manual	Pass		
6	**UST Channel Handling**						
6.1	Enable Channel on session level (default values)	1) Select session and right mouse click 2) Select menu item 'Enable Channel...' 3) Enter Channel name 'MyChannel' 4) Select UST 5) Click on Button 'Default' 5) Click on 'Ok'	Verify that domain 'UST global' is created under session and channel is added under the domain. Verify that default values for the channel are displayed in the Properties view after selecting the channel in the tree.	SWTBot	Pass		
6.2	Enable/Disable Channel	Redo tests 5.7 and 5.8 with UST channel	See 5.7/5.8	Manual	Pass		
7	**Kernel Event Handling**						
7.1	Enable Event on session level (all tracepoints)	1) Select session and click right mouse button 2) Select menu item 'Enable Events (default channel)...' 3) Select 'Kernel' 4) Select Radio button for 'Tracepoint Events' 5) Select top level tree node 'All' 6) Click on Ok	Verify that default channel (channel0) is create under domain 'Kernel' and that all tracepoint events are added under the channel with state ENABLED. Verify properties view show correct values when selecting a event in the tree (Event Type=TRACEPOINT, State=ENABLED)	SWTBot	Pass		
7.2	Enable Event on domain level (syscalls)	1) Select domain Kernel and click right mouse button 2) Select menu item 'Enable Events (default channel)...' 3) Select 'Kernel' 4) Select Radio button for 'All Syscalls' 5) Click on Ok	Verify that event with name syscalls is added under the default channel (channel0) with state ENABLED. Verify properties view show correct values when selecting a event in the tree (Event Type=SYSCALL, State=ENABLED)	SWTBot	Pass		
7.3	Enable Event on Channel level (Dynamic Probe)	1) Select a channel (e.g. channel0) and click right mouse button 2) Select menu item 'Enable Events...' 3) Select Radio button for 'Dynamic Probe' 4) Enter Event Name 'MyEvent' and Probe (e.g. 0xc0101280, see file /boot/System.map<kernel version>, valid symbols have T or t as type, I used 'backtrace_stack' for example) 5) Click on Ok	Verify that event with name 'MyEvent' is added under the respective channel with state ENABLED. Verify properties view show correct values when selecting a event in the tree (Event Type=Probe, State=ENABLED, Address=0xc0101280, Event Name=MyEvent)	Manual	Pass		Command to change state of events failed Command failed! Command: lttng --mi xml enable-event MyEvent -k -s auto-20160607-005527 -c sdf --probe 0xffffffff820a25f5 Error Output: Error: Event MyEvent: Enable kernel event failed (channel sdf, session auto-20160607-005527) Return Value: 43 <?xml version="1.0" encoding="UTF-8"?> <command xmlns="http://lttng.org/xml/ns/lttng-mi" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://lttng.org/xml/ns/lttng-mi htt
7.4	Enable Event on Channel level (Dynamic Function Probe)	1) Select a channel (e.g. channel0) and click right mouse button 2) Select menu item 'Enable Events...' 3) Select Radio button for 'Dynamic Function Entry/Return Probe' 4) Enter Event Name 'MyOtherEvent' and Probe (e.g. create_dev, see file /proc/kallsyms or /boot/System.map<kernel version>) 5) Click on Ok	Verify that event with name 'MyOtherEvent' is added under the respective channel with state ENABLED. Verify properties view show correct values when selecting a event in the tree (Event Type=Function, State=ENABLED, Symbol=create_dev, Offset=0x0, Event Name=MyOtherEvent)	Manual	Pass		Command to change state of events failed Command failed! Command: lttng --mi xml enable-event bob -k -s MyOtherSession --function create_dev Error Ouptut: Error: Event bob: Non-default channel exists within session: channel name needs to be specified with '-c name' (channel <default>, session MyOtherSession) Return Value: 83 <?xml version="1.0" encoding="UTF-8"?> <command><name>enable-event</name><output><events><event><name>bob</name><type>FUNCTION</type><enabled>false</enabled><filter>false</filter><
7.5	Disable Event	1) Select multiple events (tracepoint events) under a channel (not syscalls) and click right mouse button 2) Select 'Disable' menu item	Verify that all selected events are disabled (disabled event icon is shown, state DISABLED is shown in Properties view, menu item 'Disable' is disabled and menu item 'Enable' is enabled	Manual	Pass	Note: Disable and Enable menu item is only enabled for events of the same type, all tracepoints or all sys calls. For function and dynamic probe the user has to enable each separately.	
7.6	Enable Event (tracepoint events)	1) Select multiple disabled events and click right mouse button 2) Select 'Enable' menu item	Verify that selected events are enabled (enabled event icon is shown, state ENABLED is shown in Properties view, menu item 'Disable' is enabled and menu item 'Enable' is disabled	Manual	Pass	Note: Disable and Enable menu item is only enabled for events of the same type, all tracepoints or all sys calls. For function and dynamic probe the user has to enable each separately.	
7.7	Enable Event (probe events)	1) Select a probe event (function or dynamic probe) disabled events and click right mouse button 2) Select 'Enable' menu item	Verify that selected events are enabled (enabled event icon is shown, state ENABLED is shown in Properties view, menu item 'Disable' is enabled and menu item 'Enable' is disabled	Manual	Pass		

7.8	Enable Tracepoint Event using filter in tree (Bug 450526)	1) Create Session 2) Select session, right-mouse click and select 'Enable Events (default channel)' 3) Enter a filter (e.g. sched) for the tracepoint tree and then select All 4) Click on Ok	Verify that only the selected tracepoints (filtered) are enabled and not all kernel tracepoionts	Manual	Pass	
8	**UST Event Handling**					
8.1	Enable Event on session level (all tracepoints)	1) Select session and click right mouse button 2) Select menu item 'Enable Events (default channel)...' 3) Select 'UST' 4) Select Radio button for 'Tracepoint Events' 5) Select top level tree node 'All' 6) Click on Ok	Verify that default channel (channel0) is create under domain 'UST global' and that a wildcard event "*" is create under the channel with state ENABLED. Verify properties view show correct values when selecting a event in the tree (Event Type=TRACEPOINT, State=ENABLED)	Manual	Pass	
8.2	Enable Event on domain level (wildcards)	1) Select domain 'UST global' and click right mouse button 2) Select menu item 'Enable Events (default channel)...' 3) Select Radio button for 'Wildcard' 4) Enter a wildcard (e.g. ust*) 5) Click on Ok	Verify that event with wildcarded name (e.g ust*) is added under the default channel (channel0) with state ENABLED. Verify properties view show correct values when selecting a event in the tree (Event Type=TRACEPOINT, State=ENABLED)	Manual	Pass	
8.3	Enable Event on Channel level (log level)	1) Select a channel (create if necessary) and click right mouse button 2) Select menu item 'Enable Events...' 3) Select Radio button for 'Log Level' 4) Enter Event Name 'MyEvent' 5) Select log level TRACE_ERR 6) Select radio button for loglevel 7) Click on Ok	Verify that event with name 'MyEvent' is added under the respective channel with state ENABLED. Verify properties view show correct values when selecting a event in the tree (Event Type=TRACEPOINT, State=ENABLED, Log Level=<=TRACE_ERR, Event Name=MyEvent)	SWTBot	Pass	Note: In LTTng backend v2.4 and later provide information if a loglevel is for a range (e.g. <= TRACE_ERR) This will be displayed by the properties view now
8.4	Enable Event on Channel level (log level oly)	1) Select a channel (create if necessary) and click right mouse button 2) Select menu item 'Enable Events...' 3) Select Radio button for 'Log Level' 4) Enter Event Name 'MyOtherEvent' 5) Select log level TRACE_INFO 6) Select radio button for loglevel-olny 7) Click on Ok	Verify that event with name 'MyOtherEvent' is added under the respective channel with state ENABLED. Verify properties view show correct values when selecting a event in the tree (Event Type=TRACEPOINT, State=ENABLED, Log Level= ==TRACE_INFO, Event Name=MyOtherEvent).	Manual	Pass	Note: In LTTng backend v2.4 and later provide information if a loglevel is for a single level (e.g. == TRACE_INFO) This will be displayed by the properties view now
8.5	Enable/Disable Event (tracepoint events)	Redo tests 7.5 and 7.6 with UST tracepoint events	See 7.5/7.6	Manual	Pass	
8.6	Enable/Disable Event (tracepoint events)	Redo tests 7.5 and 7.6 with UST (loglevel/loglevel-only) events	See 7.5/7.6	Manual	Pass	
8.7	Enable Tracepoint Event using filter in tree (Bug 450526)	1) Create Session 2) Select session, right-mouse click and select 'Enable Events (default channel)' 3) Enter filter for the tracepoint tree and then select All 4) Click on Ok	Verify that only the selected trace points (filtered) are enabled and not all UST trace poionts	Manual	Pass	
8.8	Enable Event by name	1) Create Session 2) Select session, right-mouse click and select 'Enable Events (default channel)' 3) Select Tracepoints 4) Enter list of names (comma-separated) in text box 5) Click on Ok	Verify that events entered in the comma-separated list are added to the tree	SWTBot	Pass	
9	**Contexts Handling**					
9.1	Add Context (to channel)	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, pid) 4) Click on 'Ok'	Verify that command is successful (no error). NOTE: There is no way to retrieve added contexts from the trace. Therefore GUI cannot display this information.	Manual	Pass	
9.2	Add Context (to channel)	1) Select UST channel and click right mouse button 2) Select menu item 'Add Contexts...' 3) Expand tree and select contexts procname, pthread_id, vpid and vtid 4) Click on 'Ok'	Verify that command is successful (no error). NOTE 1: There is no way to retrieve added contexts from the trace. Therefore GUI cannot display this information. NOTE2: For UST only contexts procname, pthread_id, vpid and vtid are supported	Manual	Pass	
9.3	Add Context (to event)	1) Select 1 Kernel tracepoint event and click right mouse button 2) Select menu item 'Add Contexts...' 3) Expand tree and select some contexts (e.g prio, procname, pid) 4) Click on 'Ok' Note: only when using LTTng Tools 2.0.x - 2.1.x. For v2.2 or later this menu item has to be disabled	Verify that command is successful (no error). NOTE: There is no way to retrieve added contexts from the trace. Therefore GUI cannot display this information.	SWTBot	Pass	DEPRECATED
10	**Enable Events (from Provider)**					
10.1	Enable Kernel Events	1) Create a new session 2) Select multiple Kernel Tracepoint events under Providers → Kernel 3) click right mouse button 4) select menu item 'Enable Event...' 5) Select newly created session 6) Select 'Ok'	Verify that domain 'Kernel' is created under the new session. Verify that default channel 'channel0' is created under the domain. Verify that selected events are added under the channel and are ENABLED.	Manual	Pass	

