ORACLE SOLARIS™ CLUSTER QUICK REFERENCE

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 Quorum Server</td>
<td><code>clquorum add -t quorumserver -p qhost=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>clresourcetype register type</code></td>
</tr>
<tr>
<td>Remove a Resource Type</td>
<td><code>clresourcetype 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>clresourcegroup create group</code></td>
</tr>
<tr>
<td>Create a Scalable Resource Group</td>
<td><code>clresourcegroup create -S group</code></td>
</tr>
<tr>
<td>Bring Online All Resource Groups</td>
<td><code>clresourcegroup online +</code></td>
</tr>
<tr>
<td>Delete a Resource Group</td>
<td><code>clresourcegroup delete group</code></td>
</tr>
<tr>
<td>Delete a Resource Group and All of Its Resources</td>
<td><code>clresourcegroup delete -F group</code></td>
</tr>
<tr>
<td>Switch the Current Primary Node of a Resource Group</td>
<td><code>clresourcegroup switch -n nodename group</code></td>
</tr>
<tr>
<td>Move a Resource Group Into the UNMANAGED State</td>
<td><code>clresourcegroup unmanage group</code></td>
</tr>
<tr>
<td>Suspend Automatic Recovery of a Resource Group</td>
<td><code>clresourcegroup suspend group</code></td>
</tr>
<tr>
<td>Resume Automatic Recovery of a Resource Group</td>
<td><code>clresourcegroup resume group</code></td>
</tr>
<tr>
<td>Change a Resource Group Property</td>
<td><code>clresourcegroup set -p Failback=true + name=value</code></td>
</tr>
<tr>
<td>Add a Node To a Resource Group</td>
<td><code>clresourcegroup add-node -n nodename group</code></td>
</tr>
<tr>
<td>Remove a Node From a Resource Group</td>
<td><code>clresourcegroup remove-node -n nodename group</code></td>
</tr>
</tbody>
</table>

RESOURCE ADMINISTRATION

<table>
<thead>
<tr>
<th>Task</th>
<th>Command</th>
</tr>
</thead>
<tbody>
<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>Create an HAStorage Plus Resource</td>
<td><code>clresource create -t HAStoragePlus -g group\ -p FilesystemMountPoints=mount-point-list\ -p Affinityon=true rs-hasp</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>
**DEVICE ADMINISTRATION**

Add a Raw-Disk or Replicated Device Group

```
# cldevicegroup create -t rawdisk -n node-list -d DID-list devgrp
```

Remove a Device Group

```
# cldevicegroup delete devgrp
```

Switch a Device Group to a New Node

```
# cldevicegroup switch -n nodename devgrp
```

Bring Offline a Device Group

```
# cldevicegroup offline devgrp
```

Update Device IDs for the Cluster

```
# cldevice refresh diskname
```

**MISCELLANEOUS ADMINISTRATION AND MONITORING**

Add a Node to Cluster

```
# clnode add -c clustername -n nodename -e endpoint1,endpoint2\ -e endpoint3,endpoint4
```

Remove a Node From the Cluster

```
# clnode remove
```

Switch All Resource Groups and Device Groups Off of a Node

```
# clnode evacuate nodename
```

Manage the Interconnect Interfaces

```
# clinterconnect disable nodename:endpoint
# clinterconnect enable nodename:endpoint
```

Display the Status of All Cluster Components

```
# cluster status
```

Display the Status of One Type of Cluster Component

```
# command status
```

Display the Complete Cluster Configuration

```
# cluster show
```

Display the Configuration of One Type of Cluster Component

```
# command show
```

List One Type of Cluster Component

```
# command list
```

Display Oracle Solaris Cluster Release and Version Information

```
# clnode show-rev -v
```

Map Node ID to Node Name

```
# clnode show | grep nodename
```

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

```
# cltelemetryattribute disable -t disk rbyte.rate wbyte.rate\ read.rate write.rate
```

**SHUTTING DOWN AND BOOTING A CLUSTER**

Shut Down the Entire Cluster

```
# cluster shutdown
# clnode evacuate
```

Shut Down a Single Node

```
# shutdown
```

Boot a Single Node

```
ok> boot
Select (b)oot or (i)nterpreter: b
```

(Visit one node)

```
ok> boot -x
Select (b)oot or (i)nterpreter: b -x
```