network ipspace commands

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Table of Contents

network ipspace commands . . . 1
network ipspace create . . . 1
network ipspace delete . . . 1
network ipspace rename . . . 2
network ipspace show . . . 3

network ipspace commands

network ipspace create

Create a new IPspace

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

IPspaces are distinct IP address spaces in which Storage Virtual Machines (SVMs) reside. The "Cluster" IPspace and "Default" IPspace are created by default. You can create more custom IPspaces when you need your SVMs to have overlapping IP addresses, or you need more control over networking configurations for cluster peering. Please reference the "Network Management Guide" for the limit of how many custom IPspaces are supported on your system..

Parameters

`-ipspace <IPspace>` - IPspace name

The name of the IPspace to be created.

- The name must contain only the following characters: A-Z, a-z, 0-9, ".", "-" or "_".
- The first character of each label, delimited by ".", must be one of the following characters: A-Z or a-z.
- The last character of each label, delimited by ".", must be one of the following characters: A-Z, a-z or 0-9.
- The maximum supported length is 47 characters.
- The system reserves the following names: "all", "local" and "localhost".
- The system provides the following IPspaces: "Cluster" and "Default".

Examples

The following example creates IPspace "ips1".

```
cluster1::> network ipspace create -name ips1
```

network ipspace delete

Delete an IPspace

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

Delete an IPspace that contains no ports or Vservers.

Parameters

`-ipspace <IPspace>` - IPspace name

The name of the IPspace to be deleted. If the IPspace is associated with one or more logical-interfaces, you must delete them before you can delete the IPspace.

Examples

The following example deletes the IPspace "ips1".

```
cluster1::> network ipspace delete -ipspace ips1
```

network ipspace rename

Rename an IPspace

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

Rename an IPspace.

Parameters

`-ipspace <IPspace>` - IPspace name

The name of the IPspace to be renamed.

`-new-name <IPspace>` - New Name

The new name for the IPspace.

- The name must contain only the following characters: A-Z, a-z, 0-9, ".", "-" or "_".
- The first character of each label, delimited by ".", must be one of the following characters: A-Z or a-z.
- The last character of each label, delimited by ".", must be one of the following characters: A-Z, a-z or 0-9.
- The maximum supported length is 47 characters.
- The system reserves the following names: "all", "cluster", "local" and "localhost".

Examples

The following example renames IPspace "ips1" to "ips2".

```
cluster1::> network ipspace rename -ipspace ips1 -new-name ips2
```

network ipspace show

Display IPspace information

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

Display network IPspaces.

Parameters

{ [-fields <fieldname>,…]
Specify the fields to be displayed for each IPspace.

| [-instance] }
Display all parameters of the IPspace objects.

[-ipspace <IPspace>] - IPspace name
Display the names of the IPspaces.

[-ports [node>:<port],…] - Ports
The list of network ports assigned to each IPspace.

[-broadcast-domains <Broadcast Domain>,…] - Broadcast Domains
The list of broadcast domains that belong to the IPspace.

[-vservers <vserver name>,…] - Vservers
The list of Vservers assigned to each IPspace.

Examples

The following example displays general information about IPspaces.

```
cluster1::> network ipspace show
IPspace             Vserver List                  Broadcast Domains
------------------- ----------------------------
----------------------------
Cluster
                    Cluster                       -
Default
                    cluster1, vs1, vs2            br1, br2, br3
2 entries were displayed.
```

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