

The Official CBT ISPF Dialog

aka OCD

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Good morning, afternoon, or evening.

In this presentation I'm going to share with you about a new tool for accessing, and researching, the CBTTape website.

My name is Lionel Dyck and the tool is The Official CBT ISPF Dialog, also known as OCD.

The Official CBT Dialog (OCD)

- This has been requested for over the years
- Some sites would download all the CBT files, unzip, upload to z/OS, and TSO RECEIVE them (or use the DFDSS unload volume)
- Others would download, unzip, and upload just FILE001 (the index)
- Still a challenge to find things
 - Google search worked to a degree
 - ISPF browse worked to a degree
- Finally developed starting in April of 2021
 - Numerous iterations with a LOT of feedback
 - Kudos to John Kalinich and Willy Jensen
 - Appreciation to Sam Golob

For years there has been a desire to be able to have an easy to use application to access the CBTTape files locally. This was resolved at some sites by downloading all the files, unzipping them, uploading to z/OS and doing a TSO RECEIVE. Other sites downloaded and installed FILE001, which is the index to all the files with a description of each tile in it for use locally. And a few times a year someone would ask for an application.

That time is now. In April I was trying to research the files on the CBTTape site for information on a few topics. Using the web was frustrating and working with FILE001 locally, while better, wasn't that great. It was at that time that I was working on an update to my FTPBatch ISPF dialog to clean up a new feature that provided the ability to synchronize the members of a PDS between the local site and a remote site using FTP, when it hit me that I could use the same techniques to access the CBTTape site.

And the Official CBT Dialog, or OCD as we call it, was created. I had an initial implementation and then received great feedback and suggestions from John Kalinich, including some code. I also received a full search dialog from Willy Jensen that is included as the Enhanced Search option, which uses a dynamic ISPF panel and has some nice search features.

OCD - How to get it

- Download FILE043 from www.cbttape.org (check updates for the latest)
 - Unzip, binary upload (FB,80), TSO RECEIVE
- Download from <https://github.com/lbdyck/CBTView>
 - Unzip, binary upload (FB,80), TSO RECEIVE
- Or git clone [git@github.com:lbdyck/CBTView.git](https://github.com/lbdyck/CBTView.git)
 - Suggest using ZIGI (<https://zigi.rocks>) - the z/OS ISPF Git Interface
- Execute the \$INSTALL member of the FILE043.PDS
 - Prompted installation
 - Creates a hlq.FILEIDX.PDS
 - Prompts to review/update the customization member (CBTCONFIG)
 - Customize the CBTVIEW member

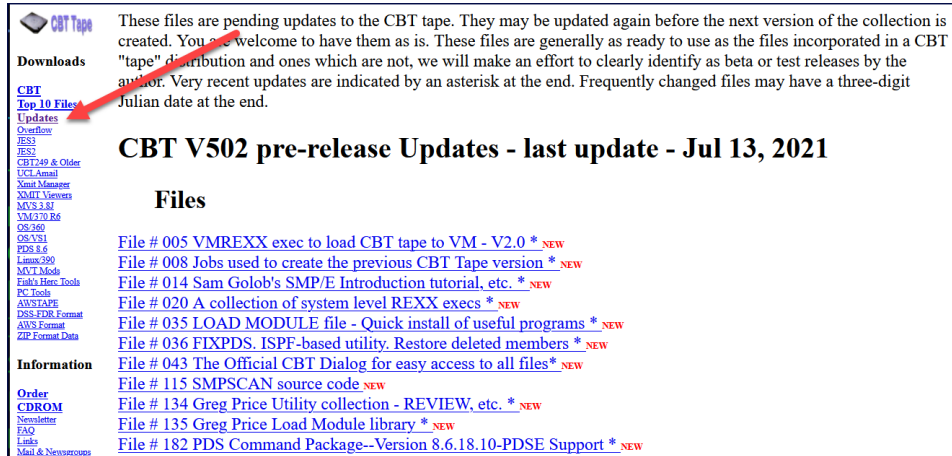
To get OCD is relatively simple – there are three basic options:


1. Download FILE 43 from www.cbttape.org (check the updates directory for the latest)
2. Just download the zip file from github
3. Use git to clone CBTVIEW from github.com

Using Git is quick and easy, especially if you have ZIGI installed (see <https://zigi.rocks>, or cbttape.org file 997).

