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
```

- 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
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```

☐ 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