



connect *shell* Commands

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connect adapter: Command List

After you have used the Supervisor **connect adapter** command to connect to the command shell for a specific adapter, the following commands are available in that shell. See [connect adapter](#) for information about the **connect adapter** command.



Attention These commands should be used only when troubleshooting virtualized network adapters with Cisco TAC supervision.

Note that when you connect to an adapter command shell, the command-line prompt changes from your default prompt, which is the name you assigned to the appliance, to `adapter n/n/n`, where `n/n/n` is the adapter's chassis/server/ID combination you entered to connect.

To exit adapter mode, type **exit**.

Example

The following example shows how to connect to the adapter command shell, and view available commands:

```
firepower# connect adapter 1/2/1
adapter 1/2/1 # help
Available commands:
  connect      - Connect to remote debug shell
  exit         - Exit from subshell
  help         - List available commands
  history      - Show command history
  show-fwlist  - Show firmware versions on the adapter
  show-identity - Show adapter identity
  show-phyinfo - Show adapter phy info
  show-systemstatus - Show adapter status
adapter 1/2/1 # exit
firepower#
```

Table 1: Commands Available in the Adapter's Primary Command Shell

Command	Additional Information
connect	Connects to the debug shell; provides access to the commands listed in the following table.
exit	Exits from the adapter command shell.
help	Lists the commands available in this shell.
history	Shows a list of commands issued since entering this shell.
show-fwlist	Shows firmware versions on the adapter.

Command	Additional Information
show-identity	Show adapter identity
show-phyinfo	Show adapter phy info
show-systemstatus	Show adapter status

The following commands are available in the debug subshell; accessed by entering the **connect** command in the adapter's primary command shell.



Note When you connect to an adapter shell's debug subshell, the command-line prompt changes from the `adapter n/n/n` prompt, to `adapter n/n/n (top):n`, where `(top):` indicates you are in the top subshell of the adapter command shell, and `n` represents the number of command lines presented thus far in this debug session.

To exit the debug subshell, type **exit**.

Example

The following example shows how to connect to the adapter's debug subshell, and view available commands:

```
adapter 1/2/1 # connect
No entry for terminal type "dumb";
using dumb terminal settings.
adapter 1/2/1 (top):1# help
Available commands:
  attach-fls      - Attach to fls
  attach-mcp      - Attach to mcp
  estat          - Run fc performance monitor
  exit            - Exit from subshell
  help           - List available commands
  history        - Show command history
  phy-read       - Read PHY register
  show-acltab    - Show ACL table
  show-fru       - Show FRU contents
  show-fwddtab   - Show forwarding table
  show-log       - Show system log
  show-macstats  - Show MAC statistics
  show-pcisw     - Show PCIE switch status
adapter 1/2/1 (top):2# exit
adapter 1/2/1 #
```

Table 2: Commands Available in the Adapter Debug Subshell

Command	Additional Information
attach-fls	Attaches to the adapter's fabric login service; provides access to the commands listed in a following table.

Command	Additional Information
attach-mcp	Attaches to the Master Control Program. A large number of debug-information commands are available; use the help command to view a list. Again, these commands are for use only with Cisco TAC guidance.
estat	Launches a Fibre Channel performance monitor.
exit	Exits from this subshell.
help	Lists the commands available in this subshell.
history	Shows a list of commands issued since entering this subshell.
phy-read	Read PHY register
show-acltab	Show ACL table
show-fru	Show FRU contents
show-fwtdtab	Show forwarding table
show-log	Show system log
show-macstats	Show MAC statistics
show-pcisw	Show PCIE switch status

The following commands are available in the Fabric Login Service (FLS) subshell; accessed by entering the **attach-fls** command in the adapter's debug shell.



Note When you connect to the FLS subshell of an adapter's debug subshell, the command-line prompt changes from `adapter n/n/n (top):n`, to `adapter n/n/n (fls):n` where `(fls):n` indicates you are in the FLS subshell of the debug subshell, and `n` represents the number of command lines presented thus far in this FLS session.

To exit the FLS subshell, type **exit**; you are returned to the debug subshell.

