

Commonly Used Commands: Red Hat Linux Cluster

The pcs command line interface enables you to setup corosync and Pacemaker.

The general syntax for using the pcs command is as follows:

```
pcs [-f file] [-h] [commands]...
```

Configuring Cluster Options and Nodes

Command	Description	Syntax
<code>pcs cluster auth</code>	Authenticates pcs to the pcs daemon on the cluster nodes	<code>pcs cluster auth [node] [...] [-u username] [-p password]</code>
<code>pcs cluster setup</code>	Configures the cluster configuration file and syncs the configuration to the specified nodes.	<code>pcs cluster setup [--start] [--local] --name cluster_name node1 [node2] [...]</code>
<code>pcs cluster start</code>	Starts cluster services on the specified node or nodes	<code>pcs cluster start [--all] [node] [...]</code>

Managing Cluster Nodes

Command	Description	Syntax
<code>pcs cluster stop</code>	Stops cluster services on the specified node or nodes.	<code>pcs cluster stop [--all] [node] [...]</code>
<code>pcs cluster kill</code>	Forcefully stop cluster services on the local node	<code>pcs cluster kill</code>
<code>pcs cluster enable</code>	Configure the cluster services to run on startup on the specified node or nodes	<code>pcs cluster enable [--all] [node] [...]</code>
<code>pcs cluster disable</code>	Configures the cluster services not to run on startup on the specified node or nodes.	<code>pcs cluster disable [--all] [node] [...]</code>
<code>pcs cluster node remove</code>	Shuts down the specified node and removes it from the cluster configuration file	<code>pcs cluster node remove node</code>
<code>pcs cluster standby</code>	Puts the specified node into standby mode	<code>pcs cluster standby node --all</code>
<code>pcs cluster unstandby</code>	removes the specified node from standby mode	<code>pcs cluster unstandby node --all</code>
<code>pcs cluster destroy</code>	Remove all cluster configuration files and stop all cluster services	<code>pcs cluster destroy</code>
<code>pcs status</code>	Displays the current status of the cluster and the cluster resources	<code>pcs status</code>

Configuring Cluster Resources

Command	Description	Syntax
<code>pcs resource create</code>	Creates a cluster resource	<code>pcs resource create resource_id [standard:[provider:]]type [resource_options] [op operation_action operation_options</code>

		[operation_action operation options]... [meta meta_options...] [clone [clone_options] master [master_options] [--wait[=n]]
pcs resource delete	Deletes a configured resource	pcs resource delete resource_id
pcs resource list	Displays a list of all available resources	pcs resource list
pcs resource group add	Creates a resource group	pcs resource group add group_name resource_id [resource_id] ... [resource_id] [--before resource_id --after resource_id]
pcs resource group remove	Removes a resource group	pcs resource group remove group_name resource_id...
pcs resource group list	Lists all currently configured resource groups	pcs resource group list

Managing Cluster Resources

Command	Description	Syntax
pcs resource status	Displays a list of all configured resources	pcs resource status
pcs resource config	Displays the configured parameters for a resource	pcs resource config resource_id
	Re-creates configured cluster resources on a different system	pcs resource config --output-format=cmd
pcs resource update	Modify the parameters of a configured resource	pcs resource update resource_id [resource_options]
pcs resource cleanup	Clears failure status of cluster resource	pcs resource cleanup resource_id
pcs resource move	Manually move resources from its current node	pcs resource move resource_id [destination_node] [--master] [lifetime=lifetime]
pcs resource relocate run	Manually move resource to its preferred location	pcs resource relocate run [resource1] [resource2] ...
pcs resource disable	Manually stop running a resource	pcs resource disable resource_id [--wait[=n]]
pcs resource enable	Manually enables the cluster to start a resource	pcs resource enable resource_id [-wait[=n]]
pcs resource ban	Prevents a resource from running on a particular node	pcs resource ban resource_id [node] [--master] [lifetime=lifetime] [--wait[=n]]