Within the distributed PDS is the \$INSTALL member that is used for the initial installation, **and for updating** your installed OCD.

<https://www.cbttape.org/updates.htm>



 These files are pending updates to the CBT tape. They may be updated again before the next version of the collection is created. You are welcome to have them as is. These files are generally as ready to use as the files incorporated in a CBT "tape" distribution and ones which are not, we will make an effort to clearly identify as beta or test releases by the author. Very recent updates are indicated by an asterisk at the end. Frequently changed files may have a three-digit Julian date at the end.

Downloads

[CBT](#)
[Top 10 Files](#)
[Updates](#)
[Overview](#)
[JES3](#)
[JES2](#)
[CBT 499 & Older](#)
[UCL/Amal](#)
[Xmit Manager](#)
[AMM Users](#)
[MVS 3.31](#)
[VM370 R6](#)
[OS/360](#)
[OS/370](#)
[PDS 8.6](#)
[Linux/290](#)
[MVT Mode](#)
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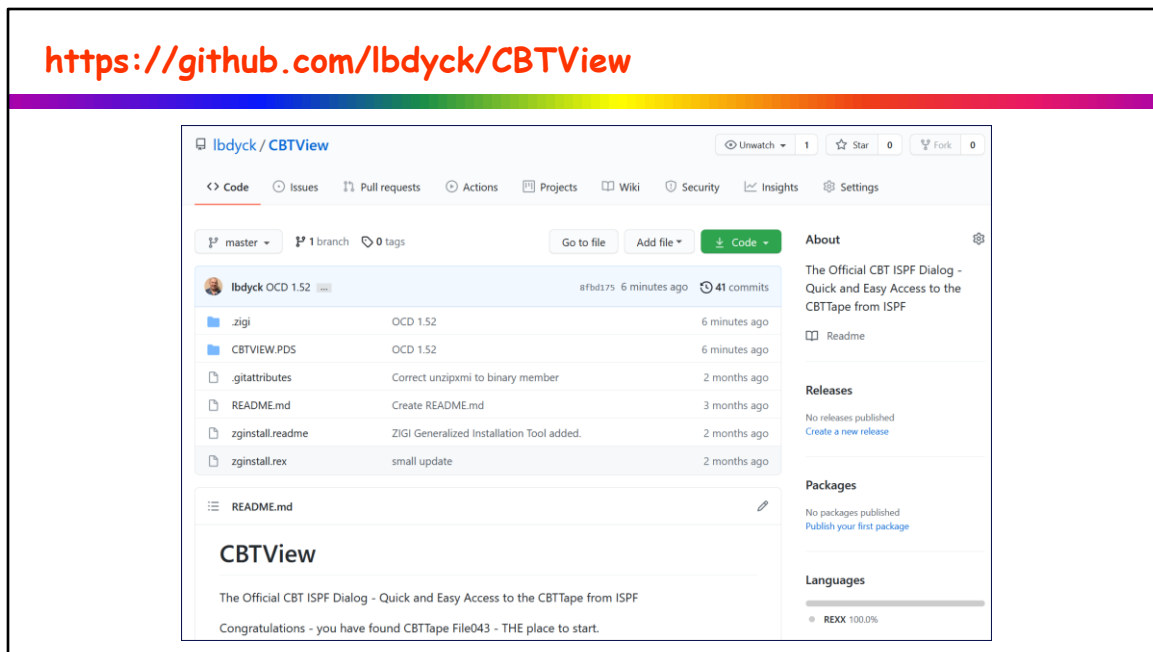
CBT V502 pre-release Updates - last update - Jul 13, 2021