Example

The following example shows how to attach to the FLS subshell from the debug subshell, and view available commands:

```
adapter 1/2/1 # connect
No entry for terminal type "dumb";
using dumb terminal settings.
adapter 1/2/1 (top):1# attach-fls
No entry for terminal type "dumb";
using dumb terminal settings.
adapter 1/2/1 (fls):1# help
Available commands:
    d - dumps the contents of the last fw request
```

```

    exit - Exit from subshell
fwactive - retrieve active fcpu exchanges
fwcqs - retrieves fcpu cq information
fwexch - retrieves fcpu exchange data
fwlif - retrieves fcpu lif data
fwvnic - retrieves fcpu vnic data
help - List available commands
history - Show command history
lif - Show lif information
login - Show login information pertaining to vnic
lunlist - Show Nameserver and Report LUN's response information for vnic
lunmap - Show lunmap information pertaining to vnic
vnic - Show vnic information

adapter 1/2/1 (fls):2# exit
adapter 1/2/1 (top):2#

```

Table 3: Commands Available in the FLS Subshell

Command	Additional Information
d	Dumps the contents of the last firmware request.
exit	Exits from the FLS subshell.
fwactive	Retrieves active fcpu exchanges
fwcqs	Retrieves fcpu cq information
fwexch	Retrieves fcpu exchange data
fwlif	Retrieves fcpu lif data
fwvnic	Retrieves fcpu vnic data
help	Lists available commands
history	Shows command history
lif	Shows lif information
login	Shows login information pertaining to vnic
lunlist	Shows Nameserver and Report LUN's response information for vnic
lunmap	Shows lunmap information pertaining to vnic
vnic	Shows vnic information

connect cimc: Command List

After you have used the Supervisor **connect cimc** command to connect to the CIMC firmware debug utility for a specific module, the following commands are available in that shell. See [connect cimc](#) for information about the **connect cimc** command.

This utility provides access to a read-only shell with commands that let you view real-time CIMC debug information. These commands are used mainly for troubleshooting CIMC issues: viewing alarms, system event logs, on-board failures, and power controls.



Note When you connect to the CIMC command shell, the command-line prompt changes from your default prompt, which is the name you assigned to the appliance, to [xxx], where xxx is the last command you entered; see the following example.

To exit the CIMC shell, type **exit**.

Example

The following example shows how to connect to CIMC mode and then list the available commands:

```
firepower# connect cimc 1/1
Trying 127.5.1.1...
Connected to 127.5.1.1.
Escape character is '^]'.

CIMC Debug Firmware Utility Shell [ support ]
[ help ]# help

-----
          Debug Firmware Utility
-----

Command List
-----

alarms
cores
dimmb1
exit
i2cstats
images
mctools
memory
messages
mrcout
network
obfl
post
power
programmables
sensors
sel
fru
tasks
top
update
users
version
```

```
cert
sldp
help
help [COMMAND]
```

Notes:
 "enter Key" will execute last command
 "COMMAND ?" will execute help for that command

```
[ help ]# power
OP:[ status ]
Power-State:          [ on ]
Master-State:         [ Master ]
VDD-Power-Good:       [ active ]
Power-On-Fail:        [ inactive ]
Power-Ctrl-Lock:      [ unlocked ]
Power-System-Status: [ Good ]
Front-Panel Power Button: [ Disabled ]
Front-Panel Reset Button: [ Disabled ]
Source of Last Power Change: [ Software - "mcserver" ]
OP-CCODE:[ Success ]
[ power ]# exit
Connection closed by foreign host.
firepower#
```

Table 4: Commands Available in the CIMC Debug Shell

Command	Additional Information
alarms	Displays the current StatusLED state, and which sensors are in alarm, if any. Alarm Levels: <ul style="list-style-type: none"> 1 - OK (GREEN ON) 2 - Mem Init (GREEN BLINK) 3 - Mild Fault (AMBER ON) 4 - Severe Fault (AMBER BLINK)
cores	Lists the Core Dump Directory.
exit	Exits from the CIMC subshell.
fru	Lists all field-replaceable unit (FRU) device information.
help [COMMAND]	Entering just the command help lists all available commands. Entering help cmd_name , or cmd_name ? , shows help information for the specified command.
i2cstats	Displays I ² C controller register information, driver counters, and multi-primary debug trace data.
images	Displays software image version and status information.
mctools	Displays current MTools state information: socket and share-file cache size information.

