IBM™ ®

CICS Tools
Hands-On Workshop

Managing Resource definitions
for CICS with
CICS Configuration 1.2

Assigned Userid: CICSTXX

Session Objectives:

This workshop serves as a hands-on introduction to CICS Configuration Manager (CM) V1.2. It will introduce some of the basic features of CICS CM, and to show how CICS CM can help manage resource definitions and migrations for CICS.

The lab is comprised of a several hands-on exercises designed to familiarize you with the product so that you can:

Navigate the ISPF interface and view resources across CSDs (or data repositories) from a single point
Set up initial system definitions
Edit resource definitions
Generate reports
Migrate resource definitions
Identify Orphaned CICS resource definitions or groups of definitions

There are optional exercises that cover additional features of CICS CM. Due to the limited class time, you may not have time to cover these topics during the CICS Tools Work Shop. However; if you complete the other exercises early you can work on the optional exercises independently. Additionally, the option exercises have been included in the recorded demonstration so you can review them add your own convenience.

It is expected that the user of this document as a nominal amount of experience with TSO/ISPF.

For detailed information regarding CICS Configuration Manager, please reference the CICS Configuration Manager User's Guide. This document can be found on the WEB at: http://www-306.ibm.com/software/sw-library/en_US/products/F823214T19615T82/

CICS CM Script

Note: Replace all references to CICSTXX with assigned userid in each exercise

Instructor note – Use a student ID not in use for this exercise

Exercise 1 - General Navigation (instructor led)

In this exercise, we will navigate through the Settings and Administration options, learning how to customized CM and understanding what the following are and mean to the product:

Configurations
Migrations Schemes
Transformation Rules
Exit Points

- ☐ From Primary ISPF Option Menu select **P**
- ☐ From DemoPKG products screen select **D**
- ☐ From Management Tools for CICS screen select **CM**
- ☐ Hit Enter to remove Copyright information
- ☐ Enter **zserveros** next to IP address
- ☐ Enter **6023** next to Port number
- ☐ Enter **No** next to SSL enabled

```
   File   Menu   Settings   Help
   ─────────────────────────────────────────────────────────────────
                    CICS Configuration Manager - Primary Menu

   0 Settings        Set user parameters and options
   1 Administer      Administer CICS Configuration Manager definitions
   2 CICS Resources  Maintain CICS resource definitions
   3 Packages        Process change packages to migrate CICS resources
   4 Reports         Reporting views of CICS resource definitions
   X Exit            Exit CICS Configuration Manager


   Server connection details
     IP address  . . . . .  ZSERVEROS_____
     Port number . . . . .  6023_
     SSL enabled . . . . .  NO__     (NO, YES)
     SSL keyring name  . .  _____
     SSL key database  . .  _____








   Option ===> _____
    F1=Help       F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
    F8=Forward  F10=Actions  F12=Cancel
```

- Select option **0** for settings
- Remove / next to Set save confirmation on
- Remove / next to Set cancel confirmation on
- Ignore Job Statement and Steplib information as we will not be doing batch submits (your screen will not have job statement information but the below screen shows what it would look like)

```
   File   Menu   Help
   ─────────────────────────────────────────────────────────────────
                            Settings

   Options
     Display limit . . . .  10000_     (blank, 1-500000)

     Enter "/" to select option
     _   Set save confirmation on
     _   Set cancel confirmation on
     _   Set uppercase translation on

   CICS Configuration Manager server
     IP address  . . . . .  ZSERVEROS_____
     Port number . . . . .  6023_
     SSL enabled . . . . .  NO__     (NO, YES)
     SSL keyring name  . .  _____
     SSL key database  . .  _____

   Job statement information
     //DNET530 JOB ,'CICSCM',_____
     //          CLASS=A,MSGCLASS=H,MSGLEVEL=(1,1),NOTIFY=&SYSUID,_____
     //          COND=(4,LT),REGION=0M_____
     _____

   Batch job stepped library
     STEPLIB 1 . . CICSCM.V1R2.SCCVAENU_____
             2 . . CICSCM.V1R2.SCCVAUTH_____

   Command ===> _____
    F1=Help       F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
    F8=Forward  F10=Actions  F12=Cancel
```

4

- ☐ PF3 back to CM Primary Menu
- ☐ Select option **1** Administration
- ☐ Select option **1** System Options
- ☐ Remove **/** next to Automatic change package numbering

```
 File   Settings   Help
─────────────────────────────────────────────────────────────────────
                             System Options
Options
  Enter "/" to select option
  _    Approvals checking for change packages
  _    Automatic change package numbering
  /    Transformation processing for resource migrations
  /    Exit Point processing in the CICS CM Server

Security Controls
  Enter "/" to select option
  _    Security checking for server API commands
       SAF resource class  . . . FACILITY
       Security key prefix . . . CCM

  Enter "/" to select option
  _    Security checking by CICS resource keys
       SAF resource class  . . . FACILITY
       Security key prefix . . . DUM




Command ===> _
 F1=Help      F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
 F8=Forward  F10=Actions  F12=Cancel
MA     a                                                             30/015
```

