This reference provides quick lookup support for the Oracle Solaris Cluster command-line interface. Many tasks require cluster preparation before you issue these commands. For information about cluster preparation, refer to the appropriate cluster administration manual.

### QUORUM ADMINISTRATION

<table>
<thead>
<tr>
<th>Task</th>
<th>Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add a SCSI Quorum Device</td>
<td><code>clquorum add device</code></td>
</tr>
<tr>
<td>Add a NAS Quorum Device</td>
<td><code>clquorum add -t netapp_nas -p filer=filernamenas, lun_id= lundevice Nasdevice</code></td>
</tr>
<tr>
<td>Add a Quorum Server</td>
<td><code>clquorum add -t quorumserver -p qshost=IPaddress, port=portnumber quorumservername</code></td>
</tr>
<tr>
<td>Remove a Quorum Device</td>
<td><code>clquorum remove device</code></td>
</tr>
</tbody>
</table>

### RESOURCE TYPE ADMINISTRATION

<table>
<thead>
<tr>
<th>Task</th>
<th>Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>Register a Resource Type</td>
<td><code>clresource-type register type</code></td>
</tr>
<tr>
<td>Remove a Resource Type</td>
<td><code>clresource-type unregister</code></td>
</tr>
</tbody>
</table>

### RESOURCE GROUP ADMINISTRATION

<table>
<thead>
<tr>
<th>Task</th>
<th>Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create a Failover Resource Group</td>
<td><code>clresource-group create group</code></td>
</tr>
<tr>
<td>Create a Scalable Resource Group</td>
<td><code>clresource-group create -S group</code></td>
</tr>
<tr>
<td>Bring Online All Resource Groups</td>
<td><code>clresource-group online +</code></td>
</tr>
<tr>
<td>Delete a Resource Group</td>
<td><code>clresource-group delete group</code></td>
</tr>
<tr>
<td>Delete a Resource Group and All of Its Resources</td>
<td><code>clresource-group delete -F group</code></td>
</tr>
<tr>
<td>Switch the Current Primary Node of a Resource Group</td>
<td><code>clresource-group switch -n nodename group</code></td>
</tr>
<tr>
<td>Move a Resource Group Into the UNMANAGED State</td>
<td><code>clresource-group unmanage group</code></td>
</tr>
<tr>
<td>Suspend Automatic Recovery of a Resource Group</td>
<td><code>clresource-group suspend group</code></td>
</tr>
<tr>
<td>Resume Automatic Recovery of a Resource Group</td>
<td><code>clresource-group resume group</code></td>
</tr>
<tr>
<td>Change a Resource Group Property</td>
<td><code>clresource-group set -p Failback=true + name=value</code></td>
</tr>
<tr>
<td>Add a Node To a Resource Group</td>
<td><code>clresource-group add-node -n nodename group</code></td>
</tr>
<tr>
<td>Remove a Node From a Resource Group</td>
<td><code>clresource-group remove-node -n nodename group</code></td>
</tr>
</tbody>
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### RESOURCE ADMINISTRATION

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<th>Task</th>
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<tr>
<td>Create a Logical Hostname Resource</td>
<td><code>clreslogicalhostname create -g group lh-resource</code></td>
</tr>
<tr>
<td>Create a Shared Address Resource</td>
<td><code>clressharedaddress create -g group sa-resource</code></td>
</tr>
<tr>
<td>Create a Resource</td>
<td><code>clresource create -g group -t type resource</code></td>
</tr>
<tr>
<td>Remove a Resource</td>
<td><code>clresource delete resource</code></td>
</tr>
<tr>
<td>Disable a Resource</td>
<td><code>clresource disable resource</code></td>
</tr>
<tr>
<td>Change a Single-Value Resource Property</td>
<td><code>clresource set -t type -p name=value +</code></td>
</tr>
<tr>
<td>Add a Value to a List of Property Values</td>
<td><code>clresource set -p name+=value resource</code></td>
</tr>
<tr>
<td>Clear the stop_failed Error Flag on a Resource</td>
<td><code>clresource clear -f STOP_FAILED resource</code></td>
</tr>
</tbody>
</table>

Create an HAStorage Plus Resource

Create an HAStorage Plus Resource

Create an HAStorage Plus Resource

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Clear the STOP_FAILED Error Flag on a Resource

Clear the STOP_FAILED Error Flag on a Resource

Clear the STOP_FAILED Error Flag on a Resource
DEVICE ADMINISTRATION

Remove a Device Group

Remove a Device Group
cldevicegroup delete devgrp

Switch a Device Group to a New Node

Switch a Device Group to a New Node
cldevicegroup switch -n nodename devgrp

Bring Offline a Device Group

Bring Offline a Device Group
cldevicegroup offline devgrp

Update Device IDs for the Cluster

Update Device IDs for the Cluster
cldevice refresh diskname

MISCELLANEOUS ADMINISTRATION AND MONITORING

Add a Node to Cluster

Add a Node to Cluster
clnode add -c clustername -n nodename -e endpoint1,endpoint2 \\
-e endpoint3,endpoint4

Remove a Node From the Cluster

Remove a Node From the Cluster
clnode remove

Switch All Resource Groups and Device Groups Off of a Node

Switch All Resource Groups and Device Groups Off of a Node
clnode evacuate nodename

Manage the Interconnect Interfaces

Manage the Interconnect Interfaces
clinterconnect disable nodename:endpoint

These commands disable a cable so that maintenance can be performed, then enable the same cable afterward.

clinterconnect enable nodename:endpoint

Display the Status of All Cluster Components

Display the Status of All Cluster Components
cluster status

Display the Status of One Type of Cluster Component

Display the Status of One Type of Cluster Component
command status

Display the Complete Cluster Configuration

Display the Complete Cluster Configuration
cluster show

Display the Configuration of One Type of Cluster Component

Display the Configuration of One Type of Cluster Component
command show

List One Type of Cluster Component

List One Type of Cluster Component
command list

Display Oracle Solaris Cluster Release and Version Information

Display Oracle Solaris Cluster Release and Version Information
clnode show-rev -v

This command lists the software versions on the current node.

Map Node ID to Node Name

Map Node ID to Node Name
clnode show | grep nodename

Enable Disk Attribute Monitoring on All Cluster Disks

Enable Disk Attribute Monitoring on All Cluster Disks
cltelemetryattribute enable -t disk rbyte.rate wbyte.rate \\
read.rate write.rate

Disable Disk Attribute Monitoring on All Cluster Disks

Disable Disk Attribute Monitoring on All Cluster Disks
cltelemetryattribute disable -t disk rbyte.rate wbyte.rate \\
read.rate write.rate

SHUTTING DOWN AND BOOTING A CLUSTER

Shut Down the Entire Cluster

Shut Down the Entire Cluster
cluster shutdown

From one node:

Shut Down a Single Node

Shut Down a Single Node
clnode evacuate

Boot a Single Node

Boot a Single Node
ok> boot
Select (b)oot or (i)nterpreter: b

(x86)

Reboot a Node Into Noncluster Mode

Reboot a Node Into Noncluster Mode
ok> boot -x
Select (b)oot or (i)nterpreter: b -x

(x86)