

## Test Case

\*Business Area Custom Build

Library STAG

\*Test Case Name UT.CBDMCMD.SETUP

\*Project(s) 12465 CB DOS Changes and Testing/Deployment of CDWRITE/UTD/Windows 7 client software for DVD towers communication conversion from CTC to TCP/IP, 11076 Productive Development Miscellaneous Tasks

History of all Projects: 12465 CB DOS Changes and Testing/Deployment of CDWRITE/UTD/Windows 7 client software for DVD towers communication conversion from CTC to TCP/IP, 11076 Productive Development Miscellaneous Tasks, 12439 Test and Deploy updated CDWRITE module in support of RCQ00225875, 12296 Provide Mfg Support For z/OS Version 1 Rel 13, 12085 Provide Mfg Support For z/OS Version 1 Rel 12

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Last Modified: 02-01-2019 4:36:26 PM by Hector Tello1/Mexico/IBM

### Description

CBDMCMD Process Model:

CBDMCMD Internal Design:

- Changes for WI# 12296 are hilited in **blue** (AMS 05/05/2011).
- Changes for WI# 11076 PR# 8788 and TSRM incident IN1473094 are hilited in **dark blue** (AMS 11/10/2011)
- Changes for WI#11076 PR# 9250 are hilited in **dark cyan** (MAT 02/26/2013)
- Changes for WI#12439 are hilited in **light blue** (AMS 16/07/2013).
- Changes for WI# 11076 PR#9595 are hilited in **light brown** (AMS 30/12/2013).
- Changes for WI# 12465, RRC 158082, Portfolio Epic 1233412, and User Story 1412722 are hilited in **dark magenta** (MRODOLF 02/20/2017)
- Changes for WI# 11076 in support for Defect 1830554 are hilited in color **Hot Pink** (JICG 11/30/18).

### Scope

Unit

### Data Inputs

File Inputs
<b>Create CB DVD Order Media Configuration File (CTL)</b> : - <Userid>.CTL.CFG(CBDMCMD) OR <CBSOMAT.UT>.CTL.CFG(CBDMCMD)
<b>CB DVD Order Processing Error Notification File (ERRNTFY)</b> : - <Userid>.DVD.ERROR.EMAIL.NOTIFY OR <CBSOMAT.UT>.DVD.ERROR.EMAIL.NOTIFY - The file will contain email addresses of CB Development Support personnel and/or ISC SW CB Mfg personnel who will need to fix the error or be aware of the error.
<b>CB DVD Order Processing Warning Notification File (WARNTFY)</b> : - <Userid>.DVDB.WARN.EMAIL.NOTIFY OR <CBSOMAT.UT>.DVDB.WARN.EMAIL.NOTIFY
<b>CB Mfg. Products File (CBORDPR)</b> : - <Userid>.NNNNNN OR <CBSOMAT.UT>.NNNNNN WHERE NNNNNN = THE TEST PRODUCTS FILE CREATED - Contains records (Type '1 ' and Type '4 ') for CBPDO, ServerPac, and CustomPac DVD, and COD DVD, and cartridge orders.
<b>CB DVD Order PREMAST Image File</b> :

<p>- <b>&lt;UserId&gt;.DVDB.rrrrrrr.Vvvvvvv.IMG OR</b> &lt;CBSOMAT.UT&gt;.DVDB.rrrrrrr.Vvvvvvv.IMG  where rrrrrrr = the CB Manufacturing Run# (IMFGRUN#) column value obtained from the <b>CB Mfg. Order Table (VCBMORDER)</b> and  vvvvvvv = the value of the VOLSER field (positions 26 - 31 if a CBPDO order is being processed OR positions 25 - 30 if a ServerPac, COD, or CustomPac order is being processed)  <b>Used if media volume (type 4) and CALL CDWRITE = Y.</b></p>
<p><b>CB IP Connected DVD Tower Details File (IPCFG)</b>  - <b>&lt;UserId&gt;.DVD.TOWER.DETAILS OR</b> &lt;CBSOMAT.UT&gt;.DVD.TOWER.DETAILS  - Contains DVD Tower record(s) and Unit records (DVD drive unit numbers) corresponding to CB IP Connected DVD Tower(s).</p>
<p><b>CB DVD Unit Addresses File</b>:  - <b>&lt;UserId&gt;.DVD.UNIT.ADDR OR</b> &lt;CBSOMAT.UT&gt;.DVD.UNIT.ADDR  - Contains records for CB DVD Unit Addresses used by this process.</p>
<p><b>Data Base Inputs</b></p>
<p><b>CB Mfg. Order Table (VCBMORDER)</b>:  - Contains rows for CBPDO, ServerPac, and CustomPac DVD, and COD DVD, <b>and cartridge</b> orders (one row for each order processed).</p>

