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system switch commands

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system switch commands

system switch ethernet configure-health-monitor

Ethernet switch health monitor configuration file setup.

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

Description

The system switch ethernet configure-health-monitor command downloads an Ethernet switch's health monitor configuration file in the ZIP format, which contains the XML file and a signed version file. After download, ONTAP will check the signed file. If valid, the Ethernet switch health monitor restarts to use the new Ethernet switch health monitor configuration file.

Parameters

-node {<nodename>|local} - Node (privilege: advanced)

This specifies the node or nodes on which the Ethernet switch health monitor configuration file is to be updated.

-package-url <text> - Package URL (privilege: advanced)

This parameter specifies the URL that provides the location of the package to be downloaded. Standard URL schemes, including HTTP, HTTPS, FTP and FILE, are accepted.

Examples

The following example downloads Ethernet switch health monitor configuration file to node1 from a web server and enables Ethernet switch health monitor to process it:

```
cluster1::*> system switch ethernet configure-health-monitor -node node1
-package-url
http://example.com/hm_config.zip
```

system switch ethernet create

Add information about an Ethernet switch (cluster, management or storage).

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

Description

The system switch ethernet create command adds information about an Ethernet switch (cluster, management or storage). The Ethernet switch health monitor uses this information to monitor the health of the switch.

Use this command if ONTAP cannot automatically discover a cluster, management or storage switch. ONTAP relies on the Cisco Discovery Protocol (CDP) to discover the switches. CDP is always enabled on all cluster

ports of a node by default, disabled on all non-cluster ports of a node. If the CDP is also enabled on your Ethernet switches, they will be automatically discovered.

If you want ONTAP to discover and monitor management switches, the CDP must be enabled on non-cluster ports. To verify whether the CDP is enabled or disabled, use the command system node run-node `[HTML REMOVED] node name[HTML REMOVED]-command options cdpd.enable.

Use the system switch ethernet show command to identify switches that the Ethernet switch health monitor is monitoring.

Parameters

-device <text> - Device Name

Specifies the device name of the switch that you want to monitor. ONTAP uses the device name of the switch to identify the SNMP agent with which it wants to communicate.

-address <IP Address>-IP Address

Specifies the IP address of switch's management interface.

-snmp-version {SNMPv1|SNMPv2c|SNMPv3} - SNMP Version

Specifies the SNMP version that ONTAP uses to communicate with the switch. The default is SNMPv2c.

{ -community <text> - DEPRECATED-Community String or SNMPv3 Username



This parameter is deprecated and may be removed in a future release of ONTAP. Use -community-or-username instead.

Specifies the community string for SNMPv2 authentication or SNMPv3 user name for SNMPv3 security. The default community string for SNMPv2 authentication is cshm1!.

|-community-or-username <text>-Community String or SNMPv3 Username }

Specifies the community string for SNMPv2 authentication or SNMPv3 user name for SNMPv3 security. The default community string for SNMPv2 authentication is cshm1!.

-model

{NX5010|NX5020|CAT2960|OTHER|NX5596|CN1610|CN1601|NX3132|NX5548|NX3132V|OT9332|NX 3132XL|NX3232C} - Model Number

This parameter specifies the model number of the switch. Use "OTHER" model when adding a switch that requires a switch health monitor XML configuration file, for example: BES-53248 and N9K-C92300YC switches. ONTAP also sets the model to OTHER when it automatically discovers a switch that does not support health monitoring.

-type {cluster-network|management-network|storage-network} - Switch Network
Specifies the switch type.

[-is-monitoring-enabled-admin {true|false}] - Enable Switch Monitoring Specifies the switch admin monitoring status.

Examples

cluster1::> system switch ethernet create -device SwitchA -address 1.2.3.4
-snmp-version SNMPv2c -community-or-username cshm1! -model NX55596 -type
cluster-network

Creates a new switch configuration for a switch named SwitchA.

cluster2::> system switch ethernet create -device SwitchB -address 5.6.7.8
-snmp-version SNMPv3 -community-or-username snmpv3u1 -model CN1601 -type
management-network

Creates a new switch configuration for a switch named SwitchB.

Related Links

- system node run
- system switch ethernet show

system switch ethernet delete

Delete information about an Ethernet switch (cluster, management or storage).

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

Description

The system switch ethernet delete command disables switch health monitoring for an Ethernet switch (cluster, management or storage).

Parameters

-device <text> - Device Name

Specifies the name of the switch.