- ☐ PF3 back to Administration Menu
- ☐ Select option **2** CICS Configurations
- ☐ Change Filter from * to your **CICSTXX*** and hit enter (filters allow you to reduce the list of objects)

```
 File   Menu   Settings   Help
─────────────────────────────────────────────────────────────────────
Resources                    CICS Configurations          Row 1 to 2 of 2

Filter CICST10*

    /   Name      Description
  ___   CICST10   TEST DRIVE  Example
  ___   CICST10A  TEST DRIVE  Example
****************************** Bottom of data ******************************












Command ===> _____ Scroll ===> PAGE
 F1=Help      F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
 F8=Forward  F10=PrevPage F11=NextPage F12=Cancel
```

Enter **/** next to your CICSTXX or CICSTXXA

 Select option **2** – view

```
   File  Menu  Settings  Help

 View                         CICS Configuration        Row 1 to 1 of 1

 Name  . . . . : CICST10
 Description . . TEST DRIVE  Example

 Specify the type of file or repository
 2   1. CICSPlex SM Context . . _____
     2. CSD File  . . . . . . . CICSTSS.CICST10.DFHCSD
     3. Export-import file  . .

 Choose a view for related options
 1   1. Transform variables
     2. CSD file options
     3. Export-Import file options

 Define transformation variables and values

 / Name               Value
 _
 ****************************** Bottom of data *******************************




 Command ===> _____    Scroll ===> PAGE
  F1=Help      F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
  F8=Forward  F10=Actions  F12=Cancel
 MA   a                                                            30/015
```

 PF3 twice back to Administration Menu

 Select option **3** – Migration Schemes

 Change filter to your **CICSTXX**

 Enter **V** (view) next to your CICSTXX migration scheme

```
   File  Menu  Settings  Help

 View                         Migration Scheme         Row 1 to 1 of 1

 Name  . . . . : CICST10
 Description . . Test Drive

 Approval Processing
 _   Activate

 Choose a view for related options
 1   1. Migration paths
     2. Transform variables

 Define the migration path source and target CICS Configurations

 / Source +   Target +   Transform Rule +
 _ CICST10   CICST10A   TESTDRVE
 ****************************** Bottom of data *******************************





 Command ===> _____    Scroll ===> PAGE
  F1=Help      F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
  F8=Forward  F10=Actions  F12=Cancel
 MA   a                                                            30/015
```

 PF3 twice back to Admin. Menu

 Select option **4** – Approval Profiles

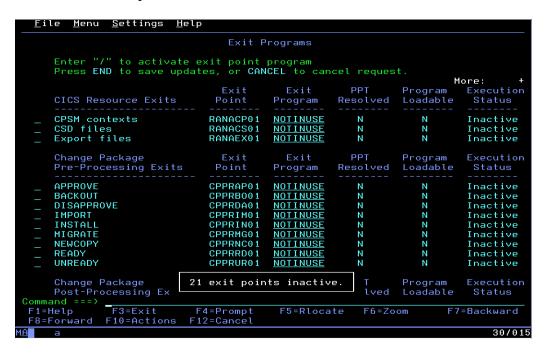☐ Change filter to **TESTPROD***
☐ Enter **V** next to profile TESTPROD

```
 File  Menu  Settings  Help
────────────────────────────────────────────────────────────────────
View                       Approval Profile              Row 1 to 1 of 1

Name  . . . . :  TESTPROD
Description . . _____


Define the approval authorities for the Migration Schemes

   Migration   Approver   Approver   Approver   Approver   Approver
/  Scheme +    1          2          3          4          5
_  CICSMIG1    MANAGER     LEAD       CEO        _____   _____
****************************** Bottom of data ******************************









Command ===> _____  Scroll ===> PAGE
 F1=Help      F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
 F8=Forward  F10=Actions  F12=Cancel
MA    a                                                          30/015
```

☐ PF3 twice back to Admin. Menu
☐ Select option **5** – Transformation Rule
☐ Change filter to **TESTDRVE**
☐ Enter **S** next to rule
☐ Under Define Transformation rules, enter **S** next to * (scheme)

```
 File  Menu  Settings  Help
────────────────────────────────────────────────────────────────────
View                       Transform Rule

Name  . . . . :  TESTDRVE
Description . . Modify DSNname on FCT migration (TEST TO PROD)

Qualification criteria
   Scheme . . . . . *_____   +
   Source Config . . *_____   +
   Target Config . . *_____   +
   Group . . . . . . *_____
   Resource Type . . FILE_____   +
   Resource Name . . *_____
   Check Field . . . _____   +
   Check Operator    __  +
   Check Value . . . _____   +

Choose a Processing Option
1  1. Transform and continue
   2. Transform and lock field
   3. Transform and lock record
   4. Stop migration of this resource

Transform Field and Values
   Change Field  . . DSNAME_____   +
   Change From . . . *.TEST.*_____   +
   Change To . . . . *.PROD.*_____   +

Command ===> _____
 F1=Help      F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
 F8=Forward  F10=Actions  F12=Cancel
MA    a                                                          30/015
```

