# Oracle Solaris Cluster 4 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.

# Oracle Solaris Cluster Quick Reference

| ***QUORUM ADMINISTRATION*** | |
|---|---|
| Add a SCSI Quorum Device | # **clquorum add** *device* |
| Add a Quorum Server | # **clquorum add -t quorumserver -p qshost=***IPaddress***, port=***portnumber* *quorumservername* |
| Remove a Quorum Device | # **clquorum remove** *device* |

| ***RESOURCE TYPE ADMINISTRATION*** | |
|---|---|
| Register a Resource Type | # **clresourcetype register** *type* |
| Remove a Resource Type | # **clresourcetype unregister** *type* |

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

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

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| ***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 a Cluster<br><br>From the node to be added, which has access. (If the node does not have access to the cluster configuration, see the `claccess`(1CL) man page.) | # **clnode add -c** *clustername* **-n** *nodename* **-e** *endpoint1*, *endpoint2* **-e** *endpoint3*, *endpoint4* |
| Remove a Node From the Cluster<br><br>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 `claccess`(1CL) man page. | # **clnode remove** |
| Switch All Resource Groups and Device Groups Off of a Node | # **clnode evacuate** *nodename* |
| Manage the Interconnect Interfaces<br><br>These commands disable a cable so that maintenance can be performed, then enable the same cable afterward. | # **clinterconnect disable** *nodename:endpoint*<br><br># **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<br><br>This command lists the software versions on the current node. | # **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<br><br>From one node: | # **cluster shutdown**<br><br># **clnode evacuate** |
| Shut Down a Single Node | # **shutdown** |
| Boot a Single Node (SPARC) | ok> **boot** |
| Boot a Single Node (x86) | `Select (b)oot or (i)nterpreter:` **b** |
| Reboot a Node Into Noncluster Mode (SPARC) | ok> **boot -x** |
| Reboot a Node Into Noncluster Mode (x86) | `Select (b)oot or (i)nterpreter:` **b -x** |



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