Command	Additional Information
memory	Lists memory and load statistics.
messages	messages [dump follow tail] dump - Dump the /var/log/messages file follow - Tail and Follow /var/log/messages file tail - Dump the last 100 messages
mezz1fru	Show the mezz card 1 FRU information
mezz2fru	Show the mezz card 2 FRU information
mrcout	Dump MrcOut*.txt
network	view network status in realtime ; Dump Network information
obfl	Dump the OBFL - on-board fault log dump - Dump OBFL follow - Tail and Follow OBFL tail - Dump the last 100 messages
post	Dump BIOS Post Information
power	view power status in realtime Dump Blade Power Status
programmables	Dump Board Programmable Versions
sensors	view all sensors in realtime sensors [all power temp fault pres led] all - Dump all Sensors (default) power - Dump only Power Sensors temp - Dump only Temperature Sensors fault - Dump only Fault Sensors pres - Dump only Presence Sensors led - Dump only LED Sensors
sel	Show the Blade SEL Information - system event log
sldp	Cisco CIMC Interactive Debug This command performs interactive debug authentication with the aid of the user and Cisco support personnel.
tasks	Dump Running Task Information

Command	Additional Information
top	Run TOP Process Monitoring
update	Current Firmware Update Status
users	Dump IPMI Users
version	Get the Version Information

connect fxos: Command List

After you have used the Supervisor **connect fxos** command to connect to the FXOS CLI shell for the switching fabric, the following commands are available in that shell. See [connect adapter](#) for information about the **connect fxos** command.



Note When you connect to the FXOS command shell, the command-line prompt changes from your default prompt, which is the name you assigned to the appliance, to the default prompt with (fxos) appended; see the following example.

To exit the FXOS shell, type **exit**.

Example

The following example shows how to connect to the FXOS command shell, and view available commands:

```
firepower# connect fxos
firepower(fxos)# ?
  clear          Reset functions
  cli           CLI commands
  debug         Debugging functions
  debug-filter  Enable filtering for debugging functions
  ethanalyzer   Configure cisco packet analyzer
  no            Negate a command or set its defaults
  ntp           NTP configuration
  show         Show running system information
  system       System management commands
  terminal     Set terminal line parameters
  test        Test command
  undebg      Disable Debugging functions (See also debug)
  end         Go to exec mode
  exit        Exit from command interpreter
  pop         Pop mode from stack or restore from name
  push        Push current mode to stack or save it under name
  where       Shows the cli context you are in

firepower(fxos)# exit
firepower#
```

Table 5: Commands Available in the FXOS Shell for the Switching Fabric

Command	Additional Information
clear	Reset functions counters - Clear counters logging - Clear logging information mac - MAC

Command	Additional Information
cli	CLI commands var - Define a variable
debug	Debugging functions; see following table
debug-filter	Enable filtering for debugging functions ip - IP events ipv6 - IPv6 events pktmgr - Pm debug-filter routing - Routing events
ethanalyzer	Configure Cisco packet analyzer local - Start local capture of frames to Sup
no	Negate a command or set its defaults debug - Debugging functions debug-filter - Enable filtering for debugging functions ethanalyzer - Configure cisco packet analyzer terminal - Set terminal line parameters test - Test command
ntp	NTP configuration sync-retry - Retry synchronization with configured servers
show	Show running system information; see following table
system	System management commands hap-reset - Enables resetting of local or remote sup on ha failures heartbeat - Enables heartbeat no - Negate a command or set its defaults
terminal	Set terminal line parameters; see the following table
test	Test command aaa - Aaa authentication eltn - Display eltn information forwarding - Fib information hardware - Test hardware parameters otv

Command	Additional Information
undebug	Disable Debugging functions (See also debug) all - Disable all debugging icmpv6 - ICMPv6 debug commands ip - IP events ipv6 - IPv6 events l2 - Layer2 l3vm - Debug L3VM information pktmgr - Packet manager debug/tunnel information rpm - Route Policy Manager (RPM) sockets - Sockets system - Enable debugging of system components
end	Go to exec mode
exit	Exit from command interpreter
pop	Pop mode from stack or restore from name <i>name</i> – Name (optional)
push	Push current mode to stack or save it under name <i>name</i> – Name (optional)
where	Shows the cli context you are in detail – Shows each entry on separate line (optional)