[-force <true>] - Force Delete (privilege: advanced)

Specifies if the delete operation is forced.

Examples

```
cluster1::> system switch ethernet delete -device SwitchA
```

Disables monitoring for the switch named SwitchA.

```
cluster1::> system switch ethernet delete -device SwitchA -force
```

Forcefully disables monitoring for the switch named SwitchA. (privilege: advanced)

system switch ethernet modify

Modify information about an Ethernet switch's configuration

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

Description

The `system switch ethernet modify` command modifies information about an Ethernet switch (cluster, management or storage). The Ethernet switch health monitor uses this information to monitor the switch.

Parameters

-device <text> - Device Name

Specifies the device name of switch that you want to monitor.

[-address <IP Address>] - IP Address

Specifies the IP address of the switch's management interface.

[-snmp-version {SNMPv1|SNMPv2c|SNMPv3}] - SNMP Version

Specifies the SNMP version that ONTAP uses to communicate with the switch. The default is SNMPv2c.

{ [-community <text>] - DEPRECATED-Community String or SNMPv3 Username



This parameter is deprecated and may be removed in a future release of ONTAP. Use -community-or-username instead.

Specifies the community string for SNMPv2 authentication or SNMPv3 username for SNMPv3 security.

| [-community-or-username <text>] - Community String or SNMPv3 Username }

Specifies the community string for SNMPv2 authentication or SNMPv3 username for SNMPv3 security.

[-type {cluster-network|management-network|storage-network}] - Switch Network Specifies the switch type.

[-is-monitoring-enabled-admin {true|false}] - Enable Switch Monitoring Specifies the switch admin monitoring status.

Examples

cluster1::> system switch ethernet modify -device SwitchA -address 2.3.4.5

Modifies the IP address for the switch named SwitchA.

cluster1::> system switch ethernet modify -device SwitchB -snmp-version
SNMPv3 -community-or-username snmpv3u1

Modifies the SNMP parameters for the switch named SwitchB.

system switch ethernet show-all

Displays the list of switches that were added and deleted

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

Description

The system switch ethernet show-all command displays configuration details for discovered monitored Ethernet switches (cluster, management and storage), including switches that are user-deleted. From the list of deleted switches, you can delete a switch permanently from the database to re-enable automatic discovery of that switch.

Parameters

{ [-fields <fieldname>,...]

Selects the fields that have the specified name.

| [-instance] }

Selects detailed information for all the switches.

[-device <text>] - Device Name (privilege: advanced)

Selects the switches that match the specified device name.

[-address <IP Address>] - IP Address (privilege: advanced)

Selects the switches that match the specified IP address.

[-snmp-version {SNMPv1|SNMPv2c|SNMPv3}] - SNMP Version (privilege: advanced)

Selects the switches that match the specified SNMP version.

[-community <text>] - DEPRECATED-Community String or SNMPv3 Username (privilege: advanced)



This parameter is deprecated and may be removed in a future release of ONTAP. Use -community-or-username instead.

Selects the switches that match the specified community string or SNMPv3 username.

[-community-or-username <text>] - Community String or SNMPv3 Username (privilege: advanced)

Selects the switches that match the specified community string or SNMPv3 username.

[-discovered {true|false}] - Is Discovered (privilege: advanced)

Selects the switches that match the specified discovery setting.

[-type {cluster-network|management-network|storage-network}] - Switch Network (privilege: advanced)

Selects the switches that match the specified switch type.

[-sw-version <text>] - Software Version (privilege: advanced)

Selects the switches that match the specified software version.

[-is-monitoring-enabled-operational {true|false}] - Switch Monitoring Status (privilege: advanced)

Selects the switches that match the specified operational monitoring status.

[-reason <text>] - Reason For Not Monitoring (privilege: advanced)

Selects the switches that match the specified reason.

[-version-source <text>] - Source Of Switch Version (privilege: advanced)

Selects the switches that match the specified version source (for example, from SNMP, CDP or ISDP).

[-rcf-version <text>] - Reference Config File Version (privilege: advanced)

Selects the switches that match the specified reference configuration file version.

[-serial-number <text>] - Serial Number of the Device (privilege: advanced)

Selects the switches that match the specified serial number.

[-model <text>] - Model to display (privilege: advanced)

Selects the switches that match the specified model number.