10.2	Enable UST Events	1) Make sure that UST application is running on remote host (see step 0) 2) Create a new session 3) Create a channel under domain 'UST global' 4) Select multiple UST Tracepoint events under Providers -> <UST Process> 5) click right mouse button 6) select menu item 'Enable Event...' 7) Select newly created session 8) Select newly created channel 9) Select 'Ok'	Verify that selected events are added under the selected channel and are ENABLED.	Manual	Pass	
11	**Importing to Project**					
11.1	Preparation	1) Create new session 2) Enable all Kernel Tracepoint events 3) Enable all Kernel sycalls 4) Enable all UST events 5) Start Tracing 6) Stop Tracing after a few seconds 7) Create new Tracing Project				
11.2	Import to project	1) Select session from 11.1 and click right mouse button 2) Select 'Import...' 3) Select Ok	After 2 verify that all traces are selected by default and also that the tracing project with name 'Remote' is selected. Verify that during import a progress dialog is opened to show the progress of the import operation. Verify that traces are imported to the project wiith name Remote and its Traces folder. Verify that for the kernel trace the trace type "LTTng Kernel Trace" is set and for the UST traces the trace type "LTTng UST Trace" is set. Create Experiment, select all traces and open Experiment. Make sure that all view are populated correctly in the LTTng Kernel Perspective.	Manual	Pass	
11.3	Import to project (Override)	1) Repeat step 1 – 3 of test case 11.2 2) In dialog box select 'Overwrite' (kernel trace) 3) In dialog box select 'Overwrite' (UST trace, re-do if more than 1 UST trace)	Verify that traces are imported and existing traces are overwritten	Manual	Pass	
11.4	Import to project (Overwrite All)	1) Repeat step 1 – 3 of test case 11.2 2) In dialog box select 'Overwrite All'	Confirmation dialog only shows once. Verify that traces are imported and existing traces are overwritten	Manual	Pass	
11.5	Import to project (Rename)	1) Repeat step 1 – 3 of test case 11.2 2) In dialog box select 'Rename' (kernel trace) 3) In dialog box select 'Rename' (UST trace, re-do if more than 1 UST trace)	Verify that traces are imported with a different name	Manual	Pass	
11.6	Import to project (Rename All)	1) Repeat step 1 – 3 of test case 11.2 2) In dialog box select 'Rename All'	Confirmation dialog only shows once. Verify that all traces are imported with a different name	Manual	Pass	
11.7	Import to project (Skip)	1) Repeat step 1 – 3 of test case 11.2 2) In dialog box select 'Skip' (kernel trace) 3) In dialog box select 'Skip' (UST trace, re-do if more than 1 UST trace)	Verify that each skipped trace is not imported	Manual	Pass	
11.8	Import to project (Skip All)	1) Repeat step 1 – 3 of test case 11.2 2) In dialog box select 'Skip All'	Confirmation dialog only shows once. Verify that all traces are skipped	Manual	Pass	
12	**Refresh**					
12.1	Refresh	Press refresh button and context sensitive menu item for different selections	Verify that the Control View is refreshed.	Manual	Pass	Should have an accelerator like f5
14	**Event Filtering (LTTng 2.1)**					
14.1		For the tests below a Ubuntu machine with LTTng 2.1 installed (with lttng 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 version). Make sure that the root session daemon is running (sudo lttng list -k) and have one UST process running (e.g. from lttng-tools git repository under tests/hello.cxx)				
14.2	Preparation	1) Connect to remote host 2) Create new Session 'FilterSession'				

14.3	Enable UST Event on session level	1) Select session and click right mouse button 2) Select menu item 'Enable Events (default channel)...' 3) Select 'UST' 4) Select Radio button for 'Tracepoint Events' 5) Select one tracepoint 6) Enter filter expression on a event field 7) Click on 'Ok'	Verify that default channel (channel0) is create under domain 'UST global' and that the corresponding event is created under the channel with state ENABLED. Verify that Properties view shows correct values for this event (Event Type=TRACEPOINT, State=ENABLED, Filter=with filter, Filter=the actual expression in LTTng 2.8 +)	Manual	Pass
14.4	Enable UST Event from provider	1) Execute 14.3 2) Select one UST Tracepoint event under Providers -> <UST Process> 3) click right mouse button 4) select menu item 'Enable Event...' 5) Select newly create session and channel 6) Enter filter expression on a event field 7) Click on 'Ok'	Verify that selected event is added under the selected channel. Verify that Properties view shows correct values for this event (Event Type=TRACEPOINT, State=ENABLED, Filter=with filter, Filter=the actual expression in LTTng 2.8 +)	Manual	Pass
14.5	Create trace	1) Start Tracing 2) Stop Tracing after a view seconds 3) Import Trace to Project 4) Open Trace 5) Destroy Session	Make sure that only events are shown in the events table that met the condition in the filter expressions	Manual	Pass
15	**Create Session With Advanced Options LTTng v2.1)**				
15.1		For the tests below a Ubuntu machine with LTTng 2.1 installed (with lttng 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 version). Make sure that the root session daemon is running (sudo lttng list -k) and have one UST process running (e.g. from lttng-tools git repository under tests/hello.cxx)			
15.2	Create Session Dialog - Advanced Button	1) Open Create Session Dialog box 2) Select "Advanced >>>" 3) Select "<<< Basic"	After 2) verify that advanced options are shown (e.g. Trace Path, Protocol, Address and Port) After 3) verify that advanced option are not shown and only basic options are there (Session Name and Session Path)	Manual	Pass
15.3	Create Session Dialog - Check box "Use same protocol and address for data and control"	1) Open Create Session Dialog box and select "Advanced >>>" 2) Uncheck checkbox"Use same protocol and address for data and control" 3) Check checkbox "Use same protocol and address for data and control"	After 2) verify that data Protocol and data Address is enabled. Note that the ports cannot be configured for net and net6 when this button is unchecked. -> port text fields are disabled After 3) Verify that data Protocol and data Address are disabled	Manual	Pass
15.4	Create Session Dialog - Protocol list	1) Open Create Session Dialog box and select "Advanced >>>"	Verify that the Control protocol dropdown menu shows net, net6 and file	Manual	Pass
15.5	Create Session Dialog - Protocol list 2	1) Open Create Session Dialog box and select "Advanced >>>" 2) Uncheck checkbox "Use same protocol and address for data and control"	After 2) verify that the data protocol dropdown menu shows net, net6, tcp and tcp6	Manual	Pass
15.6	Create Session Dialog - Protocol propagation	1) Open Create Session Dialog box, select "Advanced >>>" 2) Select net6 for Control Protocol 3) Select file for Control Protocol	After 2) verify that net6 is propagated to the data protocol and and that the data and control port text fields are enabled After 3) verify that file is propagated to the data protocol and that the data and control port text fields are disabled.	Manual	Pass
15.7	Create Session Dialog - Address propagation	1) Open Create Session Dialog box, select "Advanced >>>" 2) Enter IP address in Control address	After 2) verify that the IP address is propagated to the data address field	Manual	Pass
15.8	Create Session Dialog - Protocol propagation 2	1) Open Create Session Dialog box and select "Advanced >>>" 2) Uncheck checkbox "Use same protocol and address for data and control" 3) Select tcp for control protocol and tcp6 for data protocol 4) Check checkbox "Use same protocol and address for data and control"	After 4) make sure that both data and control protocol show net	Manual	Pass
15.9	Create trace with file protocol	1) Open Create Session Dialog box and select "Advanced >>>" 2) Enter session name, select file protocol and enter directory /tmp/testTraces/ in address field and press ok 3) Enable events, start tracing, wait for a few seconds, stop tracing 4) Import traces to a existing tracing project 5) Destroy session	Verify that the traces are stored on the remote host under /tmp/testTraces/kernel and /tmp/testTraces/ust/<application(s)> repectively. After 2) make sure that the Session Path in the Property View shows the URL with the configured parameters Verify that the remote import dialog box opens at step 4 (as described in test cases 11.x) and it is possible to transfer the traces to the tracing project.	Manual	Pass

