Chapter

2

Command Functions

# The Default Commands Summary

The following commands are described in detail in the rest of this chapter.

* Add IDs to the database (ADD)
* Backup and Retrieve members (BACKUP and GETBACKUP)
* Command output trapping (CMDO and CMDS)
* Convert ACIDs or resources (CONVERT and CONVERTRESOURCE)
* Delete individual IDs from the database (DELETE )
* Access the utility datasets (B1 B2 B3 B4 B5 and E1 E2 E3 E4 E5)
* Issue a single group command for a cluster of related ACIDs (GROUPC)
* Profile manipulation for ACIDs (INSERT)
* List ACIDs from the database (L or LO or LS)
* Profile modification in full-screen mode (MODIFY)
* Profile replacement on a global scale (REPPROF)
* Issue INTERNAL SPI commands
* Reload all variables (REINIT)
* Create and view the debug log (WRITEDEBUG)
* View, or temporarily update, the most commonly used variables (STATUS)
* Load a new, flatfile command table (COMMANDLOAD)
* Load a new, flatfile screen definition (SCREENLOAD)
* Control the interactive mode (BATCH , ONLINE and SUB)

## ADD

Data needed in OPTION : ADD

Data needed in ACID : The ACID to be created.

Data needed in DATA : None.

Data needed in DATA2 : None.

Function : Adds the specified ACID to the security database. In batch mode this command utilizes the DS5 JCL stream for its output.

For example, to add the ACID test ID you would enter the following, and press Enter:

---MODE:ONLINE - ---- xxxx SECURITY PANEL -----YOURID ------12:55-----

OPTION ===> ADD

ACID ===> TESTID

DATA ===>

DATA2 ===>

Next, the following panel is displayed. Use this panel to fill in the name and department of the ACID to be created, then press Enter:

---------------- TESTID ADD INFO PANEL ------------------------

OPTION ===>

Name ===> George Dept ===> TEDEPT

Standard user attributes will appear below. for ===>

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Enter END , X or PF 3 to return to main menu

Upon hitting Enter the defaults dataset is searched for a member matching the department of the created ID and a command stream is created for the ID, as shown below:

---------------- TESTID ADD INFO PANEL ------------------------

CHANGE DEFAULT COMMAND STREAM IF NEEDED AND HIT ENTER.

OPTION ===>

Name ===> george Dept ===> g1dept

Standard user attributes will appear below. for ===> g1dept

===> NAME('george') DEPT(G1DEPT) TYPE(USER) PROF(MVSTECH)

===> TSS PER( TESTID ) DSN(TSS.JOBCLASS.Y) ACCESS(ALL)

===> TSS PER( TESTID ) TSOACCT(98000)

===> TSS PER( TESTID ) TSOPROC(STEPLIB)

===> TSS PER( TESTID ) TSOPROC(SPFLOGON)

===> TSS add( TESTID ) home('/u/users/testid')

===> TSS add( TESTID ) group(mvsgrp)

===> TSS add( TESTID ) uid(0)

===>

===>

===>

===>

===>

===>

===>

Enter END , X or PF 3 to return to main menu

In online mode hitting Enter at this point causes the ID to be created. In batch mode it updates the DS5 JCL stream with the above command stream.

### Defaults Member for Command Stream

The defaults member that was used to create this command stream looks like this :

DEPT(G1DEPT) TYPE(USER) PROF(MVSTECH)

TSS PER( $$ ) DSN(TSS.JOBCLASS.Y) ACCESS(ALL)

TSS PER( $$ ) TSOACCT(98000)

TSS PER( $$ ) TSOPROC(STEPLIB)

TSS PER( $$ ) TSOPROC(SPFLOGON)

TSS add( $$ ) home('/u/users/$$')

TSS add( $$ ) group(mvsgrp)

TSS add( $$ ) uid(0)

The $$ values above get substituted with the ACID at creation time.

## BACKUP

Data needed in OPTION : BACKUP

Data needed in ACID : The ACID to be backed up.

Data needed in DATA : None.

Data needed in DATA2 : None.

Function : This command lists the ACID to the partitioned dataset named in variable DSBACK.

## BATCH

Data needed in OPTION : BATCH

Data needed in ACID : None.

Data needed in DATA : None. This command does not use this field.

Data needed in DATA2 : None. This command does not use this field.