Examples

Switch	Туре	Address	Model
SwitchA	cluster	1.2.3.4	
exus5010			
Is Monitored	: yes		
Reason	:		
Software Version	: Cisco IOS 4.1N1		
Version Source	: CDP		

The example above displays the configuration of all Ethernet switches (cluster, management and storage).

system switch ethernet show

Display the configuration for Ethernet switches (cluster, management and storage).

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

Description

The system switch ethernet show command displays configuration details for the monitored Ethernet switches (cluster, management and storage).

Parameters

{ [-fields <fieldname>,...]

Selects the fields that have the specified name.

| [-snmp-config]

Displays the following information about a switch:

- Device Name
- SNMPv2c Community String or SNMPv3 Username
- SNMP Version

|[-status]

Displays the following status information about a switch:

- · Is Discovered
- SNMPv2c Community String or SNMPv3 Username
- Model Number
- Switch Network
- · Software Version
- · Reason For Not Monitoring
- · Source Of Switch Version
- · Is Monitored?

| [-instance] }

Selects detailed information for all the switches.

[-device <text>] - Device Name

Selects the switches that match the specified device name.

[-address <IP Address>] - IP Address

Selects the switches that match the specified IP address.

[-snmp-version {SNMPv1|SNMPv2c|SNMPv3}] - SNMP Version

Selects the switches that match the specified SNMP version.

[-is-discovered {true|false}] - Is Discovered

Selects the switches that match the specified discovery setting.

[-community <text>] - DEPRECATED-Community String or SNMPv3 Username



This parameter is deprecated and may be removed in a future release of ONTAP. Use -community-or-username instead.

Selects the switches that match the specified SNMPv2c community string or SNMPv3 username.

[-community-or-username <text>] - Community String or SNMPv3 Username

Selects the switches that match the specified SNMPv2c community string or SNMPv3 username.

[-model

{NX5010|NX5020|CAT2960|OTHER|NX5596|CN1610|CN1601|NX3132|NX5548|NX3132V|OT9332|NX 3132XL|NX3232C}] - Model Number

Selects the switches that match the specified model number.

[-type {cluster-network|management-network|storage-network}] - Switch Network

Selects the switches that match the specified switch type.

[-sw-version <text>] - Software Version

Selects the switches that match the specified software version.

[-reason <text>] - Reason For Not Monitoring

Selects the switches that match the specified reason.

[-version-source <text>] - Source Of Switch Version

Selects the switches that match the specified version source (for example, from SNMP, CDP or ISDP).

[-is-monitoring-enabled-operational {true|false}] - Is Monitored?

Selects the switches that match the specifed operational monitoring status.

[-serial-number <text>] - Serial Number of the Device

Selects the switches that match the specified serial number.

Examples

cluster1::> system switch ethernet show Switch Address Model cluster-network 10.238.143.234 CN1610 cn1610-143--234 Serial Number: 20211200007 Is Monitored: true Reason: Software Version: 1.1.0.1 Version Source: ISDP cn1601--143-230 management-network 10.238.143.230 CN1601 Serial Number: 20210200019 Is Monitored: false Reason: Monitoring Disabled by Default Software Version: 1.1.0.1 Version Source: ISDP cn1601--143-232 management-network 10.238.143.232 CN1601 Serial Number: 20210200017 Is Monitored: false Reason: Monitoring Disabled by Default Software Version: 1.1.0.1 Version Source: ISDP cn1610-143--231 cluster-network 10.238.143.231 CN1610 Serial Number: 20211200002 Is Monitored: true Reason: Software Version: 1.1.0.1 Version Source: ISDP

The example above displays the configuration of all Ethernet switches (cluster, management and storage).

The example above displays the SNMPv2c community string or SNMPv3 username and SNMP version for all Ethernet switches (cluster, management and storage).

system switch ethernet log collect

Collect Ethernet switch log via openSSH.

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

Description

The system switch ethernet log collect command initiates the collection of an Ethernet switch log for the specified Ethernet switch via OpenSSH.

Parameters

-device <text> - Switch Name

Specifies the Ethernet switch device for which the log collection is being made.

Examples

cluster1::> system switch ethernet log collect -device cluster-sw1

system switch ethernet log disable-collection

Disable Ethernet switch log collection via openSSH.

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

Description

The system switch ethernet log disable-collection command disables the collection of Ethernet switch logs via OpenSSH.

Examples

cluster1::> system switch ethernet log disable-collection

system switch ethernet log enable-collection

Enable Ethernet switch log collection via openSSH.

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

Description

The system switch ethernet log enable-collection command enables the collection of Ethernet switch logs via OpenSSH.

