

MVS COMMANDS

MVS System Software Control and most of the hardware installations like processors, I/O Devices and Channel paths involve set of tasks like starting, running and stopping MVS Operating System. Below listed are the syntax and respective functions of frequently used MVS System Commands.

Who Should Use:

Below listed MVS System Commands are for System operators / Console Operators who need reference material to perform:

- Daily operations,
- MVS Control and sometimes change few of the Console's characteristic

1. DISPLAY COMMANDS

D U,,,380,2	Display two devices, starting at address 380
D U,DASD,ONLINE	Display all online DASD volumes
D T	Display time and date
D ASM	To display the usage of Auxiliary storage manager
D SMF	To display the SMF usage
D SMF,S	To display the SMF status
D SMF,O	To display the current SMF options
D U,TAPE,ONLINE,,number of tapes to be displayed	To display the status of the tape volumes
D U,ALLOC,,number of devices to be displayed	To display the status of the allocated resources
D U,DASD,,,number of devices to be displayed	To display the all the DASD volumes
D M	To display the configuration of the system
D M=CHP	To display all the chips connected to the system
D M=DEV	To display all the devices connected
D M=DEV(device name)"	To display a particular device
D M=CHP(chip id)	To display a particular chip
D C	To display console status information
D C,K	To display control command functions
D TS,L	To display the users logged on to the system
D R,L or D R,ALL	To display the system requests
D PFK	To display the commands defined for PFK keys
DD CLEAR,DSN=ALL	To clear a dump data set
DD ADD,DSN=number of SYS1.DUMP data set required	To add a dump data set
DD DEL,DSN=number of SYS1.DUMP data set required	To deleted a dump data set
D IPLINFO	To display the IPL information
D SMS,STORGRP(ALL),LISTVOL	To display the storage groups and volumes

D A,L	To display all the active jobs including time sharing
D A,ALL	To display all the active jobs and other information
D C,N	Display information about inactive console
D DUMP	Display the status of all sys1.dump dataset
D J	Display how many active jobs in the system
D J,L	Display list of all active jobs
D TS,L	Display list of TSO users
D A,L	Display information about all active jobs
D C, K	Display available control commands
D ETR	To display ETR status
D NET,PENDING,ID=id name	To display the ids that are pending activation
D NET SESSIONS,LIST=ALL,MAX=500,E	To display the list of all sessions
D NET STATIONS	To display the stations connected to the system
D NET,TSOUSER,ID=user id	To display the TSO users
D NET,NETSRVR,E	To display the net server
D NET,MAJNODES,MAX=500	To display all the major nodes
D NET,CLSTRS	To display the clusters connected to the system
D NET,APPLS	To display the applications
D NET,ADJSSCPS,ADJLIST=*	To display the adjacent nodes
D NET,ADJCP,ID=adjacent id,E	To display a particular adjacent node
D NET,ADJCLUST,NETID=cluster name	To display the adjacent cluster
F NET,TRACE,TYPE=IO,ID=name	To trace the I/O of the line
D NET,ID=line id,E	To display a status of a line
D NET,ROUTE,DESTSUB=ncp number,TEST=YES	To display the route of the destination
D NET,ROUTE,DESTSUB=remote NCP no,ORIGIN=host	To display the route of the NCP from the host NCP
D A,BBO*	Active jobs starting with "BBO"
D PARMLIB	SYS1.PARMLIB settings used for this IPL
D PROG,LNKLST	Programs defined to Link List
D ASM,PAGE=ALL	Page data sets & utilization of page space
D GRS,C	Global resource serialization – contention
D M=STOR	Number of bytes of storage the system owns
D WLM,IRD	Status of IRD features used
D WLM,SYSTEMS	Systems in Goal Mode
D WLM,APPLENV=*	Which Application Environments are active
D LOGGER,L	Logger Log Streams

D OMVS,A=ALL	zOS UNIX address space processes
D OMVS,F	HFS file systems currently in use or mounted
D OMVS,O	zOS Unix current configuration setting
D OMVS.P	PFS (physical file system) configuration information
D OMVS,WAITERS	What Unix threads are waiting on
D OMVS,SOCKETS	UNIX Sockets
D A,BPXAS	All spawned and forked initiator BPXAS address spaces
D OPDATA	Operator Command Prefixes
D SMF	SMF recording dataset status
D SYMBOLS	System symbolics
D TCPIP,,N,PORT1	TCP/IP ports being listened on
D TCPIP,,N,ROUTES	TCP/IP routes
D TCPIP,,N,HOME	TCP/IP Home
V TCPIP,,O,SYS1.TCPPARMS(PROFILE)	Refresh TCP/IP Profile parms
D PROG,APF	List all authorized programs
D TRACE	All trace settings
D U	Track device allocations
D XCF,CPL	XCF parameters and coupled data sets

2. CANCEL COMMANDS

C jobname	The named job to end, which can be a batch job, started task, or APPC/MVS transaction program.
C U=userid	Cancel the specified user
C DUMP	Take a user dump
C A=asid	The hexadecimal address space identifier of the work unit you want to cancel.
C ARMRESTART	Indicates the batch job or started task should be automatically restarted

3. FORCE COMMANDS

Force jobname	The named job to end, which can be a batch job, started task, or APPC/MVS transaction program.
Force U=userid	Terminate the specified user ID
Force ARM	End the specified user, job, or started task if it is non-cancellable.
Force A=asid	The hexadecimal address space identifier of the work unit to terminate.
Force ARMRESTART	Indicates the batch job or started task should be automatically restarted