Function : This command changes the processing mode to batch. In batch mode all commands that are issued that would cause changes to the TOP SECRET security file are deferred, and their equivalent is written to a batch jobstream. This jobstream is contained in the DSN pointed to by the DS5 variable. Note that this jobstream can be submitted sight unseen with the SUB command from the panel, or you may end batch mode with the ONLINE command and edit the JCL with the E5 command. Note that exiting and re-entering batch mode erases the output from your previous batch mode!

## B1/B2/B3/B4/B5

Data needed in OPTION : B1 or B2 or B3 or B4 or B5

Data needed in ACID : None.

Data needed in DATA : None.

Data needed in DATA2 : None.

Function : This command starts a browse session using one of the utility datasets, which are specified in variables DS1 - DS5.

## COMMANDLOAD

Data needed in OPTION : COMMANDLOAD

Data needed in ACID : The PDS member of flatfile that contains the command definition to load.

Data needed in DATA : None. This command does not use this field.

Data needed in DATA2 : None. This command does not use this field.

Function : This command reloads the command definition from the file specified. Be aware this may drastically change how the system functions without changing the appearance of the screen. This command is normally used to test a command definition prior to utilizing it system wide. This command is only in effect for the duration of the current session, and can be undone with another COMMANDLOAD, a REINIT command or exiting and restarting the system.

## CMDO/CMDS

Data needed in OPTION : CMDO or CMDS

Data needed in ACID : The command text to be issued to TSO

Data needed in DATA : None.

Data needed in DATA2 : None.

Function : These commands issue the specified command to TSO and trap the output. CMDS places the output in a temporary dataset which is then immediately browsed. CMDO places the output in the flatfile pointed to by the variable DS1.

Example:

OPTION ===> CMDS

ACID ===> TSS LIST(ACIDS) DEPT(NEWDEPT) DATA(ALL,PW)

DATA ===>

DATA2 ===>

The above command would issue the TSS command and place the output from the command in DS1.

## CONVERT

Data needed in OPTION : CONVERT

Data needed in ACID : The entire ACID or the literal "BYPASS".

Data needed in DATA : None. This command does not use this field.

Data needed in DATA2 : None. This command does not use this field.

Function : This command creates a batch JCL stream that would, if submitted, recreate the ACID in the ACID field. The stream is created in work dataset #2.

**Note:** This output job must be manually submitted it is not subject to the panel "SUB" command. It is assumed that the administrator will change the stream. This command will also accept the parameter "BYPASS" in the ACID field, in which case it will convert the output in the dataset pointed to by variable DS1 ( which should be a list of one or many TOP SECRET IDs) to a command stream to duplicate it. This command DOES support multiple IDs!

So if this were done:

OPTION ===> CMDO

ACID ===> TSS LIST(ACIDS) dept(tecsupdp) data(all,pw)

DATA ===>

DATA2 ===>

Then this was done:

OPTION ===> CONVERT

ACID ===> BYPASS

DATA ===>

DATA2 ===>

A stream would be created to duplicate the entire department which was listed. This command is very handy for moving groups from one system to another, or getting command syntax for a complicated permit or add command.

**Note:** Passwords included in the output stream during a "BYPASS" are converted, even though passwords are NOT converted during default convert processing. To include passwords in the output stream a LO or CMDO command would normally be used.

## CONVERTRESOURCE

Data needed in OPTION : CONVERTRESOURCE

Data needed in ACID : The resource type, must be valid in your RDT.

Data needed in DATA : The resource name or valid mask

Data needed in DATA2 : The literal “AUDIT” or “REMOVE” or blanks

Function : This command produces a JCL stream that would recreate authorities for a resource system wide. Specify REMOVE to have the created stream made up of revoke commands. Specify AUDIT tp include the audit action in the output stream.

For example, to produce JCL to remove the authorities for all SYS1 datasets, the administrator would enter the following:

OPTION ===> convertresource

ACID ===> dsn

DATA ===> sys1.

DATA2 ===> remove

This entry creates the JCL and stores it in one of the work datasets.

## DELETE

Data needed in OPTION : DELETE

Data needed in ACID : The ACID to be deleted.

Data needed in DATA : None.

Data needed in DATA2 : None.

Function : This command takes a backup (exactly like the BACKUP command) of the specified ACID and then deletes it.

## E1/E2/E3/E4/E5

Data needed in OPTION : E1 or E2 or E3 or E4 or E5

Data needed in ACID : None.

Data needed in DATA : None.

Data needed in DATA2 : None.

Function : This command starts an edit session using one of the utility datasets, which are specified in variables DS1 - DS5.