15.10	Create trace with file protocol and trace path	1) Open Create Session Dialog box and select "Advanced >>>" 2) Enter session name, select file protocol and enter directory /tmp/tmpTraces/ in address field, enter /newPath in "Trace Path" text field and press ok 3) Enable events, start tracing, wait for a few seconds, stop tracing 4) Import traces to a existing tracing project 5) Destroy session	Verify that the traces are stored on the remote host under /tmp/testTraces/newPath/kernel and /tmp/testTraces/newPath/ust/<application(s)> repectively. After 3) make sure that the Session Path in the Property View shows the URL with the configured parameters Verify that the remote import dialog box opens at step 4 (as described in test cases 11.x) and it is possible to transfer the traces to the tracing project.	Manual	Pass	
15.11	Create trace with net protocol	1) Start relayd on Eclipse local machine (default settings: lttng-relayd) 2) Open Create Session Dialog box and select "Advanced >>>" 3) Enter session name, select net protocol and enter IP address of Eclipse local machine in address field and press ok 4) Enable events, start tracing, wait for a few seconds, stop tracing 5) Import traces to a existing tracing project 6) Destroy session	Verify that the traces are stored on the Eclipse local machine under /home/<user name>/lttng-traces/<remote machine name>/<session name + date>/kernel and /home/<user name>/lttng-traces/<remote machine name>/<session name + date>/ust/<application(s)> repectively. After 3) make sure that the Session Path in the Property View shows the URL with the configured parameters After 5) Verify that dialog box for selecting a tracing project is openend that after selecting a project and pressing next the default trace import wizard opens. Then verify that it is possible to transfer the traces to the tracing project.	Manual	Pass	
15.12	Create trace with tcp protocol and port	1) Uncheck checkbox "Use same protocol and address for data and control" 2) Start relayd on Eclipse local machine with specified ports (lttng-relayd -C tcp://0.0.0.0:1234 -D tcp://0.0.0.0:5678) 3) Open Create Session Dialog box and select "Advanced >>>" 4) Enter session name, select tcp protocol and enter IP address of Eclipse local machine in address field, specify data and control ports and press ok 5) Enable events, start tracing, wait for a few seconds, stop tracing 6) Import traces to a existing tracing project 7) Destroy session	Verify that the traces are stored on the Eclipse local machine under /home/<user name>/lttng-traces/<remote machine name>/<session name + date>/kernel and /home/<user name>/lttng-traces/<remote machine name>/<session name + date>/ust/<application(s)> repectively. After 4) make sure that the Session Path in the Property View shows the URL with the configured parameters After 6) Verify that dialog box for selecting a tracing project is openend that after selecting a project and pressing next the default trace import wizard opens. Then verify that it is possible to transfer the traces to the tracing project.	Manual	Pass	
15.13	Live Streaming Session (UST) - Initial implementation	1) Start relayd on Eclipse local machine (default settings: lttng-relayd) 2) Select Live Mode 3) Open Create Session Dialog box and select "Advanced >>>" 4) Enter session name, select net protocol and enter IP address of Eclipse local machine in address field, keep defaults for Live Connection and Live Delay, and press ok 5) Enable UST events (per UID channel), start tracing, wait for a few seconds, stop tracing 6) Import traces to a existing tracing project 7) Destroy session	Verify that session is created successfully. Verify that after 6) the trace appears in the Traces directory of Remoter project. Verify that relevants views are updated when new data arrives	SWTBot	Pass	Implementation disabled for 2.0
15.14	Live Streaming Session (Kernel) - Inititial Implementation	1) Start relayd on Eclipse local machine (default settings: lttng-relayd) 2) Select Live Mode 3) Open Create Session Dialog box and select "Advanced >>>" 4) Enter session name, select net protocol and enter IP address of Eclipse local machine in address field, keep defaults for Live Connection and Live Delay, and press ok 5) Enable Kernel events, start tracing, wait for a few seconds, stop tracing 6) Import traces to a existing tracing project 7) Destroy session	Verify that session is created successfully. Verify that after 6) the trace appears in the Traces directory of Remoter project. Verify that relevants views are updated when new data arrives	SWTBot	Pass	Implementation disabled for 2.0
16	**Preferences**					
16.1	Open Preference Dialog	Open Preferences (Menu -> Preferences -> Tracing -> LTTng Tracer Control Preferences)	Verify that tracer control preferences exists and shows Tracing Group, Logging, Log File (always disabled), Append, Verbose Level (None, Level 1, Level2 Level 3)	Manual	Pass	
16.2	Enable Logging	In Tracer Control Prferences, check checkbox Logging	Verbose Level radio buttons will be enabled	Manual	Pass	
16.3	Disable Logging	In Tracer Control Prferences, uncheck checkbox Logging	Verbose Level radio buttons will be disabled	Manual	Pass	
16.4	Test Logging level none	Execute 16.2 and execute some commands (e.g. create session, enable event)	Make sure that log file is created and contains the executed commands and command replies	Manual	Pass	
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)	Make sure that log file contains the executed commands with -v option (e.g. lttng -v create session) and the command replies come with debug information	Manual	Pass	This makes no difference for MI starting with Lttng 2.6
16.6	Test Verbose Logging (Level 2)	1) Execute 16.2 2) select verbose level Level 2 3) Execute some commands (e.g. create session, enable event)	Make sure that log file contains the executed commands with -vv option (e.g. lttng -vv create session) and the command replies come with debug information	Manual	Pass	This makes no difference for MI starting with Lttng 2.6
16.7	Test Verbose Logging (Level 3)	1) Execute 16.2 2) select verbose level Level 3 3) Execute some commands (e.g. create session, enable event)	Make sure that log file contains the executed commands with -vvv option (e.g. lttng -vvv create session) and the command replies come with debug information	Manual	Pass	This makes no difference for MI starting with Lttng 2.6
16.8	Append Mode	Check checkbox Append, restart Eclipse and open Tracer Control Preferences	Verify that tracer control preferences are persisted and the log file is opened in append mode (old file is not overwritten)	Manual	Pass	

16.9	Change Tracing Group	Change Tracing group (e.g. tracing2) and execute a command (while logging enabled)	Verify that lttng command is executed with command line option -g <group>. Ignore any command reply errors (if any)	Manual	Pass	
16.10	Change execution timeout	Go to Remote Connection Preferences, Change Timeout	After verify that values smaller than 5 and bigger than 600 are rejected	Manual	Pass	
16.11	Reset	Reset to defaults	Verify: Group=tracing, Logging is deselected, Append is deselected, Verbose Level=None), and Command Timout is 15	Manual	Pass	
17	**Create Channel with advance features (LTTng 2.2 features)**					
17.1		For the tests below a Ubuntu machine with LTTng 2.2 installed (with lttng tools 2.2.x) is required. Either create a VM machine yourself (e.g. on Virtualbox) or install it locally on your native Ubuntu (if correct version). Make sure that the root session daemon is running (sudo lttng list -k) and have one UST process running (e.g. from lttng-tools git repository under tests/hello.cxx).				
17.2	Configure Metadata channel (kernel)	1) Create and select session and click right mouse button 2) Select menu item 'Enable Channel...' 3) Select Checkbox 'Configure metadata channel' 4) Update all text boxes 5) Click on 'Ok'	Verify after 3) that 'Channel Name' is set to metadata and the correspondig textbox is disabled. Verify after 5) that metadata channel was created under the kernel domain. Also verify in the properties view that all parameters are set correctly when selecting the channel metadata.	Manual	Pass	
17.3	Configure Metadata channel (UST)	1) Re-do 17.2 with a UST channel	Verify after 3) that 'Channel Name' is set to metadata and the correspondig textbox is disabled. Verify after 5) that metadata channel was created under the domain UST global. Also verify in the properties view that all parameters are set correctly when selecting the channel metadata.	Manual	Pass	Command is successful. However tracer doesn't create metadata channel. Bug in LTTng http://bugs.lttng.org/issues/994
17.4	Configure File rotation (kernel)	1) Create and select session and click right mouse button 2) Select menu item 'Enable Channel...' 3) Fill in channel name 4) Fill in 1048576 in 'Maximum size of trace files' and also 'Sub Buffer Size' 5) Fill in 2 in 'Maximum number of trace files' 6) Click on 'Ok' 7) Enable all kernel events 8) Start, wait and stop tracing.	After 8) verify on the trace node that trace files are not bigger than 1048576 bytes	Manual	Pass	
17.5	Configure File rotation (ust)	1) Create and select session and click right mouse button 2) Select menu item 'Enable Channel...' 3) Fill in channel name 4) Select UST 5) Fill in 262144 in 'Maximum size of trace files' and also 'Sub Buffer Size' 6) Fill in 2 in 'Maximum number of trace filesfiles' 7) Click on 'Ok' 8) Enable all UST events 9) Start, wait and stop tracing.	After 9) verify on the trace node that trace files are not bigger than 262144 bytes	Manual	Pass	
17.6	Buffer Type - toggle UST/kernel	1) Create and select session and click right mouse button 2) Select menu item 'Enable Channel...' 3) Select UST 4) Select Kernel 5) Slect cancel	Verify after 2 and 4 that the radio buttons for the buffer type is disabled and the buffer type "Global shared buffers" is selected which is the value for the kernel tracer. Verify after 3) that the radio buttons are enabled an no buffer type is selected	Manual	Pass	
17.7	Default UST Buffer Type	1) Create and select session and click right mouse button 2) Select menu item 'Enable Channel...' 3) Select UST 4) Enter Channel Name 5) Select 'Ok'	Verify after 5) that the default buffer type is configured for that channel (see properties view). Note for LTTng Tools 2.2 the default is per-PID and for LTTng Tools 2.3 and later it is per-UID	Manual	Pass	
17.8	per PID UST Buffer Type	Prequisite: Multiple UST Applications need to run 1) Create and select session and click right mouse button 2) Select menu item 'Enable Channel...' 3) Select UST 4) Select 'Per PID buffers' 5) Enter Channel Name 6) Select 'Ok' 8) Enable all ust events 9) Start, wait and stop tracing. 10) Import trace	Verify after 6) that the per-pid buffer type is configured for that channel (see properties view). After 10) make sure that for each UST application one trace is created	Manual	Pass	
17.9	per UID UST Buffer Type	Prequisite: Multiple UST Applications need to run 1) Create and select session and click right mouse button 2) Select menu item 'Enable Channel...' 3) Select UST 4) Select 'Per UID buffers' 5) Enter Channel Name 6) Select 'Ok' 8) Enable all ust events 9) Start, wait and stop tracing. 10) Import trace	Verify after 6) that the per-pid buffer type is configured for that channel (see properties view). After 10) make sure that only one trace is created even multiple UST applications are running.	Manual	Pass	While doing this I found a few bugs but it ended up working. See https://bugs.eclipse.org/bugs/show_bug.cgi?id=469425 and https://bugs.eclipse.org/bugs/show_bug.cgi?id=469424
18	**Snapshot Channel (LTTng 2.3 features)**					
	Preparation	Connect to a node with LTTng 2.3 installed				