Files

[File # 005 VMREXX exec to load CBT tape to VM - V2.0](#) *NEW
[File # 008 Jobs used to create the previous CBT Tape version](#) *NEW
[File # 014 Sam Golob's SMP/E Introduction tutorial, etc.](#) *NEW
[File # 020 A collection of system level REXX execs](#) *NEW
[File # 035 LOAD MODULE file - Quick install of useful programs](#) *NEW
[File # 036 FIXPDS, ISPF-based utility. Restore deleted members](#) *NEW
[File # 043 The Official CBT Dialog for easy access to all files](#) *NEW
[File # 115 SMPSCAN source code](#) NEW
[File # 134 Greg Price Utility collection - REVIEW, etc.](#) *NEW
[File # 135 Greg Price Load Module library](#) *NEW
[File # 182 PDS Command Package--Version 8.6.18.10-PDSE Support](#) *NEW

With the CBTTAPE site currently at version 501, the OCD can be found on the Updates page.

<https://github.com/lbdyck/CBTView>



Or if you prefer git, you can get the OCD from GitHub. Why CBTView – because that was the original name until it was changed.

<https://github.com/lbdyck/CBTView>

```
General  Local Repo  Remote Repo  Handy Functions  Help
-----
Current Repository ----- (ZIGI v3r11) ----- Row 1 of 4
Command ==> _____ Scroll ==> CSR
Local dir   : /u/lbdyck/git/cbtview                F3
Remote path : origin git@github.com:lbdyck/cbtview.git >
Current Branch: master
                Your branch is up-to-date with 'origin/master'.
                nothing to commit, working tree clean

S  Status                Dataset/File Name
--
--                zgininstall.readme
--                zgininstall.rex
--                'LBDYCK.CBTVIEW.PDS'
--                README.md
***** Bottom of data *****
```

This slide demonstrates what you would see if you use ZIGI (the z/OS ISPF Git Interface) to get your copy of OCD.

OCD - Installation/Update Dialog

```
Menu  Functions  Confirm  Utilities  Help
-----
BROWSE          LBDYCK.CBT.FILE043.PDS          Row 0000001 of 0000014
Command ==>                                         Scroll ==> CSR
-----
Name           Prompt           Size  Created          Changed          ID
$$$#DATE              12  2021/04/16  2021/04/16  16:42:11  CBT
-----
-----
The Official CBT ISPF Dialog Installation Prompt
-----
EX  Enter/Verify the FILEIDX.PDS dataset name:
-----
FILEIDX.PDS dataset name: 'LBDYCK.CBT.FILEIDX.PDS' 02
-----
Action if hlq.FILEIDX.PDS exists:  _  R Replace or  U Update
-----
Replace will delete the existing hlq.FILEIDX.PDS and reallocate
Update will only update the dialog code in hlq.FILEIDX.PDS
-----
If the hlq.FILEIDX.PDS does not exist then the action is ignored.
-----
or F3 to cancel
-----
IT
```

The \$INSTALL exec will guide you in both the Installation and the Update process. The Update process simplifies updating OCD when an update is released, by only copying the key executable members. The installation will do much more (as it should).

OCD - How it Works

- Uses the z/OS FTP command to connect to the CBTTAPE site
- If FTP is not enabled via CBTCONFIG, or if FTP is not allowed, then hlq.FILE001.DATA must be manually installed to z/OS
- If FTP is enabled
 - All referenced files are downloaded using FTP to /tmp
 - The OMVS unzip command is used to unzip the zip file
 - Included with OCD and installed in /tmp when needed
 - The .DATA or .XMI file is copied to hlq.FILEnnnn.DATA or hlq.FILEnnnn.XMI
 - If .XMI, then TSO RECEIVE is invoked to generate the hlq.FILEnnnn.PDS
 - The /tmp files are removed
- At startup, if FTP enabled, checks for updated files and update CBT release.

OCD is designed to work whether you can FTP files directly from the CBTTAPE website using your z/OS system or not.

If you do not have the ability to use FTP, then you will need to access at least FILE001 and install that on your z/OS system for use by OCD.

The OMVS unzip command is included in the OCD distribution in TSO Transmit format, and the \$INSTALL will RECEIVE the XMIT file to create the UNZIP member in the FILEIDX.PDS that will be copied to /tmp when needed.