## GETBACKUP

Data needed in OPTION : GETBACKUP

Data needed in ACID : The ACID image to be retrieved.

Data needed in DATA : None.

Data needed in DATA2 : None.

Function : This command retrieves an ACID definition from the partitioned dataset named in variable DSBACK, and stores it in work dataset #1.

Example: To generate JCL to recreate a deleted ACID, you could do this.

OPTION ===> getbackup

ACID ===> oldid

DATA ===>

DATA2 ===>

Then do this:

OPTION ===> convert

ACID ===> BYPASS

DATA ===>

DATA2 ===>

This would produce the JCL to recreate the deleted ACID.

## GROUPC

Data needed in OPTION : GROUPC

Data needed in ACID : The Top Secret department division or profile for which every ID attached or part of it is to have a command generated for it.

Data needed in DATA : The command text as it should be issued with a " $$ " in the location where the ACID name should be substituted.

Data needed in DATA2 : NONE.

Function: This command merely builds a flat file for input to an IKJEFT01 stream or as the target of an EXEC command. In batch mode the command stream is appended to the batch JCL in DS5.

The Option area of the panel for this command should look like this:

OPTION ===> GROUPC

ACID ===> TSOPROF

DATA ===> TSS REM( $$ ) PROFILE(TSOPROF)

DATA2 ===>

This will create a flat file which looks like this:

BROWSE -- SYS3.MSCA.C3 ---------------------------------------- LINE 00000000 COL 001 080

COMMAND ===> SCROLL ===> CSR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* TOP OF DATA\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TSS REM( ABUSAP5 ) PROF(TSOPROF)

TSS REM( ABUSCG6 ) PROF(TSOPROF)

TSS REM( ABUSNJ0 ) PROF(TSOPROF)

TSS REM( ABUSSGP ) PROF(TSOPROF)

TSS REM( ABUSSSS ) PROF(TSOPROF)

TSS REM( ABUS3EP ) PROF(TSOPROF)

TSS REM( BBUS1ZV ) PROF(TSOPROF)

TSS REM( CADSGW5 ) PROF(TSOPROF)

TSS REM( CAPRDXS ) PROF(TSOPROF)

TSS REM( CAPRJWV ) PROF(TSOPROF)

TSS REM( CAPRREH ) PROF(TSOPROF)

TSS REM( CAPRTG0 ) PROF(TSOPROF)

## INSERT

Data needed in OPTION : INSERT

Data needed in ACID : The entire ACID that is to gain or lose a profile.

Data needed in DATA : The name of the profile(s) to be added or removed.

Data needed in DATA2 : The numerical location in the IDs profile list that this profile is to occupy after the insert. This parameter is 0 for a remove.

Function : This changes the profile list of an ACID by adding or removing one or many profiles from the ID. Prior to issuing this command the proper location for the profile must be determined.

The Option area of the panel for this command should look like this:

OPTION ===> INSERT

LOGONID ===> PROFxyz

DATA ===> PROFcomp chssprf PROFcoms

DATA2 ===> 1

**Note:** After this command is issued and the ID was listed, you would see the following:

ACCESSORID = PROFXYZ NAME = TEST,ID

TYPE = USER

FACILITY = BATCH

FACILITY = TSO

FACILITY = CHCICSF

FACILITY = ROSCOE

FACILITY = VTP

DEPT ACID = CHDEPT DEPARTMENT = NOWHERE USA

DIV ACID = REGION7 DIVISION = THIS DIV

ZONE ACID = STZONE ZONE = STRIKE ZONE

CREATED = 07/16/98 LAST MOD = 07/16/98 11:15

EXPIRES = 08/15/99

PROFILES = PROFCOMP CHSSPRF PROFCOMS TSOPROF

TRNSEC02 TRNSEC01

TSS0300I LIST FUNCTION SUCCESSFUL

\*\*\*

To remove profiles from this ID this command could be issued:

OPTION ===> Insert

LOGONID ===> PROFxyz

DATA ===> chssprf PROFcoms

DATA2 ===> 0

**Note:** After this command is issued and the ID was listed, you would see the following:

ACCESSORID = PROFXYZ NAME = TEST,ID

TYPE = USER

FACILITY = BATCH

FACILITY = TSO

FACILITY = CHCICSF

FACILITY = ROSCOE

FACILITY = VTP

DEPT ACID = CHDEPT DEPARTMENT = NOWHERE USA

DIV ACID = REGION7 DIVISION = THIS DIV

ZONE ACID = STZONE ZONE = STRIKE ZONE

CREATED = 07/16/93 LAST MOD = 07/16/93 11:15

EXPIRES = 08/15/93

PROFILES = PROFCOMP TSOPROF TRNSEC02 TRNSEC01

TSS0300I LIST FUNCTION SUCCESSFUL

\*\*\*

## MODIFY

Data needed in OPTION : MODIFY

Data needed in ACID : A profile under you control.