18.1	Create Snapshot Session	1) Click right mouse button on 'Sessions' 2) Select 'Create Session...' in the context sensitive menu 3) Enter session name 'MySession', keep 'Session Path' empty 4) Select checkbox 'Snapshot Mode' 5) Select 'Ok'	Verify that new session is added under the Session tree node. Verify properties in Properties view (by selecting the session in the Control view): 'Session name' (=MySession) 'Snaphshot ID' (=1) 'Snapshot Name' (=snapshot-1) 'Session Path' (=/home/<user>/traces/MySession_<date and time>) and 'State' (=INACTIVE) Make sure that the button and menu item 'Record Snapshot' is enabled	Manual	Pass	
18.2	Enable Kernel Event	Enable all Kernel Tracepoint and syscall events	Verify that channel and events a successful enabled	Manual	Pass	
18.3	Start Session	a) Select session and click on button 'Start' b) Redo test with context sensitive menu item 'Start'	Verify that Session icon changes to 'ACTIVE' icon. Verify that property view shows 'ACTIVE' for the session state Make sure that the button and menu item 'Record Snapshot' is enabled. Also make sure that the Button and menu item 'Import' is enabled.	Manual	Pass	
18.4	Record snapshot	select session and record 2 snapshots: Once with button 'Record Snapshot' and once with context-sensitive menu item 'Record Snapshot'	Commands succeed without error	Manual	Pass	
18.5	Create another snapshot session	session name ustSession (as described in 18.1)	Make sure that snapshot session is created successfully	Manual	Pass	
18.6	Enable UST Events	Enable all UST events	Verify that channel and events a successful enabled	Manual	Pass	
18.7	Start UST session	see 18.3	see 18.3	Manual	Pass	
18.8	Record snapshot over multiple sessions	Select kernel and ust session (see 18.1 and 18.5) and click on 'Record snapshot' button	Command succeeds without error	Manual	Pass	
18.9	Import traces	Open Import dialog (see 11.2)	Verify that 4 snapshots are available (3 kernel and 1 UST). Verify that all snapshots are imported to the selected tracing project	Manual	Pass	
18.10	Stop and destroy sessions	Stop and destroy both sessions	Verify that sessions are destroy successfully	Manual	Pass	
18.11	Network snapshot session	1) Start relayd on Eclipse local machine (default settings: lttng-relayd) 2) Open Create Session Dialog box, select 'Snapshot Mode'and select "Advanced >>>" 3) Enter session name, select net protocol and enter IP address of Eclipse local machine in address field and press ok 4) Enable events (UST and Kernel), start tracing, and record a few snapshots, stop tracing 5) Import traces to a existing tracing project 6) Destroy session	Make sure that all steps were successfull. Also, import the traces using the standard import instead of the remote import	Manual	Pass	
18.12	Record snapshot when session is inactive			SWTBot	Pass	Note that the session has to be started at least once otherwise the command will fail.
19	**Command Script**					
19.1	Execute command sript	Create a command script to create a session with kernel and ust events enabled.	Make sure that each command of script is executed and script execution is without errors	Manual	Pass	Should provide a command script in test spec
20	**Session Profiles**					
20.1	Save session	1) Create Tracing session 2) Select session and click right mouse button 3) Select Menu item "Save..." 4) Select 'OK'	Make sure that the session is saved under ~/.lttng/sessions on the remote Make sure that session is availabe in the workspace by opening Window->Preferences -> Tracing -> LTTng Remote Profiles	SWTBot	Pass	
20.2	Save session (2)	1) Re-do 20.1 (use same session name)	Make sure that the session is saved under ~/.lttng/sessions. Make sure that session is availabe the user is prompted to skip or overwrite the profile in the workspace	Manual	Pass	
20.3	Save session (no force)	1) Re-do 20.1 but deselect force button	The save command will be rejected by LTTng Tools	Manual	Pass	
	destroy all sessions					
20.4	Load Session (local)	1) Select group "Sessions" and click right mouse button 2) Select Menu item "Load..." 3) Select a existing profile (from Local) 4) Select 'OK'	Make sure that the session is created	SWTBot	Pass	
	destroy all sessions					
20.5	Load Session (remote)	1) Select group "Sessions" and click right mouse button 2) Select Menu item "Load..." 3) Select "Remote" 4) Select a existing profile (from Remote) 5) Select 'OK'	Make sure that the session is created	Manual	Pass	
20.6	Open preference (1)	1) Select group "Sessions" and click right mouse button 2) Select Menu item "Load..." 3) Select "Manage..."	Make sure that the LTTng Remote Profile preference page opens	Manual	Pass	
20.7	Open preference (2)	Open Preferences (Menu -> Preferences -> Tracing -> LTTng Remote Profiles	Make sure that the LTTng Remote Profile preference page opens	Manual	Pass	

20.8	Export profile	1) Open Preference page (see 20.7) 2) Select multiple profiles 3) Click on "Export..." 3) Select destination directory and click on "OK"	Make sure profile is exported to the destination directory	Manual	Pass
20.9	Export profile (redo)	Redo 20.8	Make sure that user is prompted about to overwrite or skip existing profile	Manual	Pass
20.10	Import profile	1) Open Preference page (see 20.7) 2) Click on "Import..." 3) Select a profile on media and click on "OK"	Make sure profile is imported and available in workspace	Manual	Pass
20.11	Import profile (redo)	1) Redo 20.8	Make sure that user is prompted about to overwrite or skip existing profile	Manual	Pass
20.12	Delete profile	1) Open Preference page (see 20.7) 2) Select multiple profiles 3) Click on "Delete..." 3) Confirm deletion	Make sure profile(s) are delete from the workspace and disk	Manual	Pass
21	**Kernel Event Filtering (LTTng 2.6)**				
21.1		For the tests below a Ubuntu machine with LTTng 2.1 installed (with lttng tools 2.6.x) is required. Either create a VM machine yourself (e.g. on Virtualbox) or install it locally on your native Ubuntu (if correct version). Make sure that the root session daemon is running (sudo lttng list -k) and have one UST process running (e.g. from lttng-tools git repository under tests/hello.cxx)			
21.2	Preparation	1) Connect to remote host 2) Create new Session 'FilterSession'			
21.3	Enable Kernel Event on session level	1) Select session and click right mouse button 2) Select menu item 'Enable Events (default channel)...' 3) Select 'Kernel' 4) Select Radio button for 'Tracepoint Events' 5) Select one tracepoint 6) Enter filter expression on a event field 7) Click on 'Ok'	Verify that default channel (channel0) is create under domain 'Kernel' and that the corresponding event is created under the channel with state ENABLED. Verify that Properties view shows correct values for this event (Event Type=TRACEPOINT, State=ENABLED, Filter=with filter, Filter=the actual expression in LTTng 2.8 +)	SwtBot	Pass
21.4	Enable Kernel Event from provider	1) Execute 14.3 2) Select one Kernel Tracepoint event under Provider "Kernel" 3) click right mouse button 4) select menu item 'Enable Event...' 5) Select newly create session and channel 6) Enter filter expression on a event field 7) Click on 'Ok'	Verify that selected event is added under the selected channel. Verify that Properties view shows correct values for this event (Event Type=TRACEPOINT, State=ENABLED, Filter=with filter, Filter=the actual expression in LTTng 2.8 +)	SwtBot	Pass
21.5	Create trace	1) Start Tracing 2) Stop Tracing after a view seconds 3) Import Trace to Project 4) Open Trace 5) Destroy Session	Make sure that only events are shown in the events table that met the condition in the filter expressions	Manual	Pass
22	**LTTng UST Exclude events (LTTng 2.5)**				
22.1		For the tests below a Ubuntu machine with lttng tools 2.5.x is required. Either create a VM machine yourself (e.g. on Virtualbox) or install it locally on your native Ubuntu (if correct version). Make sure that the root session daemon is running (sudo lttng list -k) and have one UST process running (e.g. from lttng-tools git repository under tests/hello.cxx)			
22.2	Preparation	1) Connect to remote host 2) Create new Session 'FilterSession'			
22.3	Enable events with exclude	1) Open Enable Event Dialog, select UST 2) Use wildcards 3) Enter a event name to exclude	Verify that event is added under the UST Domain and relevant channel. Verify that the Properties view shows the exclusion: Exclusion=with Exclusion, for Exclusion the actual expression in LTTng 2.8+	SWTBot	Pass
23	**LTTng UST per syscall (LTTng 2.6)**				
23.1		For the tests below a Ubuntu machine with lttng tools 2.6.x is required. Either create a VM machine yourself (e.g. on Virtualbox) or install it locally on your native Ubuntu (if correct version). Make sure that the root session daemon is running (sudo lttng list -k) and have one UST process running (e.g. from lttng-tools git repository under tests/hello.cxx)			
23.2	Preparation	1) Connect to remote host 2) Create new Session 'MySession'			
23.3	Enable selected syscalls	1) Open Enable Event Dialog, select Kernel 2) Select syscalls 3) In the tree, select selected syscalls 4) Select Ok	Verify that the selectetd syscalls are added added under the Kernel Domain and relevant channel.	SWTBot	Pass
	destroy session				
23.4	Enable all syscalls	1) Open Enable Event Dialog, select Kernel 2) Select Syscalls 3) In the tree, select all syscalls 4) Select Ok	Verify that the selectetd syscalls are added added under the Kernel Domain and relevant channel.	SWTBot	Pass

24	**JUL, Log4J, Python Logger**				
24.1	Configure JUL tracing session (LTTng 2.6)	Configure JUL tracing session using tree and event name	verify that session is configured correctly	SWTBot	Pass
24.2	Configure Log4J tracing session (LTTng 2.6)	Configure Log4J tracing session using tree and event name	verify that session is configured correctly	SWTBot	Pass
24.3	Configure Python tracing session (LTTng 2.7)	Configure Python tracing session using tree and event name	verify that session is configured correctly	SWTBot	Pass

	Section	Pass	Fail		To Do	Comment
	Tracing RCP	**32**	**0**	**0**	**0**	**4**
Target:	Windows 10 64 bit					