Examples

cluster1::> system switch ethernet log enable-collection

system switch ethernet log modify

Modify the Ethernet switch log request.

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

Description

The system switch ethernet log modify command modifies the log request of the specified Ethernet switch

Parameters

-device <text> - Switch Name

Specifies the Ethernet switch device for which the log request is being made. Note: the device must be one of the devices listed as an Ethernet switch from the system switch ethernet show command. The full device name from the system switch ethernet show command must be used.

[-log-request {true|false}] - Requested Log

Specifies the initiation of a switch log retrieval for the specified Ethernet switch if set to true.

Examples

```
cluster1::> system switch ethernet log modify -device switch-
name01(Switch---SN) -log-request true
```

Modifies the log request for the specified Ethernet switch. Setting the log-request to true initiates an Ethernet switch log retrieval for the specified switch.

Related Links

· system switch ethernet show

system switch ethernet log setup-password

Obtain Ethernet switch admin passwords.

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

Description

The system switch ethernet log setup-password command allows the administrator to set up Ethernet switch health monitor access to certain Ethernet switches, so that switch logs can be collected.

Examples

Enables setup of switch log collection for the specified Ethernet switch.

system switch ethernet log show

Display Ethernet switch log information.

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

Description

The system switch ethernet log show command displays the status and requests for Ethernet switch logs.

Parameters

{ [-fields <fieldname>,...]

If you specify the -fields <fieldname>, ... parameter, the command output also includes the specified field or fields. You can use '-fields?' to display the fields to specify.

| [-instance] }

Specifies an instance of the Ethernet switch devices log status.

[-device <text>] - Switch Name

Specifies the name of the Ethernet switch device to display log status on.

[-log-request {true|false}] - Requested Log

Specifies the state of the log request for an Ethernet switch device. Values: true, false.

[-log-status <text>] - Log Status

Specifies the status of the log request for an Ethernet switch device.

[-log-timestamp <MM/DD/YYYY HH:MM:SS>] - Log Timestamp

Specifies the completion timestamp of the log request for an Ethernet switch device.

[-idx <integer>] - Index

Specifies the index of the Ethernet switch device.

[-filename <text>] - Filename

Specifies the full filename of the Ethernet switch log.

[-filenode <text>] - File Node

Specifies the name of the controller on which the Ethernet switch log resides.

Examples

Displays the Ethernet switches, their last log timestamp, and the status of the last log request.

system switch ethernet polling-interval modify

Modify the polling interval for Ethernet switch health

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

Description

The system switch ethernet polling-interval modify command modifies the interval in which the Ethernet switch health monitor polls cluster, management and storage switches.

Parameters

[-polling-interval <integer>] - Polling Interval

Specifies the interval in which the health monitor polls switches. The interval is in minutes. The default value is 5. The allowed range of values is 2 to 120.

Examples

```
cluster1::> system switch ethernet polling-interval modify -polling -interval 41
```

Modifies the polling interval of the switches.

system switch ethernet polling-interval show

Display the polling interval for monitoring Ethernet switch health

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

Description

The system switch ethernet polling-interval show command displays the polling interval used by the Ethernet switch health monitor.

Examples

```
cluster1::> system switch ethernet polling-interval show
Polling Interval (in minutes): 40
```

The example above displays the polling interval period for the switches.

system switch ethernet threshold show

Display the Ethernet switch health monitor alert thresholds

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

Description

The system switch ethernet threshold show command displays thresholds used by health monitor alerts.

Examples

```
cluster1::> system switch ethernet threshold show
   Per 0.10% values: 1 = 0.10%, 5 = 0.50%
   Entity-alert Threshold is the count needed to raise entity warning alert

In Errors Threshold (%) Out Errors Threshold (%) Entity-alert Threshold

1 1 2
```

Displays the inbound and outbound switch interface packet error thresholds are set at 0.1%. Also, displays threshold value for entity warning alerts. The node platform health monitor also shares the same thresholds in monitoring packet errors of cluster ports on the node.

system switch fibre-channel add

Add a back-end fibre-channel switch for monitoring

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

Description

The system switch fibre-channel add command enables you to add fibre-channel (FC) switches for SNMP monitoring in a MetroCluster configuration. Front end switches should not be added for monitoring and will result in a Monitor Status Error condition.

Parameters

-address <IP Address> - FC Switch Management IP Address

This parameter specifies the IP address of the back-end FC switch that is added for monitoring.