Data needed in DATA : Not used.

Data needed in DATA2 : Not used.

Function : This command displays a panel to facilitate updating a profile in a full screen mode. This command actually creates a batch job to do the updates, there are no immediate interactive updates performed.

The Option area of the panel for this command should look like this:

OPTION ===> MODIFY

ACID ===> MVSTECH

DATA ===>

DATA2 ===>

An example of using the modify command is given below. This examples uses three options to specify a delete of facilities VTP and NDM, and an addition of an entry using IMSJES2. Spool resource as a model.

---MODE:ONLINE ----- TD01 SECURITY PANEL -----G114228 ------13:25---

Option ===>

ACID ===> MVSTECH

Functions are A(Add) M(Modify) D(Delete) S(show details)

Funct Type Resource Access

----------------------------------------------------------------------

FACILITY CICSDIV

FACILITY NCCF

d FACILITY VTP

d FACILITY NDM

FACILITY OMON

FACILITY TCPIP

$$BYPASS NOVOLCHK,NOLCFCHK

ACID SAVEDOE

ACID TECHUSE

ACID UCC7BAT

a JESSPOOL IMSJES2. ALL

JESJOBS CANCEL. ALL

After hitting Enter the following window will appear in response to the add request:

Type ==> JESSPOOL

Access ==> ALL

Resource ==> IMSJES2.

Library ==>

Facility ==> Until ==>

Action ==>

PF 1=STATUS 2=SPLIT ne 3=END 4=RETURN

PF 5=RFIND 6=RCHANGE 7=PREVM 8=NEXTM

Updating the entry will finish the add process.

---MODE:ONLINE ----- IMS TD01 SECURITY PANEL -----G114228 ------13:25---

Type ==> JESSPOOL

Access ==> ALL

Resource ==> IMSJES2.my.Addition

Library ==>

Facility ==> Until ==>

Action ==>

PF 1=STATUS 2=SPLIT ne 3=END 4=RETURN

PF 5=RFIND 6=RCHANGE 7=PREVM 8=NEXTM

The original panel is redisplayed with the POTENTIAL changes.

---MODE:ONLINE ----- IMS TD01 SECURITY PANEL -----G114228 ------13:36

Option ===>

ACID ===> MVSTECH

Functions are A(Add) M(Modify) D(Delete) S(show details)

Funct Type Resource Access

------------------------------------------------------------------------------

FACILITY CICSDIV

FACILITY NCCF

\*DELETE VTP

\*DELETE NDM

FACILITY OMON

FACILITY TCPIP

$$BYPASS NOVOLCHK,NOLCFCHK

ACID SAVEDOE

ACID TECHUSE

ACID UCC7BAT

\*NEWRULE IMSJES2.MY.ADDITION ALL

JESSPOOL IMSJES2. ALL

Hitting PF3 returns you to the main panel with the updates pending in DS3.

---MODE:ONLINE --- xxxx SECURITY PANEL ---YOURID --- 11:00 ---

MODIFY : FUNCTION COMPLETED. OUTPUT IN 'TECH.YOURID.C3'

OPTION ===>

LOGONID ===> MVSTECH

DATA ===>

DATA2 ===>

Reviewing the output with an E3 command shows the following:

EDIT TECH.YOURID.C3 Columns 00001 00

Command ===> Scroll ===> C

000017 //SYSEXEC DD DSN=SYS3.OS390.REXX,DISP=SHR

000018 //SYSUADS DD DSN=SYS1.UADS,DISP=SHR

000019 //ISPPROF DD DSN=TECH.SCA.BATCH.ISPPROF,DISP=SHR

000020 //ISPPLIB DD DSN=SYS1.OS390.PANEL,DISP=SHR

000021 //ISPMLIB DD DSN=SYS1.OS390.MESSAGE,DISP=SHR

000022 //ISPSLIB DD DSN=SYS1.OS390.SKEL,DISP=SHR

000023 //ISPTLIB DD DSN=SYS1.OS390.TABLE,DISP=SHR

000024 //SYSTSPRT DD SYSOUT=\*

000025 //SYSTSIN DD DATA,DLM=@@

000026 TSS REM(MVSTECH) FACILITY(VTP)

000027 TSS REM(MVSTECH) FACILITY(NDM)

000028 TSS PER(MVSTECH) JESSPOOL(IMSJES2.MY.ADDITION) +

000029 ACCESS(ALL)

\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Bottom of Data \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

At this point you can submit this JCL or change it in any way you see fit.

