



Cluster Exec Mode Command Reference

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cluster

Displays the cluster details.

Command Modes Exec

Syntax Description `show cluster`

Usage Guidelines Use this command to view the cluster details.

cluster configmaps

Displays the current configuration maps.

Command Modes Exec

Syntax Description `show cluster configmaps namespace configmap_name detail`

configmap_name

Specify the configuration map name.

Must be a string.

namespace

Specify the configmap namespace.

Must be a string.

Usage Guidelines Use this command to view the current configuration maps.

cluster configmaps detail

Displays configmap details.

Command Modes Exec

Syntax Description `cluster configmaps namespace configmap_name details`

Usage Guidelines Use this command to view configmap details.

cluster connect

Connect to and debug K8s pods and containers.

Command Modes Exec

Syntax Description `cluster connect namespace namespace pod-name pod_name container container_name`

namespace

Specify the node namespace.

Must be a string.

pod_name

Specify the pod name.

Must be a string.

container_name

Specify the container name.

Must be a string.

Usage Guidelines Use this command to connect to and debug the K8s pods and containers.

cluster ingresses

Displays the current ingresses.

Command Modes Exec

Syntax Description `show cluster ingresses namespace ingress-name ingress_name host-name host_name`

host-name *host_name*

Specify the host name.

Must be a string.

ingress-name *ingress_name*

Specify the ingress name.

Must be a string.

namespace

Specify the ingress namespace.

Must be a string.

Usage Guidelines Use this command to view the current ingresses.

cluster ingresses detail

Displays ingress details.

Command Modes Exec

Syntax Description `cluster ingresses namespace ingress-name ingress_name host-name host_name details`

Usage Guidelines Use this command to view ingress details.

cluster namespaces

Configures the current namespace.

Command Modes Exec

Syntax Description `show cluster namespaces namespace smi-application smi_application_name istio-enabled { true | false}`

istio-enabled { true | false}

Enables or disables Istio.

Must be one of the following:

- **false**
- **true**

smi-application *smi_application_name*

Specify the name of the SMI application.

Must be a string.

namespace

Specify the cluster's namespace.

Must be a string.

Usage Guidelines

Use this command to configure the current namespace.

cluster nodes

Displays the current nodes in the cluster.

Command Modes

Exec

Syntax Description

```
show cluster nodes node_name status status version version ip ip_address os-image
os_image kernel-version kernel_version container-runtime container_runtime
```

container-runtime *container_runtime*

Specify the container runtime.

Must be a string.

ip *ip_address*

Specify the node's IP address.

Must be a string.

kernel-version *kernel_version*

Specify the Kernel version.

Must be a string.

os-image *os_image*

Specify the OS image.

Must be a string.

status *status*

Specify the status of the nodes.

Must be a string.

version *version*

Specify the K8s version of the nodes.

Must be a string.

name

Specify the name of the nodes.

Must be a string.

Usage Guidelines Use this command to view the current nodes in the cluster.

cluster nodes detail

Displays node details.

Command Modes Exec

Syntax Description `cluster nodes node_name detail`

Usage Guidelines Use this command to view node details.

cluster persistent-volume-claims

Displays the current persistent volume claims.

Command Modes Exec

Syntax Description `show cluster persistent-volume-claims namespace pvc_name status volume volume capacity capacity storageclass storage_class`

capacity *capacity*

Specify the volume capacity.

Must be a string.

pvc-name* *pvc_name

Specify the persistent volume class name.

Must be a string.

status

Specify the status of the persistent volume claims.

Must be a string.

storageclass *storage_class*

Specify the storage class.

Must be a string.

volume *volume*

Specify the volume.

Must be a string.

namespace

Specify the namespace of the volume persistent claims.

Must be a string.

Usage Guidelines

Use this command to view the current persistent volume claims.

cluster persistent-volumes

Displays the current persistent volume details.

Command Modes

Exec

Syntax Description

show cluster persistent-volumes *pvc_name status*

pvc_name

Specify the persistent volume class (PVC) name.

Must be a string.

status

Specify the status of the persistent volume.

Must be a string.

Usage Guidelines

Use this command to view details of the current persistent volumes.

cluster pods

Displays the current pod details.

Command Modes

Exec

Syntax Description	<pre>show cluster pods <i>namespace</i> pod-name <i>pod_name</i> ready <i>readiness</i> status restarts start-time <i>start_time</i></pre> <p>pod-name <i>pod_name</i></p> <p>Specify the name of the pod. Must be a string.</p> <p>ready <i>readiness</i></p> <p>Specify the container readiness. Must be a string.</p> <p>restarts</p> <p>Restarts the pods. Must be an integer.</p> <p>start-time <i>start_time</i></p> <p>Specify the start time. Must be a string.</p> <p>status</p> <p>Specify the status of the pods. Must be a string.</p> <p>namespace</p> <p>Specify the namespace of the cluster services. Must be a string.</p>
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Usage Guidelines Use this command to view the current pod details.

cluster pods delete

Deletes pods.

Command Modes Exec

Syntax Description

```
cluster pods namespace pod_name delete
```

Usage Guidelines Use this command to delete pods.

cluster pods detail

Displays pod details.

Command Modes Exec

Syntax Description `cluster pods namespace pod_name detail`

Usage Guidelines Use this command to view pod details.

cluster services

Displays the current services in the cluster.

Command Modes Exec

Syntax Description `show cluster services namespace service-name service_name cluster-ip cluster_ip external-ips external_ips`

cluster-ip cluster_ip

Specify the IP address of the cluster.

Must be a string.

external-ips external_ips

Specify the external IPs.

Must be a string.

service-name service_name

Specify the service name.

Must be a string.

namespace

Specify the namespace of the cluster services.

Must be a string.

Usage Guidelines Use this command to view the current services in the cluster.

cluster services detail

Displays cluster service details.

Command Modes Exec

Syntax Description `cluster services namespace service_name detail`

Usage Guidelines Use this command to view cluster service details.