- Note: This transformation rule will be used in our exercise 3 migration of a file definition
- PF3 three times back to Admin. Menu
- Select option **6** – Exit Points

```
 File  Menu  Settings  Help
_____
                         Exit Programs

    Enter "/" to activate exit point program
    Press END to save updates, or CANCEL to cancel request.
                                                      More:      +
                          Exit       Exit       PPT      Program    Execution
    CICS Resource Exits   Point      Program    Resolved Loadable   Status
    -------------------   --------   --------   -------- --------   --------
  _ CPSM contexts         RANACP01   NOTINUSE      N        N       Inactive
  _ CSD files             RANACS01   NOTINUSE      N        N       Inactive
  _ Export files          RANAEX01   NOTINUSE      N        N       Inactive

    Change Package        Exit       Exit       PPT      Program    Execution
    Pre-Processing Exits  Point      Program    Resolved Loadable   Status
    -------------------   --------   --------   -------- --------   --------
  _ APPROVE               CPPRAP01   NOTINUSE      N        N       Inactive
  _ BACKOUT               CPPRBO01   NOTINUSE      N        N       Inactive
  _ DISAPPROVE            CPPRDA01   NOTINUSE      N        N       Inactive
  _ IMPORT                CPPRIM01   NOTINUSE      N        N       Inactive
  _ INSTALL               CPPRIN01   NOTINUSE      N        N       Inactive
  _ MIGRATE               CPPRMG01   NOTINUSE      N        N       Inactive
  _ NEWCOPY               CPPRNC01   NOTINUSE      N        N       Inactive
  _ READY                 CPPRRD01   NOTINUSE      N        N       Inactive
  _ UNREADY               CPPRUR01   NOTINUSE      N        N       Inactive

    Change Package        21 exit points inactive.    T      Program    Execution
    Post-Processing Ex                                lved   Loadable   Status
 Command ===>_
  F1=Help     F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom       F7=Backward
  F8=Forward  F10=Actions  F12=Cancel
 MA   a                                                          30/015
```

- PF3 twice back to Primary Menu for CM

Exercise 2 (self-paced) Edit resource/History/Compare Resources

In this exercise you will see how to find resources within a CSD (or Data Repository) by changing filters. Once a resource is identified, you can change the resource and also view a history of change for that resource. You will change a file and 3 programs for preparation to migrate (exercise 3). You will also be able to see a history of the change including date and time and userid of who made the change as well as be able to compare now the current definition to the old one to understand what actually changed.

- ☐ Select Option **2** – CICS Resources
- ☐ Change filter to CICSTXX*
- ☐ Enter **S** next to CICSTXX name
- ☐ Change 2nd filter (over type) to **File** and 3rd filter (over Group) to **Workshop** and hit enter

```
   File   Menu   Settings   Checksum   Search   Show   Help

Resources                        CICST10 CICS Resources              Row 1 to 1 of 1

Filter *            FILE            + WORKSHOP                        *

/       Name      Type              Group     Prompt                  --- Changed ----
        TDRIVE    FILE              WORKSHOP                          2008/04/25 16:53
****************************** Bottom of data ******************************








Command ===>                                                    Scroll ===> PAGE
 F1=Help         F3=Exit       F4=Prompt     F5=Rlocate    F6=Zoom        F7=Backward
 F8=Forward   F10=PrevPage  F11=NextPage  F12=Cancel
MA    a                                                                      05/018
```

- ☐ Enter **S** next to file Tdrive and hit enter
- ☐ Within Tdrive file definition tab to RLSaccess attribute and change NO to **YES** and hit PF3 (we have now edited this resource and saved that change with PF3)
- ☐ Change 2nd filter to **Program** and hit enter

```
 File  Menu  Settings  Checksum  Search  Show  Help
───────────────────────────────────────────────────────────────────────
Resources                    CICST10 CICS Resources          Row 1 to 5 of 5

Filter *          PROGRAM        + WORKSHOP                   *

/       Name     Type           Group     Prompt        --- Changed ----
_____  EHDRIVER PROGRAM        WORKSHOP                2008/04/25  16:53
_____  EHSTARTP PROGRAM        WORKSHOP                2008/04/25  16:53
_____  EWHWORKP PROGRAM        WORKSHOP                2008/04/25  16:53
_____  EWHWORKR PROGRAM        WORKSHOP                2008/04/25  16:53
_____  WORKP    PROGRAM        WORKSHOP                2008/04/25  16:53
****************************** Bottom of data ******************************












Command ===>                                           Scroll ===> PAGE
 F1=Help       F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom    F7=Backward
 F8=Forward  F10=PrevPage F11=NextPage F12=Cancel
MA     a                                                        05/018
```

☐ Select each program in list by entering **S** next to each and hit enter
☐ Within EHDRIVER program definition tab to Concurrency and hit PF4
☐ Enter **S** next to Threadsafe and hit enter then PF3
☐ Within EHSTARTP program definition tab to Concurrency and type a **T** over the Q (of Quasirent) and hit enter (notice it changed to Threadsafe) then hit PF3
☐ Within EWHWORKP program definition on command line enter L Concurrency and hit enter
☐ Type a **T** over the Q and hit enter then hit PF3
☐ Within EHWORKR program definition tab to Concurrency and type a **T** over the Q and hit enter (notice it changed to Threadsafe) then hit PF3
☐ Within WORKP program definition tab to Concurrency and type a **T** over the Q and hit enter (notice it changed to Threadsafe) then hit PF3

