

# Basic CLI Command Reference

## Oracle Integrated Lights Out Manager (ILOM) 3.0

**TABLE 1** System Information and Management – CLI Commands

| Task                        | CLI Command  |
|-----------------------------|--|
| Show system information     | <code>show /SYS product_name product_part_number product_serial_number product_manufacturer</code> |
| Show Oracle ILOM version    | <code>version</code>   |
| Show x86 BIOS version       | <code>show /SYS/MB/BIOS fru-version</code>   |
| Show SPARC host equivalent  | <code>show /HOST sysfw_version</code>  |
| Show network settings       | <code>show /SP/network ipaddress ipnetmask ipgateway</code>  |
| Show SP MAC address         | <code>show /SP/network macaddress</code>   |
| Show x86 host MAC address   | <code>show /SYS/MB/NET0 fru_serial_number</code>   |
| Show SPARC host MAC address | <code>show /HOST macaddress</code>   |
| Turn on the Locator LED     | <code>set /SYS/LOCATE value=Fast_Blink</code>  |
| Turn off the Locator LED    | <code>set /SYS/LOCATE value=Off</code>   |

**TABLE 2** Host and System Control – CLI Commands

| Task   | CLI Command                                |
|--|--|
| Power on the server                                    | <code>start /SYS</code>                    |
| Power off the server                                   | <code>stop [-force] /SYS</code>            |
| Power cycle the server                                 | <code>reset /SYS</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 CDROM or DVD on the next boot (x86 only) | <code>set /HOST boot_device=cdrom</code>   |
| Enable additional x86 diagnostics on next boot         | <code>set /HOST/diag state=enabled</code>  |
| Enable SPARC diagnostic state (default value)          | <code>set /SYS keyswitch_state=diag</code> |

**TABLE 3** Oracle ILOM Initial Setup – CLI Commands

| Task   | CLI Command   |
|--|---|
| Show network configuration                   | <code>show /SP/network/</code>  |
| Configure static IPv4 address                | <code>set /SP/network pendingipdiscovery=static pendingipaddress=<i>address</i> pendingipnetmask=<i>netmask</i> pendingipgateway=<i>address</i> commitpending=true</code> |
| Configure static IPv6 address                | <code>set /SP/network/ipv6 state=enabled pending_static_ipaddress=<i>ipv6address</i> set /SP/network commitpending=true</code>  |
| Configure Oracle ILOM to use 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/<i>newusername</i> role=aucro [password=<i>password</i>]</code>  |
| Create user account with operator privileges | <code>create /SP/users/<i>newusername</i> role=cro [password=<i>password</i>]</code>  |
| Create read-only user account                | <code>create /SP/users/<i>newusername</i> role=o [password=<i>password</i>]</code>  |
| Delete user account                          | <code>delete /SP/users/<i>username</i></code>   |

**TABLE 3** Oracle ILOM Initial Setup – CLI Commands (Continued)

| Task                                     | CLI Command  |
|--|--|
| Override DNS servers retrieved from DHCP | set /SP/clients/dns auto_dns=disabled nameserver=nameserver1,nameserver2<br>searchpath=searchpath1,searchpath2 |
| Set the Oracle ILOM date and time        | set /SP/clock datetime=MMDDhhmmYYYY.ss   |
| Configure an NTP server                  | set /SP/clients/ntp/server/1 address=address<br>set /SP/clock usntpserver=enabled                              |
| Change the external serial port speed    | set /SP/serial/external pendingspeed=9600 19200 38400 57600 115200<br>commitpending=true                       |

**TABLE 4** System Monitoring and Status – CLI Commands

| Task                                 | CLI Command   |
|--------------------------------------|---|
| Show the Oracle ILOM Event Log       | show /SP/logs/event/list  |
| Configure an SNMP trap destination   | set /SP/alertmgmt/rules/1 type=snmptrap snmp_version=1<br>destination=ipaddress destination_port=port community_or_username=community |
| Check the service indicator          | show /SYS/SERVICE value   |
| List all hardware faults             | show -level all -output table /SP/faultmgmt   |
| List all temperature sensor readings | show -level all -output table /SYS type==Temperature value  |
| Show actual system power consumption | show /SP/VPS value  |

**TABLE 5** System Inventory – CLI Commands

| Task                    | CLI Command   |
|-------------------------|---|
| List all DIMMs          | show -level all -output table /SYS type==DIMM                       |
| List all CPUs           | show -level all -output table /SYS type=='Host Processor'           |
| List all power supplies | show -level all -output table /SYS type=='Power Supply' fru_name==* |
| List all hard disks     | show -l all /SYS type=='Hard Disk'                                  |

**TABLE 6** Oracle ILOM Maintenance – CLI Commands

| Task                        | CLI Command                   |
|-----------------------------|-------------------------------|
| Update Oracle ILOM firmware | load -source URI /SP/firmware |
| Reset Oracle ILOM SP        | reset /SP                     |

**TABLE 7** Oracle ILOM Configuration Management – CLI Commands

| Task  | CLI Command                      |
|---|----------------------------------|
| Reset Oracle ILOM configuration to factory defaults | set /SP reset_to_defaults=all    |
| Backup Oracle ILOM configuration to a file          | dump -destination URI /SP/config |
| Restore Oracle ILOM configuration from a file       | load -source URI /SP/config      |

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