When OCD starts there are a few checks implemented:

1. Is FTP enabled?
2. Did the CBT version change (e.g. from V501 to V502)?
3. Are there updated files in the /updates directory?

OCD - CBTDOWN

- The CBTDOWN exec can download in batch, or TSO, a single CBT file or ALL files. Requires FTP to access the www.cbttape.org site.
- Uses the CBTCNFG for the SYSOUT and VOLSER specifications.
- Use this if you want ALL of the CBT Files on your local DASD.
- Sample Batch JCL Provided in CBTDOWNJ.

If you want to have all of the files locally then the CBTDOWN exec can be used, providing you have FTP access to the CBTTAPE site.

Or you can download from www.cbttape.org a DF/DSS Dump of a volume containing ALL of the files for easy restore.

OCD - The ISPF Dialog

```
CBTTape® 1.52      The Official CBT V501 ISPF Dialog      Updates.
Command ==> _____ Scroll ==> CSR

S File Description                                     Date
- 001 Detailed documentation of the CBT MVS Utilities Tape * V501
- 002 CBT973 Compression-Decompression Program for Files V501
- 003 JCL member to load each tape file to disk + V501
- 004 Put ./ ADD cards into this file to make a PDS V501
- 005 VMREXX exec to load CBT tape to VM - V2.0 + 21/05/16
- 006 Collection of Utilities to manipulate File 001 doc + V501
- 007 SYSUPL0G (keep as EBCDIC only) - sequential data + V501
- 008 Jobs used to create the previous CBT Tape version + 21/05/16
- 009 Gene Lew old RACF exits V501
- 010 IMON for z/OS - a comprehensive z/OS monitor V501
- 011 MVS DEBE, MSG2USER, System Info into CLIST variables V501
- 012 John Hancock Mutual ISPF Background Jobs driver V501
- 013 SHARE RACF mods tape - SETPW2 fixed - WHOIS fixed V501
- 014 Sam Golob's SMP/E Introduction tutorial, etc. + 21/07/09
- 015 Warner Brothers collection of Utilities and Exits V501

61 updated files are available. Use the Update command to retrieve all
updated files, or the U selection to update selected files.

020 A collection of system level REXX execs + 21/04/15
```

When started the code does several things:

1. Check the CBTCNFG (application configuration parameters) to determine if FTP is enabled.
2. If FTP enabled, confirm that (trust but verify)
3. If FTP is really enabled:
 1. Check for an updated CBT 'tape' version – inform the user if there is
 2. Check for files in the \updates directory – get a list of updated files and inform the user

OCD - The Tutorial

```
Tutorial ----- The Official CBT ISPF Dialog ----- Tutorial
Command ==> _

Easy access to the contents of the CBTAPPE® website.

This ISPF Dialog provides quick, and easy, access to the contents
of the CBTAPPE® 'tape', updates, and overflow, directly from your z/OS
TSO/ISPF session.

If FTP is available, then ALL of the CBTAPPE® files are available to be
downloaded on demand (when you want to check them out). If FTP is not
available, then each individual file will need to be downloaded and made
available on z/OS for this dialog to work.

To delete a downloaded CBTAPPE® file, use the DSlist command.

The following topics are presented in sequence, or may be selected by number:

    1 Primary commands                4 The Table Explained
    2 Individual file commands        5 CBTape® Refresh Process
    3 Application overview             6 CBTape® messages
```

Just in case you don't use OCD enough to remember all the capabilities included – there is a reasonable tutorial provided.