☐ Next to program EHDRIVER enter an **H** (history) and hit enter (notice time and date stamp with who made change is listed as current)


```
  File  Menu  Settings  Help

Resources                    CICST10 CICS Resource History        Row 1 to 2 of 2

/       Name      Type         Group           ----- Changed ----- ID
_____  EHDRIVER  PROGRAM      WORKSHOP *Current 2008/04/28 16:01:23 CICST10
_____  EHDRIVER  PROGRAM      WORKSHOP          2008/04/25 16:53:36 Unknown
***************************** Bottom of data *****************************








Command ===>                                          Scroll ===> PAGE
 F1=Help       F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
 F8=Forward  F10=Actions  F12=Cancel
MA     a                                                           30/015
```

☐ Enter cm on both lines next to each EWDRIVER entry definition and hit enter
☐ Tab to the Hilite tab at top of screen and hit enter
☐ Select option **4** (Red) and hit enter (notice changes are hilited in red from current (left hand entry) to previous definition (right hand entry))
☐ PF3 four times back to CM Primary Menu

Exercise 3 (self-paced) Package resources for migration

In this exercise you will prepare our edited definitions for migration by creating a package containing all of our changed resources. Once created, you will ready the change, select where you will migrate the changes and finally migrate the change. The migration of your file definition will execute a transformation rule which changes the dataset name on migration due to naming standards on our target system. You will then switch to our target CSD and view our new resources. Finally you will compare our file definition that was migrated from our original system with our target system to verify that the definition executed our migration scheme changing our dataset name. In this exercise we are only migrating (moving) the changes to the target CSD. We are not installing the changes.
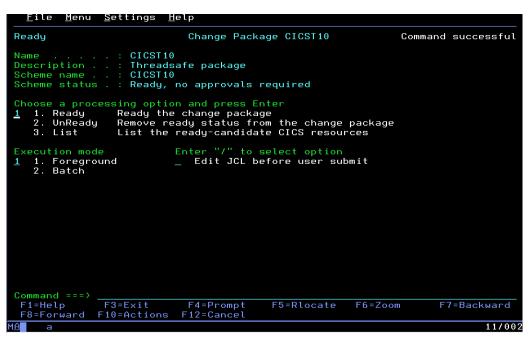
- ☐ Select Option **3** – Package
- ☐ On command line type - def (define)
- ☐ Enter **CICSTXX** and hit enter
- ☐ Next to description type – Threadsafe package1
- ☐ Tab to command line and enter save and hit enter
- ☐ PF3 and change filter to **CICSTXX**
- ☐ Enter **S** next to your package (CICSTXX – if you don't see it, you forgot to save the package and will have to start at the top of this exercise again)
- ☐ Enter **1** where cursor resides (package) and hit enter
- ☐ Change filters 1-3 to *****, change filter 4 to **CICSTXX** and filter 5 to TODAY and hit enter (Note – This is a quick way to identify resources that were changed today by you in CSD CICSTXX)
- ☐ Enter **P** next to all resources listed (this will package all of the resources in this group in preparation for migration to a target CSD) (see next page for screen shot)

```
   File  Menu  Settings  Help

 Package                       Change Package CICST04           Row 1 to 6 of 6

 Filter *_____   *_____  +  *_____       CICST04  TODAY_____

 /       Name     Type          Group      Prompt      Config   --- Changed ----
 p_____  EHDRIVER PROGRAM        WORKSHOP               CICST04  2008/04/30 12:12
 p_____  EHSTARTP PROGRAM        WORKSHOP               CICST04  2008/04/30 12:13
 p_____  EWHWORKP PROGRAM        WORKSHOP               CICST04  2008/04/30 12:14
 p_____  EWHWORKR PROGRAM        WORKSHOP               CICST04  2008/04/30 12:14
 p_____  TDRIVE   FILE           WORKSHOP               CICST04  2008/04/30 12:10
 p_____  WORKP    PROGRAM        WORKSHOP               CICST04  2008/04/30 12:14
 ***************************** Bottom of data *******************************




 Command ===>  _____  Scroll ===> PAGE
   F1=Help       F3=Exit       F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
   F8=Forward  F10=Actions  F12=Cancel
 MA    a                                                              13/003
```