Step	Test Case	Action	Verification			Comment
0	**Preparation**					
	1. Download maven 3.3 or above 2. Use openJDK 1.8 or above 3. Use the command `mvn clean install -Dmaven.test.skip=true -X` to compile the RCP without the tests (-X for the debug info) 4. You might need to use a proxy (adding a settings.xml file in the `~/.m2` folder) 5. Once everything is compiled, you can find the version of RCP for your OS in `tracecompass-master/git/org.eclipse.tracecompass/rcp/org.eclipse.tracecompass.rcp.product/target/products/org.eclipse.tracecompass.rcp/` folder					
1	**Start RCP**					
1.1	Start Tracing RCP	Open RCP from command line or file explorer	Tracing RCP opens in default perspective	Manual	Pass	Bruno : Not with this test case : If I open n traces, the folder "Traces [n]" shows the number of traces opened. If i go in the Properties view with the folder the title of the Properties view is Traces [n], now, if I delete the n traces the title of the Properties view is still Traces [n] instead of Traces [0]. Patrick: The Properties view updates itself when the selection changes. Bruno : Not with this test case but the delete key doesnt work on Tracing project (we need to use the mouse right click). Bug 486505. ***(the real test case 1.1 passed)***
1.2	Start Tracing RCP with text trace	Open RCP from command line with --open <trace name with 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 with --open <trace name with absolute path>. Use same trace than 1.2	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 with --open <kernel trace name with absolute path>	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	The kernel trace opens in an editor but the editor of the first trace gets activated. Bug 443461. Bruno : Same bug happens with UST traces
1.5	Start Tracing RCP with previously opened Kernel CTF trace	Open RCP from command line with --open <kernel trace name with absolute path>. Use same trace than 1.4	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 with --open <trace name with absolute path>, where the name of trace is the same than 1.2, but the trace is located at a different location on disk	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 a suffix added.	Manual	Pass	
1.7	Re-do 1.6	Open RCP from command line with --open <kernel trace with absolute path>, where name of trace is the same than 1.4, but the trace is located at a different location on disk	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 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	should it open?
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 a integer number a 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 a integer number a 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	
3.2	Open View	Use Menu Window -> Show View -> Select Tracing -> Sequence Diagram	Sequence diagram view is shown	Manual	Pass	
3.3	Preferences	Use Menu Window -> Preferences	Preferences dialog is shown	Manual	Pass	
3.4	Save Perspective As	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	Reset Perspective	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	Pass	
4	**Help Menu**					
4.1	Help Contents	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	
4.2	Install new Software	Use Menu -> Help -> Install New Software… to install new Eclipse 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	Version + Copyright	Use Menu -> Help -> About -> Installation details	Go over all tracing features and plug-ins and verify that all have the correct version and copyright years	Manual	Pass	
5	**Content**					
5.1	TMF presence	Open Tracing perspective	Tracing perspective opens	Manual	Pass	
5.2	LTTng presence	Open LTTng Kernel perspective	LTTng Kernel perspective opens	Manual	Pass	
5.3	PCAP Network analysis presence	Open Network Tracing perspective	Network analysis perspectiv opens	Manual	Pass	
5.4	BTF presence	Open BTF trace	BTF trace opens correctly	Manual	Pass	
6	**Upgrade**					
6.1	Upgrade from previous release	Use Help -> Check For Updates	RCP is upgraded	Manual	Pass	Tested with RC3

	Section	Pass	Fail		To Do	Comment	
	Trace Synchronization	13	0	0	0	5	
Target:							

Step	Test Case	Action	Verification			Comment	
0	**Prerequisites**						
0.1	Import traces	Import the scp_dest and scp_src traces in the synctraces.tar.gz file					
0.2	Create experiment 1	Create an experiment containing those 2 traces					
0.3	Create experiment 2	Create an experiment with any other trace					
1	**View Management**						
1.1	Open Synchronization View	Use menu Window → Show View → Tracing → Synchronization	Verify that 'Synchronization' view is shown	Manual	Pass	This view should be in properties	I agree
1.2	Delete view	Close the Synchronization View	Synchronization' view is removed from perspective	Manual	Pass	The view also makes no sense to mere mortals.	
1.3	Open view	Use menu Window → Show View → Tracing → Synchronization	Synchronization' view is displayed and remains empty	Manual	Pass		
1.4	Open Experiment	Open the experiment containing the 2 synchronizable traces	Verify that the view is still empty	Manual	Pass		
1.5	Synchronize experiment	Right-click on the experiment and select '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		
1.6	Open view when trace is already loaded	1) Close Synchronization View 2) Load LTTng experiment 3) Open 'Synchronization' view	Verify that view is populated with synchronization data from currently opened experiment	Manual	Pass		
1.6.5	Synchronize experiment with constant offset	Try to offset a trace by a second	Visually verify that a synchronized trace is now offsetted	Manual	Pass		
1.7	Open trace	Open an Lttng Kernel trace	Synchronization view is empty	Manual	Pass		
1.8	Re-open experiment	Open the experiment containing the 2 synchronized traces	View shows synchronization data from the experiment	Manual	Pass	fixed with https://git.eclipse.org/r/#/c/98366/	
1.9	Restart	Restart Eclipse	Verify that view is populated with synchronization data from experiment	Manual	Pass		
2	**Functionnalities**						
2.1	Open experiment 2	Open the experiment containing traces that do not synchronize	Verify that the 'Synchronization' view is empty	Manual	Pass		
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	https://git.eclipse.org/r/#/c/98366/	
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	Absent is not displayed, the view is empty. Patrick: Updated the verification text	

	Section	Pass	Fail	Type	To Do	Comment	
	LTTng 2.0 - Memory Analysis	22	0	5	0	13	
Target:	Ubuntu 14.04 64 bit						

Step	Test Case	Action	Verification	Type		Comment	
0	**Prerequisites**						
0.1	Download traces	Download UST trace with memory events from https://secretaire.dorsal.polymtl.ca/~gbastien/traces/eclipse_mem_ust.tar.gz					
0.2	Import trace with memory event	Import the LTTng UST trace downloaded above in Tracing project					
0.3	Import trace without memory event	Import one of the LTTng UST trace that does not contain the memory events, for example, the one used for the callstack view					
0.4	Import non-UST trace	Import one LTTng Kernel trace					
1	**Project View**						
1.1	Check analysis can execute	open the trace that contains the memory events. In the project explorer, expand the trace that contains the memory events	"Ust Memory" analysis is present and "normal"	SWTBot	Pass		84702
1.2	Verify help message when applicable	In the project explorer, open and expand the trace that contains the memory events, right-click the memory analysis and select Help	A generic help message appears with the name of the analysis.	Manual	Pass		
1.3	Check analysis cannot execute	open the trace that contains the memory events. In the project explorer, expand the UST trace that does not contain memory events	"Ust Memory" analysis is present, but striked-out	Manual	Pass		84702
1.4	Verify help message when not applicable	In the project explorer, open and expand the UST trace that does not contain memory events, right-click the memory analysis and select Help	The help message mentions the analysis is impossible to execute and contains the requirement that is not fulfilled	Manual	Pass		
1.5	Check analysis for another trace type	In the project explorer, expand a LTTng Kernel trace	"Ust Memory" analysis is not present	SWTBot	Pass		84702
2	**View Management**						
2.1	Populate analysis's view	Open the UST trace with memory events and expand the "UST Memory" analysis in the project explorer	"Ust Memory Usage" View appears under the analysis	SWTBot	Pass		
2.2	Open view	Double-click the UST Memory View under the memory analysis	The UST Memory Usage view opens and triggers the memory analysis. After the analysis, the XY chart is populated	SWTBot	Pass		
2.3	Close trace	Close the trace	The UST Memory Usage view is emptied.	Manual	Pass		
2.4	Open trace	With the view already opened, open the trace	The UST Memory Usage view is populated.	SWTBot	Pass	View not populated. Bug 467751. JC: Works for me	
2.5	Close view	Close the UST Memory Usage view	The view is closed.	Manual	Pass		
2.6	Re-open view	Double-click the UST Memory Usage view under the memory analysis in project explorer.	The view opens and is automatically populated.	Manual	Pass		
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		

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		
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		
3.4	Mouse hover	Hover mouse in xy chart anywhere	Tool tip shows values for each thread at the given timestamp	Manual	Pass	The tooltip is not aligned with the selection when hovering multiple times Bernd: I cannot reproduce this problem	
3.5	Drag mouse selection	Drag select xy chart with left button	Selection highlighted. New selection is propagated to other views	Manual	Pass		
3.6	Shift key selection	Click select with left button (begin time), press shift key and click select another time (end time)	Selection highlighted. New selection is propagated to other views	Manual	Pass		
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	What is the difference between 3.5 and 3.7? Status bar is not updated. Note that the status bar hasn't been implemented for XY charts. So we should not test for it	
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 delta the time difference between T2-T1 (can be negative)	Manual	Pass	Status bar not updated	
4	**Synchronization**						
	Preparation	Have the Histogram and UST Memory Usage views both visible					
4.1	Time synchronization	Select a random time in another view	Selected time line is updated.	Manual	Pass	time range is NOT updated to include the new selection. The range update seems to not work with UST traces. Patrick: Only time graph views update their window range to ensure selection is visible.	
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	Ithink this test is for window range. I have this exception : Exception in thread "Line chart update" org.eclipse.swt.SWTException: Invalid thread access (Invalid Thread access bug: https://bugs.eclipse.org/bugs/show_bug.cgi?id=513013)	
4.3	Time range selection synchronisation	In any other view that supports range synchronization, select a new range.	Selection range is highlighted.	Manual	Pass	time range is NOT updated to include the new selection. The range update seems to not work with UST traces: Patrick: Only time graph views update their window range to ensure selection is visible. (Invalid Thread access bug: https://bugs.eclipse.org/bugs/show_bug.cgi?id=513013)	

	Section	Pass	Fail	Type	To Do	Comment	
	LTTng 2.0 - CPU Analysis	27	0	5	0	7	
Target:							

Step	Test Case	Action	Verification	Type		Comment	
0	**Prerequisites**						
0.1	Import traces	Import LTTng Kernel traces in Tracing project					
1	**Project View**						
1.1	Check analysis can execute	In the project explorer and expand a LTTng Kernel trace	"CPU usage" analysis is present and it's not crossed out	Manual	Pass		84702
1.2	Verify help message when applicable	In the project explorer, open and expand the LTTng kernel trace, right-click the CPU usage analysis and select Help	A generic help message appears with the name of the analysis	Manual	Pass	Sonia: The help message doesn't explain the role of the view or how to use it. There should be more details available	
1.5	Check analysis for another trace type	In the project explorer, expand a non-LTTng Kernel trace	"CPU usage" analysis is not present	Manual	Pass		84702
2	**View Management**						
2.1	Populate analysis's view	Open an LTTng kernel trace and expand the "CPU usage" analysis in the project explorer	"CPU Usage" View appears under the analysis	Manual	Pass		
2.2	Open view	Double-click the CPU usage View under the CPU usage analysis	The CPU usage Usage view opens and triggers the cpu analysis. After the analysis, both tree viewer and xy charts are populated.	SWTBot	Pass		
2.3	Close trace	Close the trace	The CPU Usage view is emptied.	Manual	Pass		
2.4	Open trace	With the view already opened, open the trace	The CPU Usage view is populated.	SWTBot	Pass		
2.5	Close view	Close the CPU Usage view	The view is closed.	Manual	Pass		
2.6	Re-open view	Double-click the CPU Usage view under the CPU usage analysis in project explorer.	The view opens and is automatically populated.	SWTBot	Pass		
3	**View selection**						
3.1	Select an entry	Select an entry in the tree viewer section	A new series is added to the xy chart, corresponding to the selected TID	SWTBot	Pass		
3.2	Select another entry	Select another entry from the tree viewer	A new series is added to the xy chart, and the previous TID's series is not displayed anymore	Manual	Pass		
4	**Mouse handling**						
4.1	Drag move time range	Drag move xy chart left and right with middle button and shift mouse wheel	Time range is dragged. When mouse button is released, series are updated and new time range is propagated to other views.	Manual	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 tree viewer beside the chart. The selected process remains the same.	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 range is propagated to other views. Selected process remains the same.	Manual	Pass		