<p><b>File Outputs</b></p>
<p><b>CB DVD Unit Addresses File</b>:  - <b>&lt;UserId&gt;.DVDB.UNIT.ADDR OR</b> &lt;CBSOMAT.UT&gt;.DVDB.UNIT.ADDR  - Contains records for CB DVD Unit Addresses used by this process.</p>
<p><b>MQ Outputs</b></p>
<p>- <b>OMS Admin Queue</b>:  - Queue name <b>CB.UT_LBL_DAT_REPLY.QL</b>  - An <b>OMS Admin message</b> will be added to the queue corresponding to an error, warning, or informational message..  - The <b>OMS SDS Logger process</b> will log the error in the <b>OMS Activity Log Table</b>.  - The queue manager and queue name will be specified by the <b>OMS Admin Queue Name parm (OMSADMINQNAME)</b>  in the <b>Create CB DVD Order Media Configuration File (CTL)</b>.</p>
<p><b>Sysprint</b></p>
<p><b>Create CB DVD Order Media Summary Report</b>:  - Will contains lines for the:  - Number of <b>CB Mfg Products Files</b> processed  - Number of Type '4 ' records processed in the <b>CB Mfg Products File</b>  - <b>Number of Type '4 ' records bypassed in the CB Mfg Products File</b>  - Number of DVD volumes created</p>

## ▼ Test Case Setup

Make sure **UCBDMCMD** JCL member is set up correctly in **SDTSOR.UTFT.EXECJCL** as given below.:

1. Route the output to **SDSF FLASHER** ( make sure MSGCLASS=R in JOB statement).
2. Make sure the CBASHLQ parm in S1 is set to '**CBSOMAT.UT**'.
3. Set EXECLIB parm is pointing to the SCLM library where REXX EXECs will be executed from.

4. Set PROCLIB parm in S1 to point to the SCLM library where PROCs will be executed from.
5. Make sure the SUMMARY parm in S1 is set to contain the Dsname of **CB Mfg. Products File (CBORDPR)** file.
6. Run the job with a TYPRUN=SCAN in JOB card, to verify syntax.

Or set up your own JCL in <Userid>.TEST.JCL(UCBDMCMD)

## ▼ **Data Conversion/Run Preparation**

### **Create CB DVD Order Media Configuration File (CTL)** :

- <Userid>.CTL.CFG(CBDMCMD) **OR** <CBSOMAT.UT>.CTL.CFG(CBDMCMD)
- Create or ensure the file exists and contains the latest parameters listed in the process model file.
- Set the configuration file parameters as follows:
  - JOB\_NAME\_PREFIX=DVC
  - CB\_DVD\_UNIT\_DD\_NAME=CBDVDUN
  - CALL\_CDWRITE=Y/N - Will contain a value of 'Y' if the CDWRITE program should be called and DVD volumes are to be created
  - Will contain a value of 'N' if the CDWRITE program should not be called and DVD volumes do not need to be created (testing)
  - CDWRITE\_PGM\_NAME\_LOAD=CBSOMAT.DVDB.UTDPRMST.LOAD.NEW2(CDWRITE)
  - CB\_DVD\_ORD\_FILE\_HLQ=CBSOMAT.UT.DVDB
  - CB\_DVD\_ORD\_PREMAST\_FILE\_LLQ=IMG
  - CB\_DVD\_ORD\_UA\_FILE\_LLQ=UNIT.ADDR
  - SLEEP\_SECONDS=2
  - MAX\_TRIES\_TO\_ALLOC=10
  - DVD\_MEDIA\_TYPES=DVDS
  - CANC\_STATUS=CANC
  - QMGR=NWDB
  - OMSADMINQNAME=CB.LEG\_DAT\_REPLY.QL
  - OMS\_CODEPAGE=37
  - EMAIL\_ID\_CHAR=N
  - DB2SYS=DEV
  - DBATTEMPTS=5
  - DBWAIT=60
  - REM\_DB2\_CONN=N
  - PLAN\_NAME\_RXSQL=RXSQL
  - TRACEOPTION=O