[-snmp-version {SNMPv1|SNMPv2c|SNMPv3}] - Supported SNMP Version

This parameter specifies the SNMP version that ONTAP uses to communicate with the back-end FC switch that is added for monitoring. The default SNMP version is SNMPv2c.

[-snmp-community-or-username <text>] - SNMPv2c Community or SNMPv3 Username

This parameter specifies the SNMPv2c community set or SNMPv3 username on the switch that is added for monitoring.

[-veto-backend-fabric-check {true|false}] - Veto Back-end Fabric Check? (privilege: advanced)

If specified, the system switch fibre-channel add command will not check if the switch is present in the MetroCluster's back-end fabric. By default, it does not let you add switches that are not present.

[-blades <integer>,...] - Cisco Director Class Switch Blades to Monitor

This parameter specifies the blades to monitor on the back-end switch that is added for monitoring. It is only applicable to director-class switches.

Examples

The following command adds a back-end switch with IP Address 10.226.197.34 for monitoring:

```
cluster1::> system switch fibre-channel add -address 10.226.197.34 -snmp
-community-or-username public
cluster1::> system switch fibre-channel show
               Symbolic
                                                         Ιs
Monitor
              Name Vendor Model Switch WWN
                                                       Monitored
   Switch
Status
   Cisco 10.226.197.34
              mcc-cisco-8Gb-fab-4
                      Cisco DS-C9148-16P-K9
                                         2000547fee78f088 true
                                                                  ok
   mcc-cisco-8Gb-fab-1
              mcc-cisco-8Gb-fab-1
                      Cisco -
                                                        false
   mcc-cisco-8Gb-fab-2
              mcc-cisco-8Gb-fab-2
                      Cisco -
                                                         false
   mcc-cisco-8Gb-fab-3
              mcc-cisco-8Gb-fab-3
                       Cisco -
                                                         false
   4 entries were displayed.
cluster1::>
```

The following command adds a Cisco Director Class switch for monitoring. ONTAP uses SNMPv3 and 'snmpuser1' username to communicate with this switch.

```
cluster1::> system switch fibre-channel add -address 10.228.56.208 -snmp
-version SNMPv3 -snmp-community-or-username snmpuser1 -blades 3,4
```

system switch fibre-channel modify

Modify information about a back-end fibre-channel switch's configuration

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

Description

The system switch fibre-channel modify command enables you to modify certain parameters for identifying and accessing the back-end fibre-channel (FC) end switches added for monitoring in a MetroCluster configuration.

Parameters

-switch-name <text> - FC Switch Name

This parameter specifies the name of the switch.

[-snmp-version {SNMPv1|SNMPv2c|SNMPv3}] - SNMP Version

This parameter specifies the SNMP version that ONTAP uses to communicate with the switch.

[-switch-ipaddress <IP Address>] - Switch IP Address

This parameter specifies the IP address of the switch.

[-snmp-community-or-username <text>] - SNMPv2c Community or SNMPv3 Username

This parameter specifies the SNMPv2c community set or SNMPv3 username on the switch.

[-blades <integer>,...] - Director-Class Switch Blades to Monitor

This parameter specifies the blades to monitor on the switch. It is only applicable to director-class switches.

Examples

The following command modifies Cisco_10.226.197.34 switch SNMP community to 'public':

```
cluster1::> system switch fibre-channel modify -switch-name
Cisco_10.226.197.34 -switch-ipaddress 10.226.197.34 -snmp-community-or
-username public
cluster1::>
```

The following command modifies the blades monitored on a director-class switch:

```
cluster1::> system switch fibre-channel modify -switch-name
Cisco_10.228.56.208 -blades 3,4
cluster1::>
```

The following command modifies Brocade 6505 switch SNMP version to SNMPv3 and SNMPv3 username to 'snmpuser1':

```
cluster1::> system switch fibre-channel modify -switch-name Brocade6505
-switch-ipaddress 10.226.197.34 -snmp-version SNMPv3 -snmp-community-or
-username snmpuser1
    cluster1::>
```

system switch fibre-channel refresh

Refresh back-end fibre-channel switch info

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

Description

The system switch fibre-channel refresh command triggers a refresh of the SNMP data for the MetroCluster fibre-channel (FC) switches and FC-to-SAS bridges. It does not do anything if the refresh is already going on. The FC switches and FC-to-SAS bridges must have been previously added for monitoring by using the system switch fibre-channel add and system bridge add commands, respectively.