Table 6: Debug, Show and Terminal Commands Available in the FXOS Command Shell

Command	Additional Information
debug	

Command	Additional Information
	<p>Debugging functions</p> <p>aaa – Enable debugging for aaa</p> <p>aclcomp – Configure aclcomp debug</p> <p>aclog – Configure aclog debug</p> <p>aclmgr – Configure aclmgr debug</p> <p>afm – Configure afm debug</p> <p>assoc – Original ID to Translated ID Association</p> <p>bcm-usd – BCM USD</p> <p>Note For bcm-usd, the CPU usage values are always high even during normal traffic. This is an expected behaviour and will not have any functional impact.</p> <p>bootvar – Enable bootvar debugging</p> <p>callhome – Enable debugging for Callhome</p> <p>cdp – Configure CDP debugging</p> <p>cert-enroll – Configure debugging for cert enroll daemon</p> <p>cfs – Enable debugging for CFS</p> <p>cli – Debug cli</p> <p>clis – Debug cli server</p> <p>clk_mgr – Configure clk_mgr debug</p> <p>copp – Configure copp debug</p> <p>core – Configure core daemon debugging</p> <p>csm – Enable csm debugs</p> <p>device-alias – Configure debugs for Device Alias Distribution Service</p> <p>dstats – Configure delta statistics debugging</p> <p>eltn – Configure eltn debug</p> <p>ethpc – Configure ethpc debug</p> <p>ethpm – Configure ethpm debug</p> <p>evmc – Event manager client debugs</p> <p>fc-mac – Debug fcp information</p> <p>fc2 – Configure FC2 debugging</p> <p>fc2d – Configure fc2d debug</p> <p>fcdomain – Enable fcdomain debugging</p> <p>fcfwd – Enable fcfwd debugging</p> <p>fns – Debug name server</p>

Command	Additional Information
	<p> fcoe_klm – Configure FCOE_KLM debugging fcpc – Configure fcpc debug fcs – Configure Fabric Configuration Server Debugging fdmi – Configure fdmi debugging fex – Debug cli for FEX process fex – Configure fex debug flogi – Configure flogi debug fm – Configure feature manager debugging fspf – Configure FSPF debugging hardware – Debug hardware, kernel loadable module parameters icmpv6 – ICMPv6 debug commands idehsd – Configure Idehsd handler debugging im – Configure im debug ip – IP events ipconf – Configure ipconf debug ipfib – Configure ipfib debug ipqos – Configure IP QoS Manager debug ipv6 – IPv6 events klm – Debug kernel loadable module parameters l2 – Layer2 l3vm – Debug L3VM information lacp – Configure lacp debug ldap – Configure debugging for ldap ledmgr – Configure LED manager debugging license – Enable debugging for Licensing lldp – Configure lldp debug logfile – Direct debug output to logfile logging – Configure logging or syslogd debug m2rib – Configure m2rib debug mcec – Configure MCEC debugging mcm – Configure mcm debug mfdm – Configure mfdm debug monitor – Configure Ethernet SPAN sessions </p>

Command	Additional Information
	msp – Configure msp debug mvsh – MVSH server debugs nf – Configure nf debug nohms – Configure nohms debug npacl – Configure NPACL feature nsmgr – Configure nsmgr debug ntp – Debug NTP module obfl – Configure obfl debugging pfm – Configure pfm debug pfstat – Configure pfstat debug pktmgr – Packet manager debug/tunnel information platform – Configure platform debugging platform – Platform internal information platform – Platform plog – Configure plog debugging pltfm_config – Configure pltfm_config debug plugin – Configure plugin debug port – Configure port debugging port-channel – Configure port-channel debug port-profile – Enable port-profile manager debugs port-resources – Configure prm debug port-security – Port security related command private-vlan – Configure debug flags for private VLAN process-sap – SAP of the process to be debugged provision – Configure provision debug psshelper – Psshelper debug psshelper_gsvc – Psshelper debug ptplc – Configure ptplc debug qd – Show information about qd radius – Configure debugging for radius daemon res_mgr – Configure res_mgr debug rib – Configure rib debugging rlir – Configure RLIR debugging

Command	Additional Information
	<p>rpm – Route Policy Manager (RPM)</p> <p>rscn – Configure RSCN debugging</p> <p>sal – Configure sal debug</p> <p>san-port-channel – Configure san-port-channel debug</p> <p>scsi-target – Configure scsi target daemon debugging</p> <p>security – Configure debugging for security</p> <p>session-mgr – Enable session manager debugs</p> <p>snm – Configure snm debug</p> <p>snmp – Configure snmp-server Debugging</p> <p>sockets – Sockets</p> <p>spm – Configure spm debug</p> <p>statsclient – Stats</p> <p>system – Enable debugging of system components</p> <p>system – Debug system</p> <p>tacacs+ – Configure debugging for TACACS+</p> <p>track – Configure track debug</p> <p>transceiver – FC transceiver debug commands</p> <p>tunnel – Configure tunnel debug</p> <p>udld – Configure udld debug</p> <p>Note Unidirectional link detection (UDLD) is not supported by FXOS; ignore any references to UDLD.</p> <p>ufdm – Configure ufdm debug</p> <p>vim – Configure vim debug</p> <p>vlan – Configure debug flags for vlan manager</p> <p>vmm – Configure vmm debug</p> <p>vms – Configure vms debug</p> <p>vsan – Enable VSAN manager debugging</p> <p>willesden – Configure willesden debugging</p> <p>wwn – Configure WWN Manager Debugging</p> <p>xml – XML agent</p> <p>zone – Zone server debug commands</p> <p>zschk – Configure zschk debug</p>

