

Quick Reference for Oracle Solaris Cluster 4.4

This cheatsheet 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 guide.

Oracle Solaris Cluster Quick Reference

QUORUM ADMINISTRATION

Add a SCSI Quorum Device	<code># clquorum add device</code>
Add a Quorum Server	<code># clquorum add -t quorumserver -p qshost=IPaddress, port=portnumber quorumservername</code>
Remove a Quorum Device	<code># clquorum remove device</code>

RESOURCE TYPE ADMINISTRATION

Register a Resource Type	<code># clresourcetype register type</code>
Remove a Resource Type	<code># clresourcetype unregister type</code>

RESOURCE GROUP ADMINISTRATION

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

RESOURCE ADMINISTRATION

Create a Logical Hostname Resource	<code># clreslogicalhostname create -g group lh-resource</code>
Create a Shared Address Resource	<code># clressharedaddress create -g group sa-resource</code>
Create a Resource	<code># clresource create -g group -t type resource</code>
Remove a Resource	<code># clresource delete resource</code>
Disable a Resource	<code># clresource disable resource</code>
Change a Single-Value Resource Property	<code># clresource set -t type -p name=value +</code>
Add a Value to a List of Property Values	<code># clresource set -p name+=value resource</code>
Existing values in the list are unchanged.	
Create an HASStoragePlus Resource	<code># clresource create -t HASStoragePlus -g group -p FileSystemMountPoints=mount-point-list -p Affinityon=true rs-hasp</code>
Clear the STOP_FAILED Error Flag on a Resource	<code># clresource clear -f STOP_FAILED resource</code>

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DEVICE ADMINISTRATION

Add a Raw-Disk or Replicated Device Group	<code># cldevicegroup create -t rawdisk -n node-list -d DID-list devgrp</code>
Remove a Device Group	<code># cldevicegroup delete devgrp</code>
Switch a Device Group to a New Node	<code># cldevicegroup switch -n nodename devgrp</code>
Bring Offline a Device Group	<code># cldevicegroup offline devgrp</code>
Update Device IDs for the Cluster	<code># cldevice refresh diskname</code>

MISCELLANEOUS ADMINISTRATION AND MONITORING

Add a Node to a Cluster	<code># clnode add -c clustername -n nodename -e endpoint1, endpoint2 -e endpoint3, endpoint4</code>
From the node to be added, which has access. (If the node does not have access to the cluster configuration, see the <code>claccess(1CL)</code> man page.)	
Remove a Node From the Cluster	<code># clnode remove</code>
From the node to be removed, which is in noncluster mode and has access. (If the node does not have access to cluster configuration, see the <code>claccess(1CL)</code> man page.)	
Switch All Resource Groups and Device Groups Off of a Node	<code># clnode evacuate nodename</code>
Manage the Interconnect Interfaces	<code># clinterconnect disable nodename:endpoint</code>
These commands disable a cable so that maintenance can be performed, then enable the same cable afterward.	<code># clinterconnect enable nodename:endpoint</code>
Display the Status of All Cluster Components	<code># cluster status</code>
Display the Status of One Type of Cluster Component	<code># command status</code>
Display the Complete Cluster Configuration	<code># cluster show</code>
Display the Configuration of One Type of Cluster Component	<code># command show</code>
List One Type of Cluster Component	<code># command list</code>
Display Oracle Solaris Cluster Release and Version	<code># clnode show-rev -v</code>
This command lists the software versions on the current node.	
Map Node ID to Node Name	<code># clnode show grep nodename</code>
Enable Disk Attribute Monitoring on All Cluster Disks	<code># cltelemetryattribute enable -t disk rbyte.rate wbyte.rate read.rate write.rate</code>
Disable Disk Attribute Monitoring on All Cluster Disks	<code># cltelemetryattribute disable -t disk rbyte.rate wbyte.rate read.rate write.rate</code>

SHUTTING DOWN AND BOOTING A CLUSTER

Shut Down the Entire Cluster	<code># cluster shutdown</code>
From one node:	<code># clnode evacuate</code>
Shut Down a Single Node	<code># shutdown</code>
Boot a Single Node (SPARC)	<code>ok> boot</code>
Boot a Single Node (x86)	Select (b)oot or (i)nterpreter: b
Reboot a Node Into Noncluster Mode (SPARC)	<code>ok> boot -x</code>
Reboot a Node Into Noncluster Mode (x86)	Select (b)oot or (i)nterpreter: b -x