Examples

The following command triggers a refresh for the FC switch and FC-to-SAS bridge data:

```
cluster1::*> system switch fibre-channel refresh
cluster1::*>
```

Related Links

- · system switch fibre-channel add
- · system bridge add

system switch fibre-channel remove

Remove a back-end fibre-channel switch from monitoring

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

Description

The system switch fibre-channel remove command enables you to remove back-end fibre-channel (FC) switches that were previously added for SNMP monitoring.

Parameters

```
-switch-name <text> - FC Switch Name
```

This parameter specifies the name of the back-end FC switch added for monitoring.

Examples

The following command removes 'Cisco 10.226.197.34' switch from monitoring:

	Symboli	С			Is	
onitor Switch	Name	Vendor	Model	Switch WWN	Monitored	
tatus						
Cisco 10.2	26 197 34					
01300_10.2		co-8Gb-fa	ab-4			
		Cisco	DS-C9148	-16P-K9		
				2000547fee78f088	true	ok
mcc-cisco-	-8Gb-fab-1					
	mcc-cis	co-8Gb-fa	ab-1			
		Cisco	-	-	false	-
mcc-cisco-						
	mcc-cis	co-8Gb-fa	ab-2			
		Cisco	-	-	false	-
mcc-cisco-						
	mcc-cis	co-8Gb-fa				
	were disp	Cisco	_	-	false	-
_	-	ch fibre-	-channel r	emove -switch-name		
luster1::> sy isco_10.226.1 luster1::> sy	197.34	ch fibre-			Is	
isco_10.226.1	l97.34 ystem swit	ch fibre-				
isco_10.226.1 luster1::> sy conitor Switch	l97.34 ystem swit	ch fibre- c		how	Is Monitored	
isco_10.226.1 luster1::> sy	197.34 ystem swite Symbolie	ch fibre- c	-channel s	how		
isco_10.226.1 luster1::> sy conitor Switch	197.34 ystem swite Symbolie	ch fibre- c	-channel s	how		
isco_10.226.1 luster1::> sy fonitor Switch tatus	197.34 ystem swite Symbolie Name	ch fibre- c	-channel s	how		
isco_10.226.1 luster1::> sy conitor Switch	Name -8Gb-fab-4	ch fibre- c Vendor	-channel s Model	how		
isco_10.226.1 luster1::> sy fonitor Switch tatus	Name -8Gb-fab-4	ch fibre- c	-channel s Model	how		
isco_10.226.1 luster1::> sy fonitor Switch tatus	Name -8Gb-fab-4	ch fibre- c Vendor 	-channel s Model	how		_
isco_10.226.1 luster1::> sy fonitor Switch tatus	Name -8Gb-fab-4 mcc-cise	ch fibre- c Vendor 	-channel s Model	how	Monitored	_
isco_10.226.1 luster1::> sy conitor Switch tatus mcc-cisco-	Name -8Gb-fab-4 mcc-cise	ch fibre- c Vendor 	Model ab-4	how	Monitored	_
isco_10.226.1 luster1::> sy conitor Switch tatus mcc-cisco-	Name -8Gb-fab-4 mcc-cise	ch fibre-c Vendor co-8Gb-fa Cisco	Model ab-4	how	Monitored	_
isco_10.226.1 luster1::> sy conitor Switch tatus mcc-cisco-	Name -8Gb-fab-4 mcc-cise mcc-cise	ch fibre-c Vendor co-8Gb-fa Cisco	Model ab-4	how	Monitored	-
isco_10.226.1 luster1::> sy conitor Switch tatus mcc-cisco- mcc-cisco-	Name -8Gb-fab-4 mcc-cise -8Gb-fab-1 mcc-cise	ch fibre-c Vendor co-8Gb-fa Cisco	Model ab-4 - ab-1 -	how	Monitored	_
isco_10.226.1 luster1::> sy donitor Switch tatus	Name -8Gb-fab-4 mcc-cise -8Gb-fab-2 mcc-cise	ch fibre-c Vendor co-8Gb-fa Cisco co-8Gb-fa	Model Model ab-4 ab-1 ab-1 ab-2	how	Monitored	
isco_10.226.1 luster1::> sy conitor Switch tatus mcc-cisco- mcc-cisco-	Name8Gb-fab-4 mcc-cise -8Gb-fab-2 mcc-cise	Ch fibre-C Vendor Co-8Gb-fa Cisco Co-8Gb-fa Cisco Co-8Gb-fa	Model Model ab-4 ab-1 ab-2 -	how	Monitored false	-
isco_10.226.1 luster1::> sy donitor Switch tatus	Name8Gb-fab-4 mcc-cise -8Gb-fab-2 mcc-cise	ch fibre-c Vendor Vendor co-8Gb-fa Cisco co-8Gb-fa Cisco co-8Gb-fa Cisco	Model Model ab-4 ab-1 ab-2 -	how	Monitored false false false	-
isco_10.226.1 luster1::> sy Monitor Switch tatus mcc-cisco- mcc-cisco- mcc-cisco-	Name8Gb-fab-4 mcc-cise -8Gb-fab-2 mcc-cise	Ch fibre- C Vendor Co-8Gb-fa Cisco Co-8Gb-fa Cisco Co-8Gb-fa Cisco Co-8Gb-fa Cisco	Model Model ab-4 ab-1 ab-2 -	how	Monitored false	-