Command	Additional Information
show	

Command	Additional Information
	Show running system information aaa – Show aaa information access-lists – List access lists accounting – Show accounting configuration banner – Show current motd banner message boot – Show Bootvar Variables callhome – Show callhome information cdp – Show Cisco Discovery Protocol information cfs – CFS Show Command handler class-map – Show class maps cli – Show CLI information clock – Display current Date cluster-state – View cluster state configuration – Show information about configuration sessions copyright – Copyright information debug – Show debug flags device-alias – Show information about Device Alias Distribution Service diagnostic – Diagnostic commands ecmp-groups – Display all ECMP groups environment – System environment information fc2 – Show fc2 tables and statistics fc2d – Show information about fc2d fcalias – Fcalias show commands fcdomain – Show fcdomain information fcdroplateness – Show switch or network latency fcflow – Show fcflow information fcid-allocation – Show information about fcid-allocation list fcns – Show name server tables fcroute – Show FC routes fcs – Show Fabric Configuration Server Information fctimer – Show Fibre Channel timers fdmi – Show fdmi information flogi – Show information about FLOGI

Command	Additional Information
	<p>fp – Fp</p> <p>fspf – Show information about FSPF</p> <p>hardware – Show hardware information</p> <p>hostname – Show the system's hostname</p> <p>hosts – Show information about DNS</p> <p>in-order-guarantee – Show in-order delivery guarantee configuration</p> <p>incompatibility – Show incompatible configurations</p> <p>install – Show the software install impact between two images</p> <p>interface – Show interface status and information</p> <p>inventory – Show physical inventory</p> <p>ip – Display IP information</p> <p>ip – IP information</p> <p>ipmc-groups – Display all IPMC groups</p> <p>ipv6 – Display IPv6 information</p> <p>klm – Show kernel module information</p> <p>l2-class-id – L2 class ID allocation</p> <p>l2-table – Display all L2 entries</p> <p>lACP – Show LACP information</p> <p>ldap-server – Show LDAP configuration information</p> <p>line – Show the line configuration</p> <p>lldp – Show information about lldp</p> <p>loadbalancing – Show unicast loadbalancing of a certain flow or exchange</p> <p>locator-led – Display locator led status on the device</p> <p>logging – Show logging configuration and contents of logfile</p> <p>mac – MAC</p> <p>module – Show module information</p> <p>monitor – Show Ethernet SPAN information</p> <p>mSP – Msp commands</p> <p>nsm – Show Network Segment Manager information</p> <p>ntp – Show NTP information</p> <p>phy-bypass – Hardware Bypass</p> <p>platform – Shows list of events received by Platform Manager</p> <p>policy-map – Show policy maps</p>

Command	Additional Information
	<p>port – Show port information</p> <p>port-channel – Show port-channel information</p> <p>port-profile – Show port-profile</p> <p>port-security – Port security related command</p> <p>queuing – Show interface queuing information</p> <p>radius-server – Show RADIUS configuration information</p> <p>redundancy – Show system redundancy status</p> <p>resource – Show resource configuration for VDC</p> <p>rlir – Show RLIR information</p> <p>rmon – Display RMON statistics</p> <p>role – Show role configuration</p> <p>routing – Display routing information</p> <p>routing-context – Display the current routing context</p> <p>rscn – Show RSCN information</p> <p>running-config – Current running configuration</p> <p>san-port-channel – Show port-channel information</p> <p>scsi-target – Show discovered scsi target information</p> <p>snmp – Show snmp information</p> <p>sprom – SPROM contents</p> <p>ssh – Show SSH information</p> <p>startup-config – Current startup configuration</p> <p>svs – Show svs information</p> <p>switchname – Show the system's hostname</p> <p>system – System-related show commands</p> <p>tacacs-server – Show TACACS+ configuration information</p> <p>tech-support – Gather information for troubleshooting</p> <p>telnet – Show telnet server configuration</p> <p>terminal – Display terminal configuration parameters</p> <p>topology – Show information of connected switches</p> <p>track – Tracking information</p> <p>trunk – Show trunk information</p> <p>udld – UDLD protocol</p>

