

# SUN™ CLUSTER QUICK REFERENCE

This reference provides quick lookup support for the Sun 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

Add a SCSI Quorum Device	# <code>clquorum add device</code>
Add a NAS Quorum Device	# <code>clquorum add -t netapp_nas -p filer=<i>nasdevicename</i>, lun_id=<i>IDnumdevice</i> \</code> <code>Nasdevice</code>
Add a Quorum Server	# <code>clquorum add -t quorumserver -p qshost=<i>IPaddress</i>, port=<i>portnumber</i> \</code> <code>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 HAStorage Plus Resource	# <code>clresource create -t HAStoragePlus -g group \</code> <code>-p FileSystemMountPoints=<i>mount-point-list</i> \</code> <code>-p Affinityon=true rs-hasp</code>
Clear the STOP_FAILED Error Flag on a Resource	# <code>clresource clear -f STOP_FAILED resource</code>

## DEVICE ADMINISTRATION

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Add a VxVM Device Group	# cldevicegroup create -t vxvm -n node-list -p failback=true vxdevgrp
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

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### Add a Node to Cluster

From the node to be added, which has access:  
(If the node does not have access to 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

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
```

```
# clnode evacuate nodename
```

Switch All Resource Groups and Device Groups Off of a Node

### Manage the Interconnect Interfaces

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

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

```
# cluster status
```

Display the Status of All Cluster Components

```
# command status
```

Display the Status of One Type of Cluster Component

```
# cluster show
```

Display the Complete Cluster Configuration

```
# command show
```

Display the Configuration of One Type of Cluster Component

```
# command list
```

List One Type of Cluster Component

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

Display Sun Cluster Release and Version Information

This command lists the software versions on the current node.

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

Map Node ID to Node Name

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

Enable Disk Attribute Monitoring on All Cluster Disks

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

Disable Disk Attribute Monitoring on All Cluster Disks

## SHUTTING DOWN AND BOOTING A CLUSTER

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```
# cluster shutdown
```

Shut Down the Entire Cluster

From one node:

```
# clnode evacuate  
# shutdown
```

Shut Down a Single Node

### Boot a Single Node

(SPARC) ok> boot  
(x86) Select (b)oot or (i)nterpreter: b

### Reboot a Node Into Noncluster Mode

(SPARC) ok> boot -x  
(x86) Select (b)oot or (i)nterpreter: b -x