

IBM Blade Center Management Module CLI reference by example
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Further information

Management Module command-line interface reference guide - IBM BladeCenter
MIGR-54667

Command Targets

The -T switch specifies the target of the command. Here are some common Targets that you will find. Many commands without targets will not execute and will give an error message about the target. The prompt within the CLI will indicate the default target established by the env variable. System is the default level of the CLI and all commands are levels below it. Without a target specified the command will execute against the current target defined by the prompt.

system	The outer chassis and blowers
mm	Management module
blade	Blade server
switch	I/O Switch module such as FC or ESM
mt	Media Tray

Interactive Help

By entering help or ? from the command line the user is presented with the following command list. For most commands issuing the command itself will either execute the command or issue further interactive help messages.

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system> ? or help
? -- Display commands
  accseccfg -- View/edit account security config
  advfailover -- View/edit advanced failover mode
  alertcfg -- Displays/Configures the global remote alert settings
  alertentries -- View/edit remote alert recipients
  baydata -- View/edit Blade Bay Data string
  boot -- Boot target
  bootmode -- Boot mode
  bootseq -- View/edit the blade boot sequence settings
  cin -- Displays/Configures Chassis Internal Network
  cinstatus -- Displays Status of Chassis Internal Network
  clear -- Clear the config
  clearlog -- Clear the event log
  clock -- View/edit date, time, GMT offset, and dst setting
  config -- View/edit general settings
  console -- Start SOL session to a blade
  dhcpinfo -- View DHCP server assigned settings
  displaylog -- Display log entries
  displaysd -- Display service data
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dns -- View/edit DNS config
env -- Set persistent command target
exit -- Log off
files -- Displays and deletes files stored on the AMM
fuelg -- Power management
health -- View system health status
help -- Display command list
history -- Display command history
identify -- Control target location LED
ifconfig -- View/edit network interface config
info -- Display identity and config of target
iocomp -- View I/O compatibility for blades and switches
kvm -- Controls the kvm owner
ldapcfg -- View/edit LDAP config
led -- Display and control Leds
list -- Display installed targets
modactlog -- Displays module activity log
monalerts -- Displays and configures monitored alerts
monalertsleg -- Displays and configures legacy monitored alerts
mt -- Controls the media tray owner
nat -- Display and configure NAT
ntp -- View/edit NTP config
ping -- Pings targeted switch module
pmpolicy -- View/edit power management policy settings
portcfg -- Serial port configuration
ports -- Port configuration
power -- Control target power
read -- Restore configuration from the chassis or a file
remotechassis -- Chassis discovered over the network
reset -- Reset target
sddump -- Initiate service data dump
security -- View/edit security config
service -- Enable debugging by service personnel
shutdown -- Shutdown target
slp -- View/edit SLP parameters
smtp -- View/edit SMTP config
snmp -- View/edit SNMP config
sol -- View SOL status and view/edit SOL config
sshcfg -- View/edit SSH config
sslcfg -- View/edit SSL config
syslog -- View/edit syslog config
tcpcmdmode -- View/edit TCP command mode config
telnetcfg -- View/edit telnet config
temps -- View temperatures
trespass -- View/edit trespassing warning config
uicfg -- View/edit user interface configuration

update -- Update firmware from TFTP server
uplink -- View/edit failover on network uplink loss config
users -- View/edit user login profiles
volts -- View voltages
write -- Save configuration to chassis or a local file
zonecfg -- Zone configuration for I/O modules

Type "<command> -h" for individual command syntax help.

[] is used for indexing (by bay number)

<> denotes a variable

{ } denotes optional arguments

| denotes choice

Common Commands

exit	terminates command line interface
kvm -b #	changes kvm owner #=blade
kvm	displays the current kvm owner
kvm -b 0	sets kvm owner to no one
mt -b #	changes media tray owner #=blade
help	displays list of commands
?	same as help
history	displays the last 8 commands issued
users -T system:mm[#]	displays all user accounts in mm
env -T system	sets system as command target
env -T system:blade[#]	sets blade as command target
env -T system:mm[#]	sets mm as command target

Logs and Info

displaylog -T system:mm[#]	displays SEL stored in ASM 5 lines at a time
displaylog -a -T system:mm[#]	displays all logs in SEL
fuelg -T system	displays power domain usage
fuelg pd1 -T system	displays power domain 1
fuelg pd2 -T system	displays power domain 2
health -T system	displays system health
health -T system:blade[#]	displays blade health
health -T system:mm[#]	displays MM health
diplaysd	displays support information
displaysd -save filename.tgz filesystem)	saves a gzip support archive (saves in MM filesystem)
files	displays file list and space in MM filesystem
files -d filename	deletes file specified by filename
info -T system:mm[#]	displays mm information
info -T system:blade[#]	displays blade information

Power and Restarts

reset -T system:blade[#]	restarts blade
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reset -T system:mm[#]	restarts mm #=#mm
reset -T system:switch[#]	restarts switch #=#switch
power -on -T system:blade[#]	turn on blade
power -off -T system:blade[#]	power off blade
power -cycle -T system:blade[#]	power cycle's blade
shutdown -f -T system:blade[#]	forced shutdown of blade

Boot Sequence

bootseq -T system:blade[#]	displays boot sequence for blade #=#blade
bootseq cd -T system:blade[#]	set boot sequence to cdrom #=#blade
bootseq nw -T system:blade[#]	set boot sequence to network #=#blade
bootseq hd0 -T system:blade[#]	set boot sequence to hdd #=#blade
bootseq cd hd0 -T system:blade[#]	set boot sequence to cd first and then hd0

Identification and LED's

led -T system:blade[#] chassis only)	displays current LED's on blade (AMM and T
led -info -T system	turns off information LED
led -info -T system:blade[#]	turns off information LED for blade
led -l -T system:blade[#]	displays full LED status for blade
identify -s blink -T system:blade[#]	turns on locator light on blade
identify -s blink -T system	turns on locator light on chassis

Serial over LAN

console -T system:blade[#]	starts sol session with system #=#blade
console -o -T system:blade[#]	starts override sol session with system #=#blade
sol -T system:mm[#]	displays SOL status of MM
sol -T system:blade[#]	displays SOL status of blade

Common AIX Hardware Commands

lsattr -El mem0	displays current physical memory
lsdev -Cc disk	displays all disk drives
lscfg -vl hdisk1	displays info on individual disk drives
lspv	displays disks installed on system
df -k	displays file system size information
ps -ef	displays current system processes
errpt -a	displays system error report including power outages
errclear 0	clears the system error log
errclear -N sysplanar0 0	clears only select items specified by the resource
diag	system diagnostics
cfgmgr	command to get system to recognize new hardware
cfgmgr -i /dev/cd0	installs drivers from cd for new hardware
lscfg -vplgrep CL	displays current firmware version
instfix -i l grep -i aix	displays maintenance level for AIX
oslevel -r	displays OS level with maintenance level