



VERITAS Cluster Server Command Line Reference

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Start VCS	
> hstart (-force) (-stale) (in Unix Only)	-force will force VCS to use the local configuration.
> hasys -force [system_name] (in Windows NT)	
Stop VCS	
> hstop -local [-force -evacuate]	-local stops HAD on the system where you type the command.
> hstop -sys system_name [-force -evacuate]	-sys stops HAD on the system you specify.
> hstop -all -force	-all stops HAD on all systems in the cluster.
Change VCS Configuration Online	
> haconf -makerw	Makes VCS configuration Read/Write.
> haconf -dump -makero	Dumps VCS configuration to Main.cf and makes Read-Only.
Get Current Cluster Status	
> hastatus -summary or -sum	Summarizes the status of the cluster.
Add and Delete Users	
> hauser -add [user_name]	Adds a user with read/write access.
> hauser -add [VCSGuest]	Adds a user with read-only access.
> hauser -update [user_name]	Modifies a user's password.
> hauser -delete [user_name]	Deletes a user.
> hauser -display [user_name]	Displays all users if username is not specified.
System Operations	
> hasys -list	List systems in the cluster.
> hasys -display [system_name]	Get detailed information about each system.
> hasys -add [system_name]	Add a system. Not recommended - Use the installer.
> hasys -delete [system_name]	Delete a system. Note recommended - Use Add/Remove programs.
Resource Types	
> hatype -list	List resource types.
> hatype -display [type_name]	Get detailed information about a resource type.
> hatype -resources [type_name]	List all resources of a particular type.
> hatype -add [resource_type]	Add a resource type.
> hatype -modify [resource_type]	Set the value of static attributes.
> hatype -delete [resource_type]	Delete a resource type.
Resource Operations	
> hares -list	List all resources
> hares -dep [resource_name]	List a resource's dependencies.
> hares -display [resource_name]	Get detailed information about a resource.
> hares -add [resource_name] [resource_type] [service_group]	Add a resource.
> hares -modify [resource_name] [attribute_name] [value]	Modify the attributes of the new resource.
> hares -delete [resource_name]	Delete a resource.
> hares -online [resource_name] -sys [system_name]	Online a resource.
> hares -offline [resource_name] -sys [system_name]	Offline a resource.

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> hares -probe [resource_name] -sys [system_name]	Cause a resource's agent to immediately monitor the resource on a particular system.
> hares -clear [resource_name] -sys [system_name]	Clear a faulted resource.
> hares -local [resource_name] [attribute_name] [value]	Make a resource's attribute value local.
> hares -global [resource_name] [attribute_name] [value]	Make a resource's attribute value global.
> hares -link [parent_res] [child_res]	Specify a dependency between two resources.
> hares -unlink [parent_res] [child_res]	Remove the dependency relationship between two resources.
Service Group Operations	
> hagr -list	List all service groups.
> hagr -resources [service_group]	List a service group's resources.
> hagr -dep [service_group]	List a service group's dependencies.
> hagr -display [service_group]	Get detailed information about a service group.
> hagr -online [service_group] -sys [system_name]	Start a service group and bring its resources online.
> hagr -offline [service_group] -sys [system_name]	Stop a service group and take its resources offline.
> hagr -switch [service_group] -to [to_system]	Switch a service group from one system to another. (failover groups only)
> hagr -freeze [service_group] -persistent	Freeze a service group (disable on lining and off lining).
> hagr -unfreeze [service_group] -persistent	Unfreeze a service group (re-enable on lining and off lining).
> hagr -enable [service_group] -sys [system_name]	Enable a service group.
> hagr -disable [service_group] -sys [system_name]	Disable a service group.
> hagr -enableresources [service_group]	Enable all resources in a service group.
> hagr -disableresources [service_group]	Disable all resources in a service group.
> hagr -link [parent_group] [child_group] [relationship]	Specify the dependency relationship between two service groups.
> hagr -unlink [parent_group] [child_group]	Remove the dependency between two service groups.
TroubleShooting	
> llstat -n	List nodes and LLT heartbeat link information.
> llstat -v	List nodes and detailed LLT heartbeat information.
> gabconfig -a	List GAB heartbeat information within the cluster.
Cluster Operations	
> haclus -display	Displays cluster information and status.
> haclus -enable LinkMonitoring	Enables heartbeat link monitoring in the GUI.
> haclus -disable LinkMonitoring	Disables heartbeat link monitoring in the GUI.