### **CBSOMAT.DVDB.UTDPRMST.LOAD.NEW2 library:**

- Ensure it contains the latest version of the CDWRITE program.

### **CB DVD Order Processing Error Notification File (ERRNTFY)** :

- The file will contain email addresses of CB Development Support personnel and/or ISC SW CB Mfg personnel who will need to fix the error or be aware of the error.
- <Userid>.DVDB.ERROR.EMAIL.NOTIFY **OR** <CBSOMAT.UT>.DVDB.ERROR.EMAIL.NOTIFY
  - Ensure a record is contained in this file with an e-mail address as the example below: the follow email address:
  - Carlos Eduardo da Silva/Brazil/Contr/IBM@IBMBR,
  - Edward Ghiazza Jr/Boulder/IBM@IBMUS

### **CB DVD Order Processing Warning Notification File (WARNTFY)** :

- <Userid>.DVDB.WARN.EMAIL.NOTIFY **OR** <CBSOMAT.UT>.DVDB.WARN.EMAIL.NOTIFY
  - Contains eMail addresses of people (CB I/T Support, ISC SW CB Mfg and/or CB Operator

personnel) who should be notified when a **Create CB DVD Order Media (CBDMCMD) process** warning occurs.

- Ensure a record is contained in this file with an e-mail address as the example below: ~~the follow email address:~~

~~Carlos Eduardo da Silva/Brazil/Contr/IBM@IBMBR,~~

~~Edward Ghiazza Jr/Boulder/IBM@IBMUS~~

~~Andre Miguel Sodre/Brazil/IBM@IBMBR~~

#### **CB Mfg. Products File (CBORDPR) :**

- ~~<Userid>.NNNNNN~~ **OR** <CBSOMAT.UT>.NNNNNN WHERE NNNNNN = THE TEST PRODUCTS FILE CREATED

- Contains records (Type '1 ' through Type '4 ') for CBPDO, ServerPac, and CustomPac DVD and COD DVD, **and cartridge** orders,

- Create a new file **or use/update an existing file** following the example from **CB Mfg. Products File (CBORDPR)** document, ~~or~~

~~create a new file as specified in the unit test case.~~ and/or Unit Test case document.

#### **CB DVD Unit Addresses File :**

- ~~<Userid>.DVDB.UNIT.ADDR~~ **OR** <CBSOMAT.UT>.DVDB.UNIT.ADDR

- Contains records for CB DVD Unit Addresses **used by this process.** ~~to be assigned by the Assign CB DVD Unit Address (CBDMCAU) process~~ and used by the **Create CB DVD Order Media (CBDMCMD) process** for a CB DVD orders.

- Need to be created with DEVSTAT field = **Job Name Prefix parm (JOB\_NAME\_PREFIX) || CB Mfg. Order#** field (positions 9 -14).

- During the process TSSTART field will be updated to the current timestamp and, when completed, to blank.