Command	Additional Information
	<p data-bbox="636 289 683 310">Note</p> <p data-bbox="636 317 1451 373">Unidirectional link detection (UDLD) is not supported by FXOS; ignore any references to UDLD.</p> <p data-bbox="636 415 1040 436">user-account – Show user information</p> <p data-bbox="636 464 1187 485">users – Show the current users logged in the system</p> <p data-bbox="636 512 1024 533">vdc – Show Virtual Device Contexts</p> <p data-bbox="636 560 1024 581">version – Show the software version</p> <p data-bbox="636 609 886 630">vifs – Virtual interfaces</p> <p data-bbox="636 657 878 678">vlan – Vlan commands</p> <p data-bbox="636 705 878 726">vms – Vms commands</p> <p data-bbox="636 753 919 774">vmware – Vmware related</p> <p data-bbox="636 802 967 823">vrf – Display VRF information</p> <p data-bbox="636 850 959 871">vsan – Show vsan information</p> <p data-bbox="636 898 967 919">wwn – Show wwn information</p> <p data-bbox="636 947 829 968">xml – XML agent</p> <p data-bbox="636 995 951 1016">zone – Zone show commands</p> <p data-bbox="636 1043 1008 1064">zoneset – Zoneset show commands</p>

Command	Additional Information
terminal	<p>Set terminal line parameters</p> <p>alias – Show aliases (if no arguments); create 'exec' aliases (not persistent). Persistent aliases are in config mode, see 'cli alias'</p> <p>color – Enable colorization of prompt(green if last command ok, red if error), command line (blue), output (default color)</p> <p>dont-ask – Don't ask 'are you sure' questions, take default answer instead</p> <p>edit-mode – Set command line edition keys (vi or emacs; emacs is default)</p> <p>event-manager – Event manager cli event</p> <p>history – Configure terminal history properties</p> <p>length – Set number of lines on a screen</p> <p>monitor – Copy Syslog output to the current terminal line</p> <p>no – Negate a command or set its defaults</p> <p>output – How output of show commands should be formatted</p> <p>prompt – Configure how the prompt should look like</p> <p>redirection-mode – Set the redirection mode</p> <p>session-timeout – Set session timeout</p> <p>sticky-mode – Search for the command match in current mode only</p> <p>terminal-type – Set the terminal type</p> <p>time – Save the current time under a variable</p> <p>tree-update – Updates the main parse tree</p> <p>verify-only – Verify command and do not execute</p> <p>width – Set width of the display terminal</p>

connect local-mgmt: Command List

After you have used the Supervisor **connect local-mgmt** command to connect to the local management shell, the following commands are available in that shell. See [connect adapter](#) for information about the **connect local-mgmt** command.

In this shell, you can perform operations on the fabric interconnect, including copying files, rebooting the fabric interconnect, running ping and traceroute commands, and perhaps most importantly, generating troubleshooting files.

When you connect to the local-management command shell, the command-line prompt changes from your default prompt, which is the name you assigned to the appliance, to the default prompt with `(local-mgmt)` appended; see the following example.

To exit the local-management mode, type **exit**.

Example

The following example shows how to connect to the local-management command shell, and view available commands:

```
firepower# connect local-mgmt
firepower(local-mgmt)# ?
  cd                Change current directory
  clear             Clear managed objects
  cluster           Cluster mode
  connect           Connect to Another CLI
  copy             Copy a file
  cp               Copy a file
  delete           Delete managed objects
  dir              Show content of dir
  enable           Enable
  end              Go to exec mode
  erase            Erase
  erase-log-config Erase the mgmt logging config file
  exit             Exit from command interpreter
  fips             FIPS compliance
  ls              Show content of dir
  mgmt-port        Management Port
  mkdir            Create a directory
  move             Move a file
  mv              Move a file
  ping            Test network reachability
  ping6           Test IPv6 network reachability
  pwd             Print current directory
  reboot          Reboots Fabric Interconnect
  restore-check   Check if in restore mode
  rm              Remove a file
  rmdir           Remove a directory
  run-script       Run a script
  show            Show system information
  shutdown        Shutdown
  ssh             SSH to another system
  tail-mgmt-log   tail mgmt log file
  telnet          Telnet to another system
  terminal         Terminal
  top             Go to the top mode
  traceroute      Traceroute to destination
```

```

traceroute6      Traceroute to IPv6 destination
verify          Verify Application Image

firepower(local-mgmt)# exit
firepower#