## ONLINE

Data needed in OPTION : ONLINE

Data needed in ACID : None.

Data needed in DATA : None. This command does not use this field.

Data needed in DATA2 : None. This command does not use this field.

Function : This command changes the processing mode to online. This command is used after entering batch mode ( see the BATCH command). The JCL stream that was created in batch in DS5 is closed and can be edited and manually submitted if needed. Note that this JCL stream can be submitted sight unseen with the SUB command when in batch mode. Note that exiting and then re-entering batch mode erases the output from your previous batch mode!

## REINIT

Data needed in OPTION : REINIT

Data needed in ACID : None.

Data needed in DATA : None. This command does not use this field.

Data needed in DATA2 : None. This command does not use this field.

Function : This command reloads all defined variables, overlaying all session customization. It resets the current mode to online, and reloads the screen and command tables.

## SCREENLOAD

Data needed in OPTION : SCREENLOAD

Data needed in ACID : The PDS member or flat file that contains the screen  
 definition to load.

Data needed in DATA : None. This command does not use this field.

Data needed in DATA2 : None. This command does not use this field.

Function : This command reloads the screen definition from the file specified. Be aware this may drastically change how the screen appears, but makes no changes to the underlying command definition used. This command is normally used to test a screen definition prior to utilizing it system wide. This command is only in effect for the duration of the current session, and can be undone with another SCREENLOAD, a REINIT command, or exiting and restarting the system.

## STATUS

Data needed in OPTION : STATUS

Data needed in LOGONID : None. This command does not use this field.

Data needed in DATA : None. This command does not use this field.

Data needed in DATA2 : None. This command does not use this field.

Function : This command displays a menu where you may change some variable values that are set for you automatically by the system. These are ISPF variables that are kept in the profile pool.

The Option area of the panel for this command should look like this:

---MODE:ONLINE --- xxxx SECURITY PANEL ---MYID --- 11:00 ---

OPTION ===> STATUS

LOGONID ===>

DATA ===>

DATA2 ===>

This screen will be displayed. Some of the variables may be updated, however you should be aware of their use before changing them.

---MODE:ONLINE ----- TD01 SECURITY PANEL -----G114228 -----14:21-----

STATUS : VARIABLE ENTRIES DISPLAYED STATUS

OPTION ===> STATUS

DS1 ===> C1 Listed output

DS2 ===> C2 Processed output

DS3 ===> C3 Processed output

DS4 ===> C4 Wide reports DSN

DS5 ===> C5 Batch mode output

DS6 ===> 'SYS3.TSS.BASEPARM(JCSOURC1)' Sample ISPF JCL

Defaults ===> SYS3.TSS.DEFAULTS Default accesses

Panel ===> SPIUTIL (Default entry Panel )

Tver ===> T50 (TSS VERSION routines )

Backup ===> TECH.SCA.IDBACKUP (backup DSN)

Tables ===> TS5#SC10 TS5#CM10 (Command-screen ables)

Srccmd ===> 'SYS3.TSS.BASEPARM(CORECMD)' (Command table name )

Srcscr ===> 'SYS3.TSS.BASEPARM(CORESCR)' (Screen table name )

Authnum ===> 10 (1 to 10 auth level )

Version ===> VERSION= 5.0 509808AKOM3

CPUused ===> 1.01

Be aware that values in italics are NOT updateable.

## SUB

Data needed in OPTION : SUB

Data needed in ACID : None.

Data needed in DATA : None. This command does not use this field.

Data needed in DATA2 : None. This command does not use this field.

Function : This command changes the processing mode to online, and submits the JCL that has been constructed as part of batch mode.. This command is only valid in batch mode.

## WRITEDEBUG

Data needed in OPTION : Writedebug

Data needed in ACID : None.

Data needed in DATA : None. This command does not use this field.

Data needed in DATA2 : None. This command does not use this field.

Function : This dumps the debug log to work dataset #3 and opens a browse session for that dataset. This command would normally be used by technical support to help gain information regarding a problem. This command is non disruptive as far as panel system functionality, but be aware this command will overwrite the contents of DS3.

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