system switch fibre-channel show

Display back-end fibre-channel switch information

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

Description

The system switch fibre-channel show command displays information about all the back-end fibre-channel (FC) switches in the MetroCluster configuration. The back-end switches must have been previously added for monitoring using the system switch fibre-channel add command. If no parameters are specified, the default command displays the following information about the back-end FC switches:

- Switch
- · Symbolic Name
- Vendor
- Model
- Switch WWN
- · Is Monitored
- Monitor Status

To display detailed profile information about a single back-end FC switch, use the -switch-name parameter.

Parameters

{ [-fields <fieldname>,...]

Displays the specified fields for all the back-end FC switches, in column-style output.

| [-connectivity]

Displays the following details about the connectivity from the back-end FC switch to connected entities:

- Port name
- Port operating mode
- · Port world wide name
- · Peer port world wide name
- Peer type
- · Additional information about peer

Displays the following details about the connectivity from the node to the back-end FC switch:

- Node name
- · Adapter name
- · Switch port name
- · Switch port speed
- · Adapter type

|[-cooling]

Displays the following details about the fans and temperature sensors on the back-end FC switch:

- Fan name
- Fan speed in rotations per minute (RPM)
- Fan operational status
- · Temperature sensor name
- Temperature sensor reading in Celsius ©
- · Temperature sensor status

|[-error]

Displays the errors related to the back-end FC switch.

|[-port]

Displays the following details about the back-end FC switch ports:

- Port name
- · Port world wide name
- · Port administrative status
- · Port operational status
- · Port operating mode
- Whether SFP is present in the port
- Port speed in gigabits per second (Gbps)
- · Port BB credit
- · Peer port world wide name

|[-power]

Displays the following details about the back-end FC switch power supplies:

- · Power supply name
- · Power supply serial number
- · Power supply operational status

[-san-config]

Displays the following details about the Virtual Storage Area Networks (VSAN) and Zones of the back-end FC switch:

- · VSAN identifier
- VSAN name
- · VSAN operational status
- · Type of load balancing configured for the VSAN
- · Where in-order-delivery set for the VSAN
- · Whether the auto power reset of the PSU is enabled

- · VAN member switch name and port
- Zone name
- VSAN ID of the zone
- Zone member switch name and port
- · Zone member port id
- · Zone member port world wide name

|[-sfp]

Displays the following details about the back-end FC switch ports small form-factor pluggable (SFP):

- · Port name
- · Type of SFP
- · SFP transmitter type
- · SFP vendor
- · SFP part number
- SFP serial number

|[-stats]

Displays the following details about the back-end FC switch ports:

- · Port name
- Frames received through the port (Rx Frames)
- Frames transmitted through the port (Tx Frames)
- Octets received through the port (Rx Octets)
- Octets transmitted through the port (Tx Octets)
- · Port error frames

| [-instance] }

Displays expanded information about all the back-end FC switches in the system. If a back-end FC switch is specified, then this parameter displays the same detailed information for the back-end FC switch you specify as does the -switch-name parameter.

[-switch-name <text>] - FC Switch Name

Displays information only about the back-end FC switches that match the name you specify.

[-switch-wwn <text>] - Switch World Wide Name

Displays information only about the back-end FC switches that match the switch wwn you specify.

[-switch-symbolic-name <text>] - Switch Symbolic Name

Displays information only about the back-end FC switches that match the switch symbolic name you specify.

[-switch-fabric-name <text>] - Fabric Name

Displays information only about the back-end FC switches that match the switch fabric you specify.

[-domain-id <integer>] - Switch Domain ID

Displays information only about the back-end FC switches that match the switch domain id you specify.