```

Table 7: Commands Available in the Local Management Shell

Command	Additional Information
cd	Change current directory usbdrive: - File URI volatile: - File URI workspace: - File URI clear - Clear managed objects sshkey - Host public SSH key
cluster	Cluster mode force - Force local fabric interconnect to become primary lead - Make subordinate fabric interconnect primary
connect	Connect to Another CLI adapter - Mezzanine Adapter cime - Cisco Integrated Management Controller fxos - Connect to FXOS CLI local-mgmt - Connect to Local Management CLI module - Security Module Console
copy	Copy a file ftp: - Source File URI scp: - Source File URI sftp: - Source File URI tftp: - Source File URI usbdrive: - Source File URI volatile: - Source File URI workspace: - Source File URI Note This command is not supported on http file URIs.

Command	Additional Information
cp	<p>Copy a file</p> <p>ftp: - Source File URI scp: - Source File URI sftp: - Source File URI tftp: - Source File URI usbdrive: - Source File URI volatile: - Source File URI workspace: - Source File URI</p> <p>Note This command is not supported on http file URIs.</p>
delete file	<p>Delete managed objects</p> <p>usbdrive: - Source File URI volatile: - Source File URI workspace: - Source File URI</p>
dir	<p>Show content of dir</p> <p>order (Optional) - Order files by time usbdrive: (Optional) - File URI volatile: (Optional) - File URI workspace: (Optional) - File URI</p>
enable cluster	<p>Enable cluster mode</p> <p>a.b.c.d - Cluster IPv4 address ipv6 - IPv6 Cluster mode</p>
end	<p>Go to exec mode</p>
erase	<p>Erase</p> <p>configuration - System configuration</p>
erase-log-config	<p>Erase the mgmt logging config file</p>
exit	<p>Exit from command interpreter</p>
fips	<p>FIPS compliance</p> <p>fault-test - Execute FIPS fault tests self-test - Execute FIPS self-test on demand</p>

Command	Additional Information
ls	Show content of dir order (Optional) - Order files by time usbdrive: (Optional) - File URI volatile: (Optional) - File URI workspace: (Optional) - File URI
mgmt-port	Management Port no-shut (Optional) - Management port up shut (Optional) - Management port down
mkdir	Create a directory usbdrive: (Optional) - File URI volatile: (Optional) - File URI workspace: (Optional) - File URI
move	Move a file usbdrive: (Optional) - File URI volatile: (Optional) - File URI workspace: (Optional) - File URI
mv	Move a file usbdrive: (Optional) - File URI volatile: (Optional) - File URI workspace: (Optional) - File URI
ping	remote_host - Hostname or IP addr (Min size 0, Max size 510)
ping6	Test network reachability Test IPv6 network reachability remote_host - Hostname or IP addr (Min size 0, Max size 510)
pwd	Print current directory
reboot	Reboots Fabric Interconnect
	Check if in restore mode
rm	Remove a file usbdrive: (Optional) - File URI volatile: (Optional) - File URI workspace: (Optional) - File URI

Command	Additional Information
rmdir	Remove a directory usbdrive: (Optional) - File URI volatile: (Optional) - File URI workspace: (Optional) - File URI
run-script	Run a script. You can use this command to automate CLI commands. workspace: - Name of a script to run Note You cannot use this command for general-purpose scripting.
show	Show system information cli - CLI Information clock - Clock file - File Commands license - Show license information mgmt-ip-debug - IP Debug Info mgmt-port - Management Port open-network-ports - Show open network ports pmon - Pmon processes - Processes sel - System Event Log software - Software sshkey - Sshkey tech-support - Tech Support
shutdown	Shutdown
ssh	SSH to another system remote_system - Enter hostname or user@hostname (Min size 0, Max size 510)
tail-mgmt-log	tail mgmt log file module - Module Name (Min size 0, Max size 510)
telnet	Telnet to another system remote_host - Hostname or IP addr (Min size 0, Max size 510)

Command	Additional Information
terminal	Set terminal line parameters length - Set number of lines on a screen width - Set width of the display terminal
top	Go to the top mode
traceroute	Traceroute to destination remote_host - Hostname or IP addr (Min size 0, Max size 510)
traceroute6	Traceroute to IPv6destination remote_host - Hostname or IP addr (Min size 0, Max size 510)
verify signature	Verify Application Image bootflash: - Image File Name usbdrive: - Image File Name volatile: - Image File Name workspace: - Image File Name



Note You will find differences in CPU usage values when you use **show processes** and **show system resources** CLIs simultaneously. The CPU usage values differ because of the number of iterations and intervals that each CLI uses by default to summarize the output after sampling through the iterations.

connect module: Command List

After you have used the Supervisor **connect module** command to connect to a specific module console, the following commands are available on that console. See [connect module](#) for information about the **connect module** command.