- Hit enter and each should show packaged below prompt field
- PF3 and select option 2, hit enter and view list and status of resources (Not ready is a status where the change cannot go forward. We will ready the resources next)
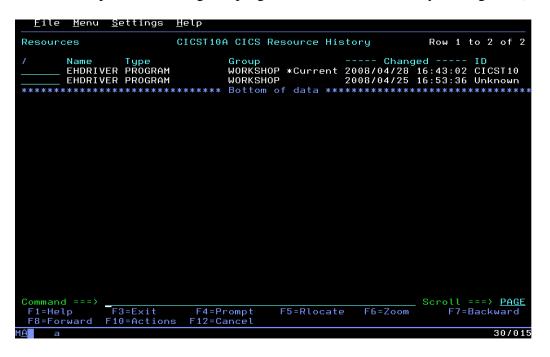
```
   File  Menu  Settings  Help

 List - All resources          Change Package CICST10           Row 1 to 6 of 6

 To prepare Scheme views, enter a Scheme on the previous panel

                         Change Package resources
                   _____

 Filter *_____   *_____  +  *_____                         *_____

 /       Name     Type          Group      Status                      Config
 _____  EHDRIVER PROGRAM        WORKSHOP Not ready, new object         CICST10
 _____  EHSTARTP PROGRAM        WORKSHOP Not ready, new object         CICST10
 _____  EWHWORKP PROGRAM        WORKSHOP Not ready, new object         CICST10
 _____  EWHWORKR PROGRAM        WORKSHOP Not ready, new object         CICST10
 _____  TDRIVE   FILE           WORKSHOP Not ready, new object         CICST10
 _____  WORKP    PROGRAM        WORKSHOP Not ready, new object         CICST10
 ***************************** Bottom of data *******************************




 Command ===>  _____  Scroll ===> PAGE
   F1=Help       F3=Exit       F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
   F8=Forward  F10=PrevPage F11=NextPage F12=Cancel
 MA    a                                                              30/015
```

- PF3 and move your cursor up under chose a processing command and select option 3 ready your package for migration. As your cursor moves to migration scheme hit pf4
- On command line type **L CICSTXX** and hit enter
- Enter **S** next to CICSTXX (migration scheme) and hit enter (The migration scheme defines a from and to CSD for the migration. In this case we are moving our resources from csd CICSTXX to csd CICSTXXA)
- Hit enter again and Select option **1** to ready and option **1** under execution mode for foreground
- Hit enter (notice command successful on upper right hand side and scheme status shows ready (these changes can now be migrated but if someone were to change one of the resources you identified in your package, that resource would return to not ready since it maybe have been compromised)

```
 File  Menu  Settings  Help

Ready                     Change Package CICST10           Command successful

Name  . . . . . : CICST10
Description . . : Threadsafe package
Scheme name . . : CICST10
Scheme status . : Ready, no approvals required

Choose a processing option and press Enter
1  1. Ready       Ready the change package
   2. UnReady     Remove ready status from the change package
   3. List        List the ready-candidate CICS resources

Execution mode              Enter "/" to select option
1  1. Foreground          _  Edit JCL before user submit
   2. Batch









Command ===>
 F1=Help      F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
 F8=Forward   F10=Actions  F12=Cancel
MA    a                                                             11/002
```

- Hit PF3 Twice
- Select option **2** and hit enter and view state of resources (all should show ready), PF3 to return
- Select option **5** – migrate and hit enter
- Select option **1** to migrate and option **1** to migrate in foreground
- Hit enter and see command successful (We have migrated and moved our program and file changes from CSD CICSTXX to CICSTXXA)
- PF3 three times back to CM primary menu
- Select option **2** – CICS resources
- Filter should be CICSXX* (if not change it and hit enter), enter **S** next to CICSTXXA (target CSD) and hit enter

- Change 3rd filter (above group) to **workshop** (all other filters should contain *) and hit enter
- Enter **h** (history) next to program EHDRIVER in the target CSD and hit enter
- View date, timestamp and userid of current entry (This change represents moving this program from a source csd to your target csd)

```
  File   Menu   Settings   Help

Resources                    CICST10A CICS Resource History          Row 1 to 2 of 2

/       Name      Type          Group           ----- Changed ----- ID
_____  EHDRIVER  PROGRAM       WORKSHOP *Current 2008/04/28 16:43:02 CICST10
_____  EHDRIVER  PROGRAM       WORKSHOP          2008/04/25 16:53:36 Unknown
****************************** Bottom of data ******************************










Command ===> _____       Scroll ===> PAGE
 F1=Help        F3=Exit        F4=Prompt     F5=Rlocate   F6=Zoom     F7=Backward
 F8=Forward  F10=Actions  F12=Cancel
MA       a                                                               30/015
```

- PF3 and change filter 4 to **today** and hit enter
- Notice that this displays all resources changed in this group (target CSD) for today
- Enter **S** next to program EHDRIVER and confirm Concurrency = Threadsafe on the definition
- PF3 3 times back to CM Primary Menu
- Select Option **4** (Reports) and hit enter
- Select Option **1** (multiple configurations) and hit enter (we will be looking at both your source and target csd)
- Change filter to **CICSTXX*** and hit enter
- Enter **S** next to both configurations (CICSTXX and CICSTXXA) and hit enter
- Change 2nd filter to **file** and 3rd filter to **Workshop** and hit enter
- Enter **cm** next to each file entry (notice config name on right shows both original and target configuration (CSD) and hit enter

```
  File  Menu  Settings  Checksum  Search  Show  Help
─────────────────────────────────────────────────────────────────
Resources              Multiple Configuration Resources    Row 1 to 2 of 2

Filter *_____   FILE_____  + WORKSHOP

/        Name     Type           Group     Prompt              Config
CM_____  TDRIVE   FILE           WORKSHOP                      CICST10
CM_____  TDRIVE   FILE           WORKSHOP                      CICST10A
***************************** Bottom of data *****************************

Command ===> _____    Scroll ===> PAGE
 F1=Help       F3=Exit      F4=Prompt    F5=Rlocate    F6=Zoom      F7=Backward
 F8=Forward  F10=PrevPage F11=NextPage F12=Cancel
MA    a                                                             09/004
```