4.6	Mouse hover	Hover mouse in xy chart region anywhere	Tool tip shows the total and selected process (if any) cpu usage at the time	Manual	Pass		
4.7	Drag mouse selection	Drag select xy chart with left button	Selection highlighted and selection range is propagated to other views	Manual	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 rang is propagated to other views	Manual	Pass		
4.9	Sort columns	Click on column headers once then twice	Entries are sorted in ascending then descending order on the column value. Selected process does not change.	Manual	Pass	Column TID should use Integer sorting.	
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	Status bar is not updated. Note that the status bar hasn't been implemented for XY charts. So we should not test for it	
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	Status bar not updated	
5	**Keyboard handling**						
5.1	Keyboard navigation in tree viewer	With focus on table, use UP, DOWN, HOME, END keys	Selected process is changed. xy chart selection is updated. Vertical scroll bar updated.	Manual	Pass		
6	**Synchronization**						
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		
6.2	Time range synchronization	Select a new time range in CPU 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		
	CPU usage works with experiments			Manual	Pass	Sonia : The cpu usage works only on experiments with one trace , it would be nice if it displays the CPU usage of two traces per example in the same graph	works wit 1 kernel trace experiments

	Section	Pass	Fail		To Do	Comment
	Network Trace analysis	11	0	3	0	0
Target:	Ubuntu 14.04 64 bit					

Step	Test Case	Action	Verification			Comment
0	**Prerequisites**					
0.1	Import traces	Import the trace linked here				
1	**Trace Import**					
1.1	Open the Network Tracing perspective	In the project Explorer, expand any LTTng kernel 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 openned, the events view and histogram view is opened	SWTBot	Pass	In SWTBot other trace is used
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	
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	Close the trace	The stream list is emptied	Manual	Pass	
3	**Stream List**					
3.1	Re-open trace	Ensure only "TeamSpeak2.pcap" is opened	The trace is opened	Manual	Pass	
3.1	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	
3.2	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	

	Section	Pass	Fail	Type	To Do	Comment
	XML analysis	40	0	0	0	6
Target:	Ubuntu 14.04 64 bit					

Step	Test Case	Action	Verification	Type		Comment
0	**Prerequisites**					
0.1	Import traces	Import LTTng kernel traces				
0.2	Get a test XML file	Download the test XML file here: https://secretaire.dorsal.polymtl.ca/~gbastien/Xml4Traces/Kernel.Linux.xml				
0.3	Make sure the XML file does not exists 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.)	NOTE: XML haven't files haven't been update to latest Kernel tracepoints and syscall changes. So, they only work with trace LTTng 2.5 and older			
1	**XML file handling**					
1.1	Verify analysis not present	In the project Explorer, expand any LTTng kernel 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 a LTTng kernel trace	Manual	Pass	
d	Edit XML file	Right-click the Traces folder, select Manage XML analyses.... In the opened dialog, select Kernel.Linux and click Edit	Verify that the XML editor opens. The editor should have Design and Source sub-tabs	Manual	Pass	stateSystemView section does not appear as XML
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'	Manual	Pass	
2.2	Open the 'Xml Control Flow View'	Double-click the 'Xml Control Flow View' under the analysis	A view titled 'Xml Control Flow View' should open and it should look quite similar to the Control Flow View	Manual	Pass	
2.3	Open another XML view	Double-click the 'Xml Resources View' under the analysis	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.	Manual	Pass	
2.4	Close view	Close both XML view	The view are closed	Manual	Pass	
2.5	Open view when trace is already loaded	Double-click one of the views under the analysis	The view opens with the correct title and is correctly populated.	Manual	Pass	
2.6	Close traces	Close all opened traces	The view is emptied.	Manual	Pass	
2.7	Open trace	Open an LTTng Kernel trace	The view is populated	Manual	Pass	
2.8	Open another trace	Open a non-LTTng Kernel trace	The view is emptied.	Manual	Pass	
2.9	Open LTTng Kernel trace	Open an LTTng Kernel trace	The view is populated.	Manual	Pass	
3	**View selection**					
3.1	Select an entry in the table	Select an entry in the table	Same entry is highlighted in time graph.	Manual	Pass	
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	

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	
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.	Manual	Pass	"the new window range"
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	
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.	Manual	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	
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.	Manual	Pass	
4.6	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.	Manual	Pass	
4.7	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.	Manual	Pass	
4.8	Mouse hover (empty region)	Hover mouse in time graph over empty region	Tool tip shows entry name only.	Manual	Pass	
4.9	Mouse hover (state)	Hover mouse in time graph over state	Tool tip shows entry name, state name, date, start time, end time, duration.	Manual	Pass	
4.10	Drag mouse seleection	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)	Manual	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	
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	
5.2	Keyboard navigation in table (tree expansion)	With focus on table, in Windows use LEFT, RIGHT keys while parent or child process is selected in Linux use SHIFT LEFT, RIGHT keys while parent or child process is selected	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.	Manual	Pass	Passed on Linux.
5.4	Keyboard navigation in time 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	
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	
6	**Tool bar handling**					
6.1	Show Legend	Click Show Legend button	The legend dialog is opened and can be closed.	Manual	Pass	Comment from 1.0 testing: Not all displayed colors are in the legend This is still a problem in 1.1 when using traces generated with LTTng 2.6 and older
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	
6.3	Select Previous/Next Event	Click Previous/Next Event button	Previous or next state is selected. Selected time is updated in other views.	Manual	Pass	
6.4	Select Previous/Next Process	Click Previous/Next interval button	Selected interval (process/resource) is changed in table and time graph. Vertical scroll bar updated.	Manual	Pass	
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	
6.6	Filter Dialog	Open Filter Dialog	Verify that all buttons are working correctly	Manual	Pass	More filter buttons are available in cfv
6.7	Filter Processes	1) Open Filter Dialog 2) Deselect several processes 3) Press Ok	Verify that only selected entries are displayed in the view	Manual	Pass	
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	
7.2	Time range synchronization	Select a new time range in Resources view or in Histogram view.	Time range is updated.	Manual	Pass	

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	

	Section	Pass	Fail		To Do	Comment
	Critical path	45	0	2	0	11
Target:						

Step	Test Case	Action	Verification			Comment
0	**Prerequisites**					
0.1	Import traces	Import the 3 django traces from the test traces				
0.2	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**					
1.1	Open trace	Open any of the django traces in Project Explorer	Expand the Views element under the trace. The LTTng Kernel Exec Graph analysis is there and "normal". The Critical Path analysis is there and the Critical Flow view is available under it.	Manual	Pass	
1.2	Open experiment	Open the django experiment in Project Explorer	Expand the Views element under the trace. The LTTng Kernel Exec Graph analysis is there and "normal". The Critical Path analysis is there and the Critical Flow view is available under it.	Manual	Pass	
1.3	Open view	Expand the Views element, then the Critical Path analysis and click on the Critical Flow View	Critical Path view is opened and empty	SWTBot	Pass	
1.4	Close view	Close the Critical Flow View	Critical Path view is closed	Manual	Pass	

1.5	Unapplicable trace	Open a trace that is not a LTTng kernel trace	Expand the Views element under the trace. The LTTng Kernel Exec Graph analysis is not there. The Critical Path analysis is there and the Critical Flow view is available under it.	Manual	Pass			
1.6	Unapplicable experiment	Open an experiment that does not contain LTTng kernel traces	Expand the Views element under the trace. The LTTng Kernel Exec Graph analysis is there, but striked out. The Critical Path analysis is there and the Critical Flow view is available under it.	Manual	Pass			
2	**View population**							
2.1	Populate the view with trace	With the django-client trace and the critical path view opened, in the control flow view, find the process named python (TID 9496). Right-click on the process and select "Follow 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	Done in SWBot with another trace		
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.	Manual	Pass			
2.3	Select state in time graph	Select a state 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			
2.4	Select worker in tree viewer	Select a worker from the tree viewer section	Same process is highlighted in time graph.	Manual	Pass			
2.5	Populate the view with empty path	Repeat steps of 2.1, with django-client trace and process lttng-sessiond (TID 9355)	The Critical Path View is emptied	Manual	Pass	But there should be a message telling why it is empty		
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	Manual	Pass			

2.6	Re-opening	Close the django-client trace, reopen it and repeat steps of 2.1	The Critical Path View should be populated like in step 2.1	Manual	Pass			
2.7	Populate the view with experiment	Repeat steps of 2.1, but with the django-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.	Manual	Pass			
2.8	Populate with trace with time selection	Re-open django-client trace. In the Control Flow View, select a time after the python process exited, then follow the python/9496 process	The Critical Path View should be populated like in step 2.1	Manual	Pass	Everything works but is unuseably slow		
3	**Mouse handling**							
3.1	Drag move time range	Ctrl-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.	Manual	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.	Manual	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.	Manual	Pass			
3.4	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 worker does not change. Vertical scroll bar updated.	Manual	Pass	zoom on 4 lines?		
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			
3.6	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.	Manual	Pass			

3.7	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.	Manual	Pass			
3.8	Mouse hover (empty region)	Hover mouse in time graph over empty region	Tool tip shows process name only.	Manual	Pass	Shows PID also		
3.9	Mouse hover (state)	Hover mouse in time graph over state	Tool tip shows worker name, state name, priority, date, start time, end time, duration.	Manual	Pass			
3.10	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 (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass			
3.11	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 (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass	OMG SO SLOW		
4	**Keyboard handling**							
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.	Manual	Pass			
4.2	Keyboard navigation in table (tree expansion)	With focus on table, in Windows use LEFT, RIGHT keys while trace or worker is selected in Linux use SHIFT LEFT, RIGHT keys while trace or worker is selected	For trace, tree is expanded or collapsed. Time graph item expansion is updated. Vertical scroll bar updated. For workers, it does nothing.	Manual	Pass	Tested in Linux		
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.	Manual	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.	Manual	Pass			
5	**Tool bar handling**							
5.1	Align views	Click on the Align View Button, with another time graph view, eg the Control Flow view opened above or 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	Manual	Pass	Views align whether link views is selected or not		