- CBDVDUA CB DVD Unit Address

- CONNTYPE Connection Type (I for IP connected, ~~C for CTC connected~~)

- DEVSTAT Device Status

- TSASSGN Timestamp for date/time assigned

- TSSTART Timestamp for date/time started

#### **CB DVD Order PREMAST Image File :**

- ~~<Userid>.DVDB.rrrrrrr.Vvvvvvv.IMG~~ **OR** <CBSOMAT>.DVDB.rrrrrrr.Vvvvvvv.IMG

where rrrrrrr = the CB Manufacturing Run# (IMFGRUN#) column value obtained from the **CB Mfg. Order Table (VCBMORDER)** and

vvvvvv = the value of the VOLSER field (positions 26 - 31 if a CBPDO order is being processed OR positions 25 - 30 if a ServerPac, COD, or CustomPac **and cartridge** order is being processed).

- ~~- Could be Is created by Create CB DVD Order PREMAST Image File (CBDMPPR).~~

- ~~- If required (media volume (type 4) and CALL\_CDWRITE = Y.) may use CB DVD Order PREMAST Image File Sysprint Log File (PREMLOG) created by UT.CBDMPPR.B12085.00 doc.~~

- If CDWRITE program/ processing will occur then:

- Ensure a file(s) exists or is created corresponding to each Type 4 record in the CB Mfg. Products File .

- If one needs to be created then:


- It can be allocated using a file (ex: CBSOMAT.UT.DVD.ATAMS020.VD004AA.IMG) created for a previous Unit Test execution.

- OR



- If no file exists or was created for a previous Unit Test execution then check

- UT.CBDMPPR.SETUP and run a scenario from a recent UT.CBDMPPR Unit Test Case.execution.



### CB IP Connected DVD Tower Details File (IPCFG)

- ~~<Userid>.DVD.TOWER.DETAILS~~ OR ~~<CBSOMAT.UT>.DVD.TOWER.DETAILS~~
- Contains DVD Tower record(s) and Unit records (DVD drive unit numbers) corresponding to CB IP Connected DVD Tower(s).
  - Create a new file following the example from **CB IP Connected DVD Tower Details File (IPCFG)**  document, or create a new file as specified in the unit test case.

### Expected Results

- See individual test cases (UT.CBDMCMD.B12085.00)
- See individual test cases (UT.CBDMCMD.B12296.00)
- See individual test cases (UT.CBDMCMD.B11076.00)
- See individual test cases (UT.CBDMCMD.B11076.01)
- See individual test cases (UT.CBDMCMD.B12439.00)
- See individual test cases (UT.CBDMCMD.B11076.02)
- See individual test cases (UT.CBDMCMD.B12465.00) 
- See individual test cases (UT.CBDMCMD.B11076.03) 

### Results

- See individual test cases (UT.CBDMCMD.B12085.00)
- See individual test cases (UT.CBDMCMD.B12296.00)
- See individual test cases (UT.CBDMCMD.B11076.00)
- See individual test cases (UT.CBDMCMD.B11076.01)
- See individual test cases (UT.CBDMCMD.B12439.00)
- See individual test cases (UT.CBDMCMD.B11076.02)
- See individual test cases (UT.CBDMCMD.B12465.00) 
- See individual test cases (UT.CBDMCMD.B11076.03) 

### Running the Test Case

- "Perform the necessary steps in the **Test Case Setup** section.
- Perform the necessary steps/tasks noted in the previous **Data Conversion and Run Preparation** section.
- Ensure the **CBDMCMD** or **Project ARCHDEF** is built at your userid level in **SCLM**.
- Ensure the **CBDMCMD PROCLIB** member is build at your userid level in **SCLM** if there were PROC changes.
- Create or use/update an input test **CB Mfg. Products File (CBORDPR)** according **UT.CBDMCMD.\* test cases**.
- Submit the **SDTSOR.UTFT.EXECJCL(UCBDMCMD)** member or your own JCL in ~~<Userid>.TEST.JCL(UCBDMCMD)~~ .
- Check the results of the **UCBDMCMD** job in **SDSF FLASHER**.
- Compare the Actual Results with Expected Results documented in the **UT.CBDMCMD.\* test cases**.
- Update the appropriate **UT.CBDMCMD.\* test cases** with the Actual Results from the **UT.CBDMCMD**

job.