☐ Notice – Dataset name has been transformed from executing a
transformation rule (viewed earlier) on migration which changes our
file name middle node and RLSaccess is now YES for both entries

```
  File  Menu  Settings  Hilite  Help
─────────────────────────────────────────────────────────────────
Compare                            File

    File  . . . . : TDRIVE                  TDRIVE
    ResGroup  . . : WORKSHOP                WORKSHOP
==> Location  . . : CICSTSS.CICST10.DFHCSD  CICSTSS.CICST10.DFHCSD1
==> Change Date . : 2008/04/28 15:56:37     2008/04/28 16:43:02
    Description . :
                                                        More:      +
    VSAM Parameters
==> DSname  . . . : CICS.TEST.FILE          CICS.PROD.FILE
    Password  . . :
    RLSaccess . . : YES                     YES
    LSRpoolID . . : 1                       1
    ReadInteg . . : UNCOMMITTED             UNCOMMITTED
    DSNsharing  . : ALLREQS                 ALLREQS
    Strings . . . : 3                       3
    NSRgroup  . . :

    Remote Attributes
    RemoteSystem  :
    RemoteName  . :

    Remote and CFdataTable Parameters
    RecordSize  . : 80                      80
    KeyLength . . : 6                       6

    Initial Status
Command ===> _
 F1=Help      F3=Exit      F4=Prompt    F5=Rlocate    F6=Zoom      F7=Backward
 F8=Forward  F10=Actions  F12=Cancel
MA    a                                                             30/015
```

☐ PF3 4 times back to CM Primary Menu

Exercise 4 (self-paced) Search command

In this exercise you will search within a configuration (CSD or Data Repository) which programs are shown to be defined as threadsafe.

- ☐ From CM Primary Menu – select option **2** – CICS resources, hit enter
- ☐ Change filter to **CICSTXXA** and hit enter
- ☐ Enter **S** next to CICSTXXA and hit enter
- ☐ Change 2nd filter to **program** and change all other filters to *, tab to the command line and type **Search** and hit enter
- ☐ Select option **1** – new search and put a **/** in the field next to search criteria set 1 (notice you can have multiple attributes if you want which are logical ands as well as multiple search criteria sets which are logical or's anded together

```
  File   Menu   Settings   Hilite   Help

                    Program Search Criteria
Enter Search options. Press End to continue, or Cancel to cancel the request.

Choose the search method
1  1. New search        (Search all CICS resources)
   2. Search within results  (Not available when filters change)

Enter "/" to select one or more sets of Search Criteria (Boolean OR)

_   Search Criteria Set 1   Attribute +    Op +       Value +
     Condition 1 . . . . _____  __  _____
           AND 2 . . . . _____  __  _____
           AND 3 . . . . _____  __  _____
           AND 4 . . . . _____  __  _____

_   Search Criteria Set 2   Attribute +    Op +       Value +
     Condition 1 . . . . _____  __  _____
           AND 2 . . . . _____  __  _____
           AND 3 . . . . _____  __  _____
           AND 4 . . . . _____  __  _____

_   Search Criteria Set 3   Attribute +    Op +       Value +
     Condition 1 . . . . _____  __  _____
           AND 2 . . . . _____  __  _____
           AND 3 . . . . _____  __  _____
           AND 4 . . . . _____  __  _____
Command ===> _
 F1=Help      F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
 F8=Forward  F10=Actions  F12=Cancel
MA    a                                                          30/015
```

- ☐ With cursor on top attribute line, hit pf4 and type **s** next to concurrency and hit enter
- ☐ Tab to OP and hit pf4 again, type **s** next to EQ and hit enter
- ☐ Tab to value and hit pf4, type **s** next to threadsafe (see next page)
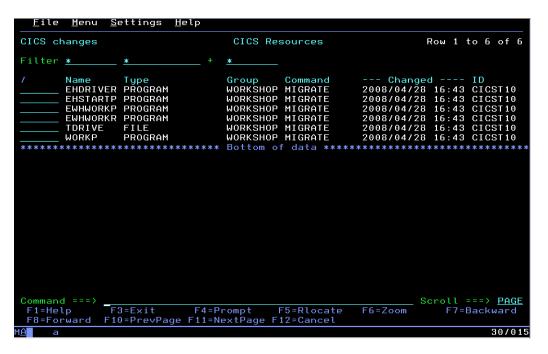
```
  File  Menu  Settings  Hilite  Help
_____
                      Program Search Criteria
Enter Search options. Press End to continue, or Cancel to cancel the request.

Choose the search method
1  1. New search          (Search all CICS resources)
   2. Search within results  (Not available when filters change)

Enter "/" to select one or more sets of Search Criteria (Boolean OR)

/  Search Criteria Set 1   Attribute +   Op +      Value +
     Condition 1 . . . . CONCURRENCY      EQ  THREADSAFE_____
         AND 2 . . . .  _____     __  _____
         AND 3 . . . .  _____     __  _____
         AND 4 . . . .  _____     __  _____

_  Search Criteria Set 2   Attribute +   Op +      Value +
     Condition 1 . . . .  _____   __  _____
         AND 2 . . . .  _____     __  _____
         AND 3 . . . .  _____     __  _____
         AND 4 . . . .  _____     __  _____

_  Search Criteria Set 3   Attribute +   Op +      Value +
     Condition 1 . . . .  _____   __  _____
         AND 2 . . . .  _____     __  _____
         AND 3 . . . .  _____     __  _____
         AND 4 . . . .  _____     __  _____
Command ===>_____
 F1=Help      F3=Exit     F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
 F8=Forward  F10=Actions  F12=Cancel
MA     a                                                  14/048
```