5.2	Show Legend	Click Show Legend button	The legend dialog is opened and can be closed.	Manual	Pass			
5.3	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			
5.4	Select Previous/Next Event	Click Previous/Next Event button	Previous or next state is selected. Selected time is updated in other views.	Manual	Pass			
5.5	Select Previous/Next Element	Click Previous/Next Element button	Selected worker is changed in table and time graph. Vertical scroll bar updated.	Manual	Pass			
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.	Manual	Pass			
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)	Manual	Pass			
5.8	Next/Previous marker	Add more bookmarks, then click on the next/previous 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	Manual	Pass			
5.9	Delete bookmark	With next/previous marker, when on a bookmark, click the delete bookmark button	The bookmark is deleted from all views	Manual	Pass			
5.11	Do not show markers	Click on the down arrow at the extreme right of the view, then expand Show markers and uncheck the Bookmarks box	All remaining bookmarks disappear from the view, but remain in other views where the they are enabled	Manual	Pass	Marker context menu does not work, view context menu works		
5.12	Show markers	Same as above, recheck the Bookmarks box	The bookmarks come back	Manual	Pass	Marker context menu does not work, view context menu works		
6	**Synchronization**							
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			
6.2	Window range synchronization	Select a new window range in another view	Window range is updated.	Manual	Pass			
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	Manual	Pass			

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	Manual	Pass			

	Section	Pass	Fail		To Do	Comment
	LAMI	18	0	0	0	0
Target:	Ubuntu 14.04 64 b					

Step	Test Case	Action	Verification			Comment
0	**Prerequisites**					
0.1	Import traces	any trace since we use stub for the result				
0.2	Download analysis stubs	https://bugs.eclipse.org/bugs/attachment.cgi?id=263946 from bug: https://bugs.eclipse.org/bugs/show_bug.cgi?id=493941				
1	**Custom external analysis**					
1.1	Add all stubs analysis	Create the following analysis ($name, $command): 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 $name Insert "fullpath/$executable" which is the full path to the stub executable. ex:"/tmp/stub/stubAnalysis" where stubAnalysis is the stub executable The path do NOT support ~ or relative path	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 EXCEPT for the tuple (invalidAnalysis, invalidAnalysis)		Pass	Takes a long time to be not struck through
1.2	Actions availables	Right click on a non-strikethrough custom analysis.	The run action can be clicked and in enabled text mode.		Pass	
	Actions avaliables	Right click on a strikethrough custom analysis.	The run action CANNOT be clicked and is in disabled text mode.		Pass	
1.3	Delete analysis	Right click on the tuple (clone, invalidAnalysis) Select the delete action for the node	The analysis does not appear in the list anymore.		Pass	
1.4	Run analysis	Launch remaining analysis via righ-click and run action	analysisEmpty should return a message to the user regarding the emptiness of the report. errorResult should return an error message to the user and display the result of the comm All other one have result and should result in a new table and new report node under the r		Pass	
2	**Reports**					
2.1	Reports node	Expand the "Reports" node under the Project Explorer	The "Reports" node under the Project Explorer should contain 4 report: analysisMultipleRow Report analysisMultipleSimilarRow Report analysisOneRow Report multipleReports		Pass	
2.2	Same name report	Execute the "analysisOneRow" analysis again.	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 name report creation.		Pass	
2.3	Delete node	Right click on the duplicate "analysis OneRow" node and click on the delete action	The node reports is not present anymore		Pass	
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		Pass	
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		Pass	
2.6	Multiple report	Open the "multipleReports" report.	Validate that a user is able to navigate between sub tab of a report		Pass	
3	**Result Table**					
3.1	Prerequisites	Open the "analysisMultipleRowReport"			Pass	
3.2	Hide table	Click the "Toggle" button in the right corner of the result table	The result table is hidden		Pass	
3.3	Show table	Click the "Toggle" button in the right corner of the result table	The result table is shown		Pass	
3.4	Sorting	Sort all column by clicking on the column name. Clicking multiple time on the name should change the ordering sorter.	Validate that the order make sense		Pass	
3.5	Colum Resizing	Resize the column	Validate that the resize works		Pass	
3.6	Multiple selection	Select multiple rows by holding ctrl and clicking on multiple unselected rows of the table	Multiple selections are highlighted in the table		Pass	
3.7	Unselect selection	Deselect multiple rows by holding ctrl and clicking on multiple selected rows of the table	The clicked row should not be selected anymore		Pass	
4	**Bar Chart**					
4.1	Create	Use the menu on the upper right of the result table and select "create bar chart"	Note: a bar chart does NOT perform agregation of categories values			
4.2	Series dialog add	Select any x and any y click add	Series are added to the series list		Pass	
4.3	Series dialog remove	Remove all newly created series via the delete button	User should be able to delete series		Pass	

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		Pass	
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		Pass	
4.6	Multi selection	Ctrl+click on other unselected bar	Selections should be highlighted in the result table and the chart		Pass	
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		Pass	
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 do not support zero and negative		Pass	
4.9	Keep the chart open	Keep the chart open			Pass	
4.10	Hide the table results	Hide the table results			Pass	
5	**Scatter Chart**					
5.1	Create	Use the menu on the upper right of the result table and select "create scatter chart"				
5.2	Creat chart	Select any x and y and click add and "ok"	A scatter chart should be created		Pass	
5.3	Selection	Should be the same behaviour as the bar chart	Should be the same behaviour as the bar chart		Pass	
5.4	Multi selection	Should be the same behaviour as the bar chart	Should be the same behaviour as the bar chart		Pass	
5.5	Deselection	Should be the same behaviour as the bar chart	Should be the same behaviour as the bar chart		Pass	
5.6	Mouse hovering	Hover mouse in the graph	On mouse hovering a cross should snap to the nearest point		Pass	
5.7	Full deselection	Click in the chart when no hovering cross is present	All selected objects should be deselected		Pass	

	Section	Pass	Fail	Type	To Do	Comment	
	LTTng 2.0 - I/O Analysis	21	0	5	0	6	
Target:							

Step	Test Case	Action	Verification	Type		Comment	
0	**Prerequisites**						
0.1	Import traces	Import LTTng Kernel traces in Tracing project					
1	**Project View**						
1.1	Check analysis can execute	In the project explorer, expand a LTTng Kernel trace	"Input/Output" analysis is present and "normal" (not striked-out)	SWTBot	Pass	Bruno : In the 'Views' tree item, there is a Input/Output item, but im not sure what it means to be 'normal' Geneviève: normal is not striked-out (added it to the verif step), it is a pass	84702
1.2	Verify help message when applicable	In the project explorer, open and expand the LTTng kernel trace, right-click the Input/Output analysis and select Help	A generic help message appears with the name of the analysis	Manual	Pass	Bruno : The help message doesn't explain much	

1.5	Check analysis for another trace type	In the project explorer, expand a non-LTTng Kernel trace	"Input/Output" analysis is not present	SWTBot	Pass		84702
2	**View Management**						
2.1	Populate analysis's view	Open an LTTng kernel trace and expand the "Input/Output" analysis in the project explorer	"Disk I/O Activity" View appears under the analysis	SWTBot	Pass		
2.2	Open view	Double-click the Disk I/O Activity View under the Input/Output analysis	The Disk I/O Activity view opens and triggers the input/output analysis. After the analysis, the xy charts is populated.	SWTBot	Pass		
2.3	Close trace	Close the trace	The Disk I/O Activity view is emptied.	Manual	Pass		
2.4	Open trace	With the view already opened, open the trace	The Disk I/O Activity view is populated.	Manual	Pass		
2.5	Close view	Close the Disk I/O Activity view	The view is closed.	Manual	Pass		

2.6	Re-open view	Double-click the Disk I/O Activity view under the Input/Output analysis in project explorer.	The view opens and is automatically populated.	Manual	Pass		
3	**View selection**						
4	**Mouse handling**						
4.1	Drag move time range	Drag move xy chart left and right with middle button	Time range is dragged. When mouse button is released, series are updated and new time range is propagated to other views.	Manual	Pass		
4.2	Zoom time range (mouse wheel)	Zoom with 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.	SWTBot	Pass		

4.3	Drag zoom 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 range is propagated to other views.	Manual	Pass		
4.4	Mouse hover	Hover mouse in xy chart region anywhere	Tool tip shows the puntual disk activity, with units in <unit>/s	Manual	Pass	Bruno : The tool tip is showing but is not folowing the mouse, so the infos are updated but the black box remain at the original place.	
4.5	Drag mouse selection	Drag select xy chart with left button	Selection highlighted and selection range is propagated to other views	Manual	Pass		
4.6	Shift key selection	Click select with left button (begin time), press shift key and click select another time (end time)	Selection highlighted and selection rang is propagated to other views	Manual	Pass		

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)	Manual	Pass	Status bar is not updated. Note that the status bar hasn't been implemented for XY charts. So we should not test for it	

4.8	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 delta the time difference between T2-T1 (can be negative)	Manual	Pass	Status bar not updated	
5	**Keyboard handling**						
6	**Synchronization**						
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		

6.2	Time range synchronization	Select a new time range in Disk I/O Activity 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	Disk I/O Activity works with experiments			Manual	Pass		

	Section	Pass	Fail		To Do	Comment
	LTTng 2.0 - VM Analysis	36	3	0	0	6
Target:						

Step	Test Case	Action	Verification			Comment
0	**Prerequisites**					
0.1	Import traces	Download traces here: https://secretaire.dorsal.polymtl.ca/~gbastien/tracingSummit2014/mpi_traces.tgz and import the 3 kernel traces in the vmnet directory				
0.2	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				
0.4	Set experiment type	Right-click the experiment, click "Select experiment type..." and select "Virtual Machine Experiment"				
1	**View management**					
1.1	Analysis present	Expand the Views element of the experiment	The Virtual Machine Analysis is present	Manual	Pass	