[-switch-role {unknown|primary|subordinate}] - Switch Role in Fabric

Displays information only about the back-end FC switches that match the switch role you specify.

[-snmp-version {SNMPv1|SNMPv2c|SNMPv3}] - SNMP Version

Displays information only about the back-end FC switches that match the switch SNMP version you specify.

[-switch-model <text>] - Switch Model

Displays information only about the back-end FC switches that match the switch model you specify.

[-switch-vendor {unknown|Brocade|Cisco}] - Switch Vendor

Displays information only about the back-end FC switches that match the switch vendor you specify.

[-fw-version <text>] - Switch Firmware Version

Displays information only about the back-end FC switches that match the switch firmware version you specify.

[-serial-number <text>] - Switch Serial Number

Displays information only about the back-end FC switches that match the switch serial number you specify.

[-switch-ipaddress <IP Address>] - Switch IP Address

Displays information only about the back-end FC switches that match the switch IP address you specify.

[-switch-status {unknown|ok|error}] - Switch Status

Displays information only about the back-end FC switches that match the switch status you specify.

[-snmp-community-or-username <text>] - SNMPv2c Community or SNMPv3 Username

Displays information only about the back-end FC switches that match the switch SNMPv2c community or SNMPv3 username you specify.

[-profile-data-last-successful-refresh-timestamp {MM/DD/YYYY HH:MM:SS [{+|-}}hh:mm]}] - Switch Profile Data Last Successful Refresh Timestamp

Displays information only about the back-end FC switches that match the profile data last successful refresh timestamp you specify.

[-is-monitoring-enabled {true|false}] - Is Monitoring Enabled for Switch

Displays information only about the back-end FC switches that match the switch monitoring value you specify.

[-blades <integer>,...] - Director-Class Switch Blades to Monitor

Displays information only about the back-end FC switches that match the blade value you specify.

[-engine-id <Hex String>] - Engine ID of SNMPv3 Capable Switch

Displays information only about the back-end FC switches that match the SNMPv3 engine-id you specify.

[-psu-name-list <text>,...] - Switch Power Supply Name List

Displays information only about the back-end FC switches that have the power supply units with the names

you specify.

[-psu-serial-number-list <text>,...] - Switch Power Supply Serial Number List

Displays information only about the back-end FC switches that have the power supply units with the serial numbers you specify.

[-psu-status-list {unknown|normal|warning|faulty|not-present}] - Switch Power Supply Status List

Displays information only about the back-end FC switches that have the power supply units with the statuses you specify.

[-psu-data-last-successful-refresh-timestamp {MM/DD/YYYY HH:MM:SS [{+|-}hh:mm]}] - Switch Power Supply Data Last Successful Refresh Timestamp

Displays information only about the back-end FC switches that match the power supply unit data last successful refresh timestamp you specify.

[-temp-sensor-name-list <text>,...] - Switch Temperature Sensor Name List

Displays information only about the back-end FC switches that have the temperature sensors with the names you specify.

[-temp-sensor-reading-list <integer>,...] - Switch Temperature Sensor Reading © List

Displays information only about the back-end FC switches that have the temperature sensors with the readings you specify.

[-temp-sensor-status-list {unknown|normal|warning|critical}] - Switch Temperature Sensor Status List

Displays information only about the back-end FC switches that have the temperature sensors with the statuses you specify.

[-temp-data-last-successful-refresh-timestamp {MM/DD/YYYY HH:MM:SS [{+|-}hh:mm]}] - Switch Temperature Sensor Data Last Successful Refresh Timestamp

Displays information only about the back-end FC switches that match the temperature sensor data last successful refresh timestamp you specify.

[-fan-name-list <text>,...] - Switch Fan Name List

Displays information only about the back-end FC switches that match the fans with the names you specify.

[-fan-rpm-list <integer>,...] - Switch Fan Speed (RPM) List

Displays information only about the back-end FC switches that match the fans with the RPM speeds you specify.

[-fan-status-list {unknown|operational|failed|not-operational|not-present}] - Switch Fan Operational Status List

Displays information only about the back-end FC switches that match the fans with the statuses you specify.

[-fan-data-last-successful-refresh-timestamp {MM/DD/YYYY HH:MM:SS [{+|-}hh:mm]}] - Switch Fan Data Last Successful Refresh Timestamp

Displays information only about the back-end FC switches that match the fan data last successful refresh timestamp you specify.

[-vsan-index-list <integer>,...] - Switch VSAN Index List