Demo

```
CBTTape® 1.52      The Official CBT V501 ISPF Dialog      Row 1 of 1014
Command ==> s_dynamic_steplib_      Scroll ==> CSR

S File Description Date
- 001 Detailed documentation of the CBT MVS Utilities Tape * V501
- 002 CBT973 Compression-Decompression Program for Files V501
- 003 JCL member to load each tape file to disk + V501
- 004 Put ./ ADD cards into this file to make a PDS V501
- 005 VMREXX exec to load CBT tape to VM - V2.0 + 21/05/16
- 006 Collection of Utilities to manipulate File 001 doc + V501
- 007 SYSUPL0G (keep as EBCDIC only) - sequential data + V501
- 008 Jobs used to create the previous CBT Tape version + 21/05/16
- 009 Gene Lew old RACF exits V501
- 010 IMON for z/OS - a comprehensive z/OS monitor V501
- 011 MVS DEBE, MSG2USER, System Info into CLIST variables V501
- 012 John Hancock Mutual ISPF Background Jobs driver V501
- 013 SHARE RACF mods tape - SETPW2 fixed - WHOIS fixed V501
- 014 Sam Golob's SMP/E Introduction tutorial, etc. + 21/07/09
- 015 Warner Brothers collection of Utilities and Exits V501
- 016 Scott & White Hospital User Exits V501
- 017 LISTDD program from Firemen's Fund V501
- 018 TSUPDATE program from Conrail V501
- 019 Utilities from John Hooper V501
- 020 A collection of system level REXX execs + 21/04/15
```

Now for a short demo.

Let's find if there is a dynamic steplib command available. Using the Search command, we look for the term 'dynamic steplib'

Demo

```
CBTTape® 1.52      The Official CBT V501 ISPF Dialog      2 Hits
Command ==> _____ Scroll ==> CSR

S File Description Date
- 452 Dan Dalby's MVS-JES2 Utilities + STEPLIB, etc. V501
- 1001 REXX Execs from Peter Vels + V501
***** Bottom of data *****
```

There are two files on the 'tape' with the term 'dynamic steplib'

Demo

```
File Edit Edit_Settings Menu Utilities Compilers Test Help
VIEW      LBDYCK.CBTX.FILEIDX.PDS(FILE452) - 01.00      Columns 00001 00080 .
Command ==> _____ Scroll ==> CSR .
000102 /** * FILE 452 .
000103 /** Dynamic Steplib (STEPLIB) * FILE 452 .
000104 /** Updated ...ongoing... * FILE 452 .
000105 /** * FILE 452 .
000106 /** With the deficiencies of ISPLLIB, and the other * FILE 452 .
000107 /** "tasklib" capabilities provided by IBM, sometimes you * FILE 452 .
000108 /** really need a STEPLIB. I've found it easier to simply * FILE 452 .
000109 /** forget the other facilities, and use STEPLIB * FILE 452 .
000110 /** exclusively. This tool allows you to create, alter or * FILE 452 .
000111 /** remove your STEPLIB at any time during the life of your * FILE 452 .
000112 /** TSO session. * FILE 452 .
000113 /** * FILE 452 .
000114 /** ----- * FILE 452 .
```

Selecting the file brings up the summary (extracted from FILE001 during the build/rebuild) in ISPF View and does a find for the search string.

Demo

```
VIEW      LBDYCK.CBTX.FILEIDX.PDS(FILE1001) - 01.00      Columns 00001 00080 .
Command ==> _____ Scroll ==> CSR _____ .
000054 /*      Note: There is a dependency on CBTTAPE File 452 for * FILE1001 .
000055 /*      dynamic STEPLIB support. * FILE1001 .
000056 /*      * FILE1001 .
000057 /*      PVJCL - a Rexx edit macro which, when run while viewing * FILE1001 .
000058 /*      unfamiliar JCL, displays the JCL formatted on an * FILE1001 .
000059 /*      ISPF panel to make it easier to understand. * FILE1001 .
000060 /*      Designed for those either not familiar with JCL at * FILE1001 .
000061 /*      all or not familiar with a large JCL member. Just * FILE1001 .
000062 /*      makes it easier to understand. * FILE1001 .
000063 /*      * FILE1001 .
000064 /*      PVALLOCD - a Rexx edit macro used in SDSF to display * FILE1001 .
```

And this just shows the second file.