1.2	Open experiment	Open the vm experiment in Project Explorer	Expand the Views element under the trace, then the Virtual Machine Analysis element. The Virtual CPU view is present	Manual	Pass						
1.3	Open view	Expand the Views element, then the Virtual Machine analysis and click on the Virtual CPU View	Virtual CPU view is opened, the virtual machine analysis is triggered and the view gets filled	Manual	Pass	launches kernel exec graph which take a very long time, slow indexing throughput					
1.4	Close view	Close the Virtual CPU View	Virtual CPU view is closed	Manual	Pass						
1.6	Unapplicable experiment	Open an experiment that is not of Virtual Machine Experiment type	Expand the Views element under the trace. There is no Virtual Machine Analysis.	Manual	Pass						
2	**View population**										
2.1	Populate the view with experiment	With the VM experiment, open the Virtual CPU View	The view is populated with the VM element as the only parent and 2 virtual guests having 3 VCPUs each and a collapsed Threads entries	Manual	Pass						
2.2	View guest's threads	Expand the Threads entry of a guest	A list of processes is shown, in numerical order and their time graph viewer part is filled	Manual	Pass						

2.3	VM specific states	Zoom in the VCPUs time graph around the "interesting" region, where there is more action (around the second half of the trace)	2 new states are easily recognizable: WAIT_VMM and VCPU_PREEMPTED	Manual	Pass						
2.4	Preempted thread states	Select a region with the CPU_PREEMPTED state and scroll down the threads entries to around 405-406: mpi-imbalance processes	We can observe alpha'ed states corresponding to the cpu preempted states	Manual	Pass						
2.5	Re-opening	Close the VM experiment, reopen it	The view is populated again	Manual	Pass						
3	**Mouse handling**										
3.1	Drag move time range	Ctrl-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.	Manual	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.	Manual	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.	Manual	Pass						
3.4	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 worker 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						
3.6	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.	Manual	Pass						
3.7	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.	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 entry name, state name, date, start time, end time, duration.	Manual	Pass						

3.10	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 (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass						
3.11	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 (dragged) selected time and delta the time difference between T2-T1 (can be negative)	Manual	Pass						
4	**Keyboard handling**										
4.1	Keyboard navigation in table (process selection)	With focus on table, use UP, DOWN, HOME, END keys	Selected entry is changed. Time graph selection is updated. Vertical scroll bar updated.	Manual	Pass						
4.2	Keyboard navigation in table (tree expansion)	With focus on table, in Windows use LEFT, RIGHT keys while expandable element is selected in Linux use SHIFT LEFT, RIGHT keys while expandable element is selected	For expandable element, tree is expanded or collapsed. Time graph item expansion is updated. Vertical scroll bar updated. For other entries, it does nothing.	Manual	Fail	SHIFT LEFT/RIGHT does not do anything on linux					
4.3	Keyboard navigation in time graph (process selection)	With focus on time graph, use UP, DOWN, HOME, END keys	Selected entry is changed. Table selection is updated. Vertical scroll bar updated.	Manual	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.	Manual	Pass						
5	**Tool bar handling**										

5.1	Align views	Click on the Align View Button, with another time graph view, eg the Control Flow view opened above or 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	Manual	Fail	CFV, ResourcesView still move when the align button is deselected					
5.2	Show Legend	Click Show Legend button	The legend dialog is opened and can be closed.	Manual	Pass						
5.3	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						
5.4	Select Previous/Next Event	Click Previous/Next Event button	Previous or next state is selected. Selected time is updated in other views.	Manual	Pass	State works					
5.5	Select Previous/Next Element	Click Previous/Next Element button	Selected entry is changed in table and time graph. Vertical scroll bar updated.	Manual	Fail	no element nor event button					
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.	Manual	Pass						
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)	Manual	Pass						

5.8	Next/Previous marker	Add more bookmarks, then click on the next/previous 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	Manual	Pass						
5.9	Delete bookmark	With next/previous marker, when on a bookmark, click the delete bookmark button	The bookmark is deleted from all views	Manual	Pass						
5.11	Do not show markers	Click on the down arrow at the extreme right of the view, then expand Show markers and uncheck the Bookmarks box	All remaining bookmarks disappear from the view, but remain in other views where the they are enabled	Manual	Pass	Bookmarks are not hidden by the markers' contextual menu, but are hidden by the view's contextual menu					
5.12	Show markers	Same as above, recheck the Bookmarks box	The bookmarks come back	Manual	Pass						
6	**Synchronization**										
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						
6.2	Window range synchronization	Select a new window range in another view	Window range is updated.	Manual	Pass						
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	Manual	Pass						

	Section	Pass	Fail		To Do	Comment
	Flame Graph	19	0	11	0	1
Target:	Windows 7 64 bit					

Step	Test Case	Action	Verification			Comment
0	Download the test resources	Download this				
1	Preparation					
1.1	Open TMF Flame Graph View	Use menu Window → Show View → Tracing → Flame Graph	Verify that 'Flame Graph View' 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	SWTBot	Pass	
1.3	Import cyg-profile trace	Import the trace in the "trace" directory of the downloaded zip	Verify that the Flame Graph View is populated with some callers/callees 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 Graph View is populated with some callers/callees information.	SWTBot	Pass	
2	Manage View					

2.1	Close view	Close the 'Flame Graph' View	Flame Graph' view is removed from perspective	SWTBot	Pass	
2.2	Open view	Use menu Window → Show View → Other … → Tracing → Flame Graph	Flame Graph' view is displayed and re-populated	SWTBot	Pass	
2.3	Open Trace	Open "trace(-fast)" trace	Verify that view is populated with callers/callees 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 is populated with callers/callees information	SWTBot	Pass	
2.5	Open Experiment	Open Experiment with 2 or moreFlame Graph traces. (You can use both traces)	Verify that view is populated with all callers/callees information (separated by trace).	Manual	Pass	
2.6	Restart	Restart Eclipse with Flame Graph trace opened	Verify that view is populated with callers/callees from trace	Manual	Pass	

2.7	Close all traces	Close traces and experiment one by one from the editor tab	Verify that Flame Graph view is cleared after closing the last trace	Manual	Pass	
3	**Sorting**					
3.1	Thread name sorting	Open a trace multiple Flame Graph thread or open experiment with 2 or moreFlame Graph traces. Then select 'Sort threads by thread name'	The view is sorted by thread name.	Manual	Pass	
3.2	Thead id sorting	Open a trace multiple Flame Graph thread or open experiment with 2 or moreFlame Graph traces. Then select 'Sort threads by thread id'	The view is sorted by thread id.	Manual	Pass	
4	**Synchronization**					
4.1	Time synchronization	Select a random time in another view	Selected time line is not updating. Nothing happen.	Manual	Pass	

4.2	Go to maximum	1. Open the 'Call Stack' View 2. In the 'Flame Graph' view, right-click on a random entry in the graph 3. Select 'go to maximum'	- The 'Call Stack' view is populated - The call stack view is synchronised to the range of the maximum call duration of the 'Flame Graph' selected entry	Manual	Pass	
4.3	Go to minimum	1. Open the 'Call Stack' View 2. In the 'Flame Graph' view, right-click on a random entry in the graph 3. Select 'go to minimum'	- The 'Call Stack' view is populated - The call stack view is synchronised to the range of the minimum call duration of the 'Flame Graph' selected entry	Manual	Pass	
5	**Function name import**					
5.1	Function name import	1. Open the 'Call Stack' view with the 'Flame Graph' view and the cyg-profile trace opened 2. Import 'cyg-profile-mapping.txt' as mapping text file	Both 'Call Stack' and 'Flame Graph' views display function name instead of function 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	
	Mouse hover (state)	Hover mouse in time graph over state	Tool tip shows Total time and self times with standard statistics.	SWTBot	Pass	

#	Section	Pass	Fail		To Do	Comment
	Counters View	0	0	0	0	0
Target:						

Step	Test Case	Action	Verification			Comment
1	**Preparation**					
1.1	Import an LTTng trace (with counters) and non LTTng traces	LTTng trace (with counters): kernel VM in test-traces	In the project explorer, ensure the Counters view icon is only strikethroughed for the non LTTng trace.	Manual	N/A	
2	**Filtered checkbox tree**					
2.1				Manual	N/A	
3	**Displaying counters data**					
3.1				Manual	N/A	
4	**Supporting experiments**					
4.1				Manual	N/A	
5	**Persistence between traces**					
5.1				Manual	N/A	

Section	# Bug Reports	# Open	# Fixed
Bug Reports	13	13	0

Test Case	Bug Title	Found	Bug Report	Status	
Sequence Diagram 5.23	[TMF] Sequence Diagram Overview feature not working well on recent platform versions	0.1.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=436442	Open	
LTTng 2 - Memory Analysis 3.7, 3.8, CPU Analysis 4.10, 4.11	[TMF] Status bar is not updated when selecting time range in XY charts	0.1.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=436853	Open	Enhancement
LTTng 2 - Memory Analysis 4.3, CPU Analysis 6.3, XmlAnalysis 7.3	[TMF] Time range selection outside current range should update current range in time graph views	0.1.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=436855	Open	
LTTng 2 - Memory Analysis 4.1, CPU Analysis 6.1	[TMF] Time selection outside current range should update current range in xy charts	0.1.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=436861	Open	
Project View 6.5	[TMF] Original experiment reappears after rename and copy	0.1.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=436888	Open	
RCP 1.4	[lttng rcp] Opening a second trace with --open activates the wrong editor	0.1.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=443461	Open	
Sequence Diagram 3.1	Sequence diagram interaction tooltip is hard to read on Ubuntu	0.1.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=455523	Open	
Sequence Diagram 5.24	Button gets disabled in print dialog of sequence diagram after clicking on it	0.1.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=455546	Open	
Memory analysis 2.4/ CPU Analysis	[TMF] XY chart view is cleared after being filled when restarting or opening a trace	0.1.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=467751	Open	
Control view 17.9	NPE trying to destroy a session	1.0.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=469424	Open	
Control view 17.9	SWTException widget is disposed trying to import trace from Control view	1.0.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=469425	Open	
Project view	Import to experiment will swallow exceptions	1.1.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=476475	Open	
Time Chart 2.3	IOException in FlatArray.insert	1.1.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=476487	Open	
Project Explorer 3.21	Deleting a project with the delete key does not work	2.0.0	https://bugs.eclipse.org/bugs/show_bug.cgi?id=486505	Open	