In this shell, you can perform operations on the fabric interconnect, including copying files, rebooting the fabric interconnect, and running ping and traceroute commands.



Note When you connect to a module command shell, the command-line prompt changes from your default prompt, which is the name you assigned to the appliance, to `Firepower-module n` , where n is the number of the module to which you connected; see the following example.

Examples

The following example shows how to connect to the module 1 using Telnet, and view available commands:

```
firepower# connect module 1 telnet
Type exit or Ctrl-] followed by . to quit.
Firepower-module1>?
  secure-login      => Enable blade secure login
  show             => Display system information. Enter show ? for options
  config           => Configure the system. Enter config ? for options
  terminalLength   => Terminal settings. Enter terminal ? for options
  ping            => Ping a host to check reachability
  nslookup        => Look up an IP address or host name with the DNS servers
  traceroute      => Trace the route to a remote host
  connect         => Connect to specific csp console (asa, etc)
  support         => System file operations
  testcrashinfo   => Test crashinfo support
  exit            => Exit the session
  help           => Get help on command syntax
Firepower-module1> <Ctrl-], .>
firepower#
```

Table 8: Commands Available on a Module Console

Command	Additional Information
<code>secure-login</code>	Enable blade secure log in

Command	Additional Information
show	<p>Display system information. Enter show ? for options</p> <ul style="list-style-type: none"> diskusage – Display current disk space usage time – Display current system date and time faults – Display the security module faults if any memoryusage – Display the system Memory usage cpuinfo – Display the system CPU Information users – Display who is logged on and user operations uptime – Display system up time slot – Display the slot number of SSP to which this blade is connected processes – Display all system processes hosts – Show hosts route – Show configured routes interfaces – Show currently configured interfaces version – Display product version netstat – Show network connections vnicmap – Display VNICs with Ethernet interfaces platform – None memory – Display the memory monitor configuration disk – Display the disk monitor configuration cpu – Display the CPU monitor configuration ntp – Show NTP time sync information coredump – Show coredump configuration maxRestart – Show maxRestart turboBoost – Show turboBoost configuration services – Display status of the services process – Show process details cgroups – Display the cgroups tech-support – Generate system information report for troubleshooting purposes

Command	Additional Information
config	<p>Configure the system. Enter config ? for options</p> <ul style="list-style-type: none"> vnic – Configure specified VNIC memory – Configure memory monitor disk – Configure disk monitor process – Configure process cpu monitor maxRestart – Configure maximum restarts CSP. 0 shall Disable feature. Default 8 restartTimeInter – Configure time in seconds to block all CSPs from starting if server restarts maxRestart in this interval. Default 1200 restartCounters – To reset the restart_count coredump – config coredump {...} turboBoost – config turboBoost {...}
terminalLength	<p>Terminal settings. Enter terminal ? for options</p> <ul style="list-style-type: none"> enable – terminal length enable disable – terminal length disable
ping	<p>Ping a host to check reachability</p> <p><i>host</i></p>
nslookup	<p>Look up an IP address or host name with the DNS servers</p> <p><i>host</i></p>
traceroute	<p>Trace the route to a remote host</p> <p><i>host</i></p>
connect	<p>Connect to specific csp console (asa, etc)</p> <p><i>appname apphost</i></p>

Command	Additional Information
support	<p>System file operations</p> <ul style="list-style-type: none"> platform – Platform operations fileupload – Copy Archive files to MIO diagnostic – Create diagnostic Archive file filelist – List existing files in system directories fileview – View files in the system filetail – Tail files in the system deleteBootImage – Delete boot image certdownload – Download certificate from remote syslog server verify – verify image generate – support generate {command..} tunnel – support tunnel {command..} dplug-access – Enable dplug access send_diag_archiv – Uploads a Default Archive to MIO send_logs – Uploads select files to MIO
testcrashinfo	<p>Test crashinfo support</p> <ul style="list-style-type: none"> singleprocess – Test crashinfo support with single process multiprocess – Test crashinfo support with multiple processes multithread – Test crashinfo support with multiple threads
help	Get help on command syntax