- PF3 to start search and view results
- Change 3rd filter to **Workshop** and hit enter (Notice your 5 programs are listed which were changed to threadsafe in the target csd)
- PF3 twice back to CM primary menu

Exercise 5 (optional) Create report documenting changes within a CSD

In this exercise you will look at all the changes within a CSD over a period of time.

- Select option **4** from primary menu – reports and hit enter
- Select option **3** CICS changes and hit enter
- Under time criteria, change from date/time to **2008/01/01** and time to **00:00**
- Change to date/time to **today's date** and time to **23:59**

▫ Tab to configuration and enter **CICSTXXA** (reminder - the screenshot below has a 4/28 date so it must be changed to today's date)

```
  File  Menu  Settings  Help
_____
                          CICS Changes Selection
Specify report search criteria and press Enter to process

Time criteria
   From date/time  . . .  2003/01/01 00:00   Format YYYY/MM/DD HH:MM
   To date/time  . . . .  2008/04/28 23:59   Format YYYY/MM/DD HH:MM

CICS system criteria
   CICS Configuration     CICST10A  +
   Context . . . . . . .  _____   +
   CSD file . . . . . .  _____     +

General criteria
   API command . . . . .  _____    +
   Change Package  . . .  _____    +
   Scheme  . . . . . . .  _____    +
   User ID . . . . . . .  _____




Command ===> _____
  F1=Help      F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
  F8=Forward  F10=Actions  F12=Cancel
MA    a                                                          12/026
```

▫ Hit enter three times (confirm action warning due to * filters and possible large amounts of data)

```
  File  Menu  Settings  Help
_____
CICS changes                      CICS Resources            Row 1 to 6 of 6

Filter *_____  *_____   +  *_____

/       Name     Type       Group     Command    --- Changed ---- ID
_____ EHDRIVER PROGRAM     WORKSHOP  MIGRATE    2008/04/28 16:43 CICST10
_____ EHSTARTP PROGRAM     WORKSHOP  MIGRATE    2008/04/28 16:43 CICST10
_____ EWHWORKP PROGRAM     WORKSHOP  MIGRATE    2008/04/28 16:43 CICST10
_____ EWHWORKR PROGRAM     WORKSHOP  MIGRATE    2008/04/28 16:43 CICST10
_____ TDRIVE   FILE        WORKSHOP  MIGRATE    2008/04/28 16:43 CICST10
_____ WORKP    PROGRAM     WORKSHOP  MIGRATE    2008/04/28 16:43 CICST10
****************************** Bottom of data ******************************









Command ===> _____  Scroll ===> PAGE
  F1=Help      F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
  F8=Forward  F10=PrevPage F11=NextPage F12=Cancel
MA    a                                                          30/015
```
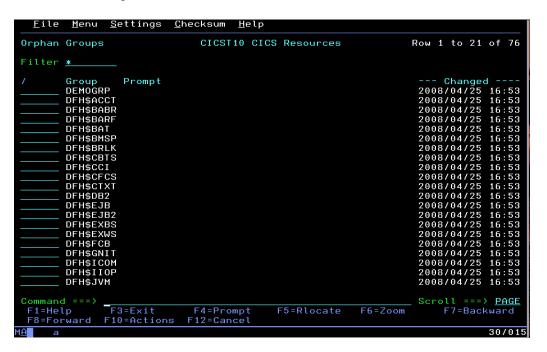
▫ Notice – this shows resource, group, the command executed as well as date and time stamps and the userid of who made the change within our timeframes specified
▫ PF3 twice back to reporting menu

Exercise 6 (optional) Find Orphan groups/resources

In this exercise you will find groups which are in a CSD that are not part of a list. Once identified, these are candidates to be removed and can help cleanse your CSDs of obsolete data.