Treasures Available Within

- The PDS Command (file 182)
- The REVIEW command (file 134)
- Sam Golob's SMP/E Introduction Tutorial (File 014)
- SMP/E Tutorial - SHARE Presentations (File 1002)
- PDSEGEN - work with PDSE Member Generations (File 969)
- CBT Usermods Collection for ISPF (File 967)
- ZIGI - z/OS ISPF Git Interface (File 997)
- RACFADM - Easy RACF Admin Dialog (File 417)
- Over a dozen different automation packages
- COBOL Analyzer (File 321)
- FTPBatch - FTP Put, Get, Sync (File 312)
- XMITIP - z/OS E-Mail (File 314)
- ZSYNC - Sync two partitioned datasets (File 314)
- Stand-Alone IPL - ZZSA (File 437, 538)
- ZZSA Tutorial Package (File 979)
- SHARE JES2 Song Book (File 033)
- Assembler Structured Macros (File 1010)
- ISPF Developer Tips and Tricks (File 990)
- TSO Command Prompt for HLASM (File 966)
- Remote SYSLOG Logging Facility (File 955)
- STEMEDIT (File 895)
- IMON z/OS System Monitor (File 10)
- MXI z/OS System Info Display (Files 409-410)
- Dynamic STEPLIB (File 452)
- Dynamic Concatenation - ADDTO (File 452)
- z/OS Rescue System - 4 different files
- Several Catalog cleanup tools
- Perl Compatible Regular Expressions - PCRE2 (File 939)
- XEPHON articles - MVS, CICS, SNA, VSAM, VM, VSE
- SHOWzOS (File 492 and 614)
- Numerous SMF Exits
- Several Disassembler tools
- Several storage display tools
- A 3270 based game called Klingon (File 38)
- Utilities for MVS 3.8 (File 77)
- A complete security system (File 165)
- FSE - Full Screen Editor (File 207)
- REXX function package for VSAM access (File 268)
- SAS programs to work with SMF (File 374 and 375)
- The Complete ISPF GUIDE Tape (Files 460-471)
- REXX to Download Text file via HTTP (File 556)
- MVS 3.8 Utilities (File 574)
- Several DB2 tools
- REXX Global Variables, VSAM Access, etc. (File 669)
-

These are just the tip of the iceberg – all are open-source.

OCD - CBTTAPE Version Update

- When the CBTTAPE updates to a new version
- All files from the update's directory are moved to the standard directory
- ALL Files are refreshed for the new Version, including FILE001
- Using OCD, use the U (Update) action for FILE001 to get the updated version
 - Or download and install if you don't have FTP
- Use the REBuild Command to recreate the OCD Index

When Sam releases a new 'tape' version, CBTVIEW is able to detect this providing FTP access to the CBTTape website is available.

CBTView will inform the dialog user that a new 'tape' release is available. At that point the recommended steps to update are to:

1. Use action U, for update, on FILE 001.
2. Execute the REBuild dialog command

If you don't have FTP capability, then you'll have to manually download FILE 001. Then upload it to z/OS, and then run the REBuild command.

Shameless Plug

The screenshot shows the IBM DeveloperWorks RFE voting interface. At the top, there is a search bar and navigation links for 'Topics', 'Community', and 'More open source at IBM'. Below this is a filter section with the following options:

- Display:** Top voted requests - the requests that have the most votes (dropdown)
- Brand:** All brands (dropdown)
- Product:** All products (dropdown)
- Exclude:** Delivered requests Declined requests

A 'Submit' button is located below the filter section. Below the filter section, the page displays 'Top 25 voted requests' with links for 'Show summaries | Hide summaries', 'Download', and 'RSS'. The top result is '221 votes TSO/E: Implement Pipes Facility (47699)' with a 'Last updated: 30 Jun 2021' timestamp. Below the title, there is a '→ Voted' link and a green 'Uncommitted Candidate' badge. The platform 'z/OS' is indicated at the bottom right of the result card.

This is THE TOP voted requirement among all brands at this point.

Please keep voting – if you haven't then please vote. If you have, then encourage others to vote.

http://www.ibm.com/developerworks/rfe/execute?use_case=viewRfe&CR_ID=47699

Questions

