

Oracle ILOM Quick Reference for CLI Commands Firmware Release 5.1.x



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Using This Documentation

- **Overview** – This reference provides a list of basic commands that you can use to remotely manage your Oracle servers.
- **Audience** – This guide is intended for technicians, system administrators, and authorized Oracle service providers.
- **Required knowledge** – Users should have experience managing system hardware.

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Product Documentation Library

Late-breaking information and known issues for this product are included in the documentation library at <http://www.oracle.com/goto/ilom/docs>

Feedback

Provide feedback about this documentation at [Oracle Feedback](#).

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Oracle ILOM Quick Reference for CLI Commands

This section contains information about common Oracle ILOM 5.0.x CLI commands.

The following categories of commands are included in this section:

- [System Information and Management](#)
- [Host and System Control](#)
- [Oracle ILOM Initial Setup](#)
- [System Monitoring and Status](#)
- [System Inventory](#)
- [Oracle ILOM Maintenance](#)
- [Oracle ILOM Configuration Management](#)
- [Oracle ILOM Help](#)

System Information and Management

Table 2-1 System Information and Management Commands

Task	CLI Command
Show Oracle ILOM version	<code>version</code>
Show system information	<code>show /System model part_number serial_number</code>
Show x86 BIOS version (legacy BIOS platforms)	<code>show /System/BIOS version</code>
Show x86 BIOS version (UEFI BIOS platforms)	<code>show /System/Firmware/Other_Firmware/Firmware_1 version</code>
Show SPARC system firmware version	<code>show /System sys_fw_version</code>
Show SP IP address	<code>show /System ilom_address</code>
Show SP MAC address	<code>show /System ilom_mac_address</code>
Show host MAC address	<code>show /System host_primary_mac_address</code>
Turn on the Locator LED	<code>set /System locator_indicator=on</code>
Turn off the Locator LED	<code>set /System locator_indicator=off</code>

Host and System Control

Table 2-2 Host and System Control Commands

Task	CLI Command
Power on the server	<code>start /System</code>
Power off the server	<code>stop [-force] /System</code>
Power cycle the server	<code>reset /System</code>
Redirect host console stream to Oracle ILOM	<code>start /HOST/console</code>
Force PXE boot on next boot (x86 only)	<code>set /HOST boot_device=pxe</code>
Force boot to CD-ROM or DVD on the next boot (x86 only)	<code>set /HOST boot_device=cdrom</code>
Setting diagnostic tests to run. For further configuration details, see <i>Setting Diagnostic Tests to Run in Oracle ILOM 5.1 Administrator's Guide</i>	Use the <code>/HOST/diag</code> target to set diagnostic tests. Use the <code>help</code> command to determine the host diagnostic properties supported on the server. <code>help /HOST/diag</code>

Oracle ILOM Initial Setup

Table 2-3 Oracle ILOM Initial Setup Commands

Task	CLI Command
Show network configuration	<code>show /SP/network</code>
Configure static IPv4 address	<code>set /SP/network pendingipdiscovery=static pendingipaddress=commitpending=true address pendingipnetmask=<i>netmask</i> pendingipgateway=<i>address</i></code>
Configure static IPv6 address	<code>set /SP/network/ipv6 state=enabled pending_static_ipaddress= <i>ipv6address</i> set /SP/network commitpending=true</code>
Enable DHCP	<code>set /SP/network pendingipdiscovery=dynamic commitpending=true</code>
Set the Oracle ILOM host name	<code>set /SP hostname=<i>hostname</i></code>
Set the system identifier	<code>set /SP system_identifier=<i>identifier</i></code>
Create user account with all privileges	<code>create /SP/users/ role=aucro [password=] <i>newusernamepassword</i></code>
Create user account with host operator privileges	<code>create /SP/users/ role=cro [password=] <i>newusernamepassword</i></code>
Create read-only user account	<code>create /SP/users/ role=o [password=] <i>newusernamepassword</i></code>

Table 2-3 (Cont.) Oracle ILOM Initial Setup Commands



Task	CLI Command
Delete user account	<code>delete /SP/users/<i>username</i></code>
Override DNS servers retrieved from DHCP	<code>set /SP/clients/dns auto_dns=disabled nameserver= searchpath=<i>nameserver1,nameserver2searchpath1, searchpath2</i></code>
Set the Oracle ILOM date and time	<code>set /SP/clock datetime=<i>MMDDhhmmYYYY.ss</i></code>
Configure an NTP server	<code>set /SP/clients/ntp/server/1 address=<i>address</i> set /SP/clock usntpserver=enabled</code>
Change the external serial port speed	<code>set /SP/serial/external pendingspeed=9600 19200 38400 57600 115200 commitpending=true</code>

System Monitoring and Status

Table 2-4 System Monitoring and Status Commands

Task	CLI Command
Check the overall system health	<code>show /System health</code>
List all open hardware problems	<code>show /System/Open_Problems</code>
Show the Oracle ILOM System Log	<code>show /System/Logs/list</code>
Show cooling summary information	<code>show /System/Cooling</code>
Show actual system power consumption	<code>show /System actual_power_consumption</code>
Show the Oracle ILOM Event Log	<code>show /SP/logs/event/list</code>
Track session IDs at the onset of a KVMs or a Serial Redirection user session.	<code>show /SP/logs/session/list</code>

Table 2-4 (Cont.) System Monitoring and Status Commands

Task	CLI Command
Track user actions using the Oracle ILOM Audit Log	<pre>show /SP/logs/audit/list</pre> <div style="border: 1px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>As of Oracle ILOM firmware version 5.1.0, user session login and logout events for all Oracle ILOM user interfaces (web, CLI, and API) have been moved from the audit log to the session log.</p> </div> <div style="border: 1px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>User login and logout events captured in the audit log prior to Oracle ILOM 5.1.0 will continue to remain in the audit log.</p> </div>
Configure an SNMP trap destination	<pre>set /SP/alertmgmt/rules/1 type=snmptrap snmp_version=1 level=minor destination=destination_port= community_or_username= <i>ipaddressportcommunity</i></pre>

System Inventory

Table 2-5 System Inventory Commands

Task	CLI Command
List information about all DIMMs	<pre>show -level all -output table /System/Memory/DIMMs</pre>
List information about all CPUs	<pre>show -level all -output table /System/Processors/CPUs</pre>
List information about all power supplies	<pre>show -level all -output table /System/Power/Power_Supplies</pre>
List information about all hard disks	<pre>show -level all -output table /System/Storage/Disks</pre>

Oracle ILOM Maintenance

Table 2-6 Oracle ILOM Maintenance Commands

Task	CLI Command
Update Oracle ILOM firmware	<code>load -source /SP/firmwareURI</code>
Reset Oracle ILOM SP	<code>reset /SP</code>

Oracle ILOM Configuration Management

Table 2-7 Oracle ILOM Configuration Management

Task	CLI Command
Reset Oracle ILOM configuration to factory defaults	<code>set /SP</code> <code>reset_to_defaults=all</code>
Back up Oracle ILOM configuration to a file	<code>dump -destination /SP/</code> <code>configURI</code>
Restore Oracle ILOM configuration from a file	<code>load -source /SP/configURI</code>

Oracle ILOM Help

Table 2-8 Oracle ILOM Help Commands

Task	CLI Command
View all CLI targets for the system in any part of the CLI	<code>help targets</code>
View help for targets or properties	<code>help targetproperty</code>