4. CONTROL COMMANDS

K E,D	Erase bottom display area an console
K A,NONE	Undefined the display area at bottom of screen
K E,1	Delete line 1 (top of screen, usually)
K E,SEG	Delete contents of message segment
K N, PFK=(5,CMD='S GTF,580'),CON=N	Define a PFK
K S,REF	Display current console mode
K S,DEL=RD	Set "roll delete" mode (most common mode)
K S,REF	Display all specification values
K V,REF	Display all vary definitions
K V,LEVEL=ALL	Display all message Traffic routed to the console
K V,LEVEL=R	Display WTORS at the console
K V,LEVEL=IN	Display informational messages at the console
K Q	To clear Buffer Spool
K Q,L=< CONSOLE ID>	To clear the Buffer Shortage

5. HALT COMMAND

Z EOD	Close the system log, and put it on the print queue.
-------	--

6. SEND COMMAND

SE msgno,DELETE	Delete the specified message from the broadcast data set
SE [msgno,]LIST	List the requested message or all messages
SE 'message' or msgno	The message or number of a message in SYS1.BROADCAST to be sent.
SE 'message', NOW	The message be sent immediately only to all currently logged-on users.
SE 'message', ROUTE = *ALL	Send the message to all users logged onto all systems participating in the sysplex
SE 'message',ROUTE=systemname	Send the message only to users logged onto systemname
SE 'message',ROUTE=groupname	Send the message to all users logged onto the sysplex subset defined by groupname

7. START COMMANDS (START or S)

To start JES2	S JES2
START the APPC/MVS address space with parmlib member APPCPM00	S APPC,SUB=MSTR
START the APPC/MVS address space with parmlib member APPCPM01	S APPC,SUB=MSTR,APPC=01
To starts the SOM subsystem	S SOM

To start an external writer with the identifier A	S XWTR.A,282
Starting the Generalized Trace Facility	START GTF
Starting the Library Lookaside (LLA) Address Space	START LLA
Starting the Object Access Method (OAM)	START OAM
Starting Resource Recovery Services (RRS)	START RRS

8. STOP COMMANDS (STOP or P)

To stop the job SYSDA	STOP SYSDA
To stop writer 00E after it processes the current data set	P XWTR.00E
To stop the GTF session started with an identifier of ABCD	P ABCD
To stop writer ABCD after it processes the current data set	P XWTR./ABCD
To stop the GTF session with an identifier of EXAMPLE	P EXAMPLE
To stop the ASCH initiator address space, whose asid is E	P ASCHINT,A=E
Stopping the Data Lookaside Facility (DLF)	P DLF
Stopping the Library Lookaside (LLA) Address Space	P LLA
To stop the SOM daemon address space	P SOM
Stopping the Virtual Lookaside Facility (VLF)	P VLF

9. VARY COMMANDS (VARY or V)

Controlling Problem Determination Mode for the System Consol	VARY CN,ACTIVATE
Controlling Problem Determination Mode for the System Console	VARY CN,DEACTIVATE
To have the hardcopy message set recorded on the system log	VARY SYSLOG,HARDCPY
To include all operator commands, responses, and status displays in the hardcopy message set	V ,HARDCPY,STCMDS
To have the hardcopy message set recorded on the operations log	VARY OPERLOG,HARDCPY
To take consoles 003 and 001 offline	VARY (003,001),OFFLINE
To turn on the AUTOSWITCH attribute for tape devices 282, 283, and 287	VARY (282,283,287),AS,ON

To make devices 282, 283, and 287 available for system use	VARY (282,283,287),ONLINE
To make device 282 available for system use even if there is no path to the device,	VARY 282,ONLINE,UNCOND
To terminate I/O to device 282	VARY 282,OFFLINE,FORCE
To tell SMS not to allow allocation of new data sets from storage group SG1 onsystem MVS2	VARY SMS,STORGRP(SG1,MVS2),DISABLE,N
To tell SMS to allow allocation of both new and old data sets from storage group	VARY SMS,STORGRP(SG1,ALL),ENABLE
SG1 on all MVS systems	
To tell SMS to allow allocation of both new and old data sets from volume SMS001 on system MVS3	VARY SMS,VOLUME(SMS001,MVS3),ENABLE
To vary port 60 of switch B000 offline on the two systems in a logical partition cluster	VARY SWITCH(b000,60),DCM=OFFLINE
To quiesce application environment db2pay	V WLM,APPLENV=db2pay,Q
To activate a service policy named SHIFT1	V WLM,POLICY=shift1

10. MODIFY COMMANDS (MODIFY or F)

F TSO, USERMAX=40	To increase Maximum no. of Users in the System
F DLF,NN=xx	To cause the data Look aside facility (DLF) to use specified COFDLFxx member of the logical parmlib.
F WLM,MODE=GOAL	To change from compatibility mode to GOAL mode
F ROSCOE,SHUTDOWN NOW	Terminates ROSCOE immediately
F ROSCOE,STATUS	Displays number of ROSCOE users
F DATASVR,APPL=threadlimit=5	To modify the jobname DATASVR

Need more information, [Have Maintec Experts Contact You!](#)

For information on other topics visit our [Knowledge Base!](#)

Connect with Us:

