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	`# clquorum add` *device*
Add a NAS Quorum Device	`# clquorum add -t netapp_nas -p filer=`*nasdevicename*`,lun_id=`*IDnumdevice* \ *Nasdevice*
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 Existing values in the list are unchanged.	`# clresource set -p` *name+=value resource*
Create an HAStorage Plus 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*

DEVICE ADMINISTRATION

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

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`
Switch All Resource Groups and Device Groups Off of a Node	`# clnode evacuate` *nodename*
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*
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 Sun Cluster Release and Version Information 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 From one node:	`# cluster shutdown`
Shut Down a Single Node	`# clnode evacuate` `# shutdown`
Boot a Single Node	
(SPARC)	`ok> boot`
(x86)	`Press any key to reboot:` *keystroke*
Reboot a Node Into Noncluster Mode	
(SPARC)	`ok> boot -x`
(x86)	`Press any key to reboot:` *boot interactively and add* `-x` *to the multiboot command*

Part No. 819-6811-11, August 2007