- ☐ If you are on the main menu enter option **4** and hit enter, if not proceed to next step
- ☐ Enter option **4**, Orphan Groups and hit enter
- ☐ Enter **L CICSTXX** on command line and hit enter
- ☐ Enter **S** next to CICSTXX and hit enter
- ☐ Change filter to * and hit enter

```
  File   Menu   Settings   Checksum   Help

Orphan Groups                  CICST10 CICS Resources        Row 1 to 21 of 76

Filter *_____

/          Group     Prompt                                  --- Changed ----
_____    DEMOGRP                                           2008/04/25  16:53
_____    DFH$ACCT                                          2008/04/25  16:53
_____    DFH$BABR                                          2008/04/25  16:53
_____    DFH$BARF                                          2008/04/25  16:53
_____    DFH$BAT                                           2008/04/25  16:53
_____    DFH$BMSP                                          2008/04/25  16:53
_____    DFH$BRLK                                          2008/04/25  16:53
_____    DFH$CBTS                                          2008/04/25  16:53
_____    DFH$CCI                                           2008/04/25  16:53
_____    DFH$CFCS                                          2008/04/25  16:53
_____    DFH$CTXT                                          2008/04/25  16:53
_____    DFH$DB2                                           2008/04/25  16:53
_____    DFH$EJB                                           2008/04/25  16:53
_____    DFH$EJB2                                          2008/04/25  16:53
_____    DFH$EXBS                                          2008/04/25  16:53
_____    DFH$EXWS                                          2008/04/25  16:53
_____    DFH$FCB                                           2008/04/25  16:53
_____    DFH$GNIT                                          2008/04/25  16:53
_____    DFH$ICOM                                          2008/04/25  16:53
_____    DFH$IIOP                                          2008/04/25  16:53
_____    DFH$JVM                                           2008/04/25  16:53

Command ===> _____      Scroll ===> PAGE
 F1=Help       F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
 F8=Forward   F10=Actions  F12=Cancel
MA     a                                                             30/015
```

- ☐ Note – These are all groups that do not belong to a list within this CSD
- ☐ PF3 three times back to CM Primary Menu

Exercise 7 (optional) Create simple Transformation rule

Transformation rules allow you to build intelligence into a change process or migration which can transform resource attributes as the resource is migrated to fit the target CSDs standards. This exercise will take you step by step through the process of creating a rule.

- ☐ Select **1** – Administration and hit enter
- ☐ Select **5** – Transformation rules and hit enter
- ☐ Type in **Def** on the command line (define) and hit enter
- ☐ Type in **CICSTXX** on the name field and hit enter (this will be the name of our transformation rule). Leave Model blank.
- ☐ Type in '**Transform DB2 Plan Name**' in description and hit enter
- ☐ Tab down and type in **I** (under slash for insert) and hit enter

```
   File   Menu   Settings   Help

View                       Transform Rule Set            Row 1 to 1 of 1

Name  . . . . : CICST32
Description . . Transform DB2 plan name


Define transformation rules

             Source      Target                  Resource      Resource
/ Scheme     Config      Config     Group        Type          Name
i
****************************** Bottom of data ******************************
```

- ☐ Tab down to Scheme and enter the following data next to each field:

- ☐ Scheme = **CICSTXX**
- ☐ Source Configuration = **CICSTXX**
- ☐ Target Configuration = **CICSTXXA**
- ☐ Group = *****
- ☐ Resource Type = **DB2ENTRY**
- ☐ Resource Name = *****
- ☐ The next 3 fields should be blank (check field, check operator and check value)
- ☐ Note: This transformation rule will apply to your migration scheme for any group with a resource type of DB2ENTRY and any name. You could also create a rule for any migration scheme (*)

- Tab and Select option **1** (Transform and continue) under Choose a Processing Option

```
  File   Menu   Settings   Help
  _____

  View                           Transform Rule

  Name  . . . . :  CICST32
  Description . .  _____

  Qualification criteria
    Scheme  . . . . .  CICST32    +
    Source Config . .  CICST32    +
    Target Config . .  CICST32A   +
    Group . . . . . .  *_____
    Resource Type . .  DB2ENTRY      +
    Resource Name . .  _____
    Check Field . . .  _____    +
    Check Operator     __   +
    Check Value . . .  _____    +

  Choose a Processing Option
  1  1. Transform and continue
     2. Transform and lock field
     3. Transform and lock record
     4. Stop migration of this resource

  Transform Field and Values
    Change Field  . .  _____    +
    Change From . . .  _____    +
    Change To . . . .  _____    +
  Command ===>  _____
   F1=Help      F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom      F7=Backward
   F8=Forward   F10=Actions  F12=Cancel
```

- Tab to Change Field and hit PF4
- Enter **S** next to plan and hit enter
- Next to Change from, type in *****
- Next to Change to, type in **prodplan**

- Note: This rule will change the plan name, regardless of value to PRODPLAN for DB2ENTRYs as they migrate to production from test. You can create other rules to enforce standards as in all programs should run above the line in production, etc.

```
  File   Menu   Settings   Help
 _____
View                            Transform Rule

Name  . . . . : CICST32
Description . .  _____


Qualification criteria
  Scheme  . . . . . CICST32    +
  Source Config . . CICST32    +
  Target Config . . CICST32A   +
  Group . . . . . . *_____
  Resource Type . . DB2ENTRY____   +
  Resource Name . . _____
  Check Field . . . _____    +
  Check Operator    __   +
  Check Value . . . _____    +


Choose a Processing Option
1  1. Transform and continue
   2. Transform and lock field
   3. Transform and lock record
   4. Stop migration of this resource


Transform Field and Values
  Change Field  . . PLAN_____    +
  Change From . . . *_____    +
  Change To . . . . prodplan_____    +
Command ===>  _____
 F1=Help     F3=Exit      F4=Prompt    F5=Rlocate   F6=Zoom     F7=Backward
   F8=Forward  F10=Actions  F12=Cancel
```

- PF3 back to transform rule set page
- Type in save on the command line and hit enter (Note - that your transformation rule has been saved
- PF3 twice back to the main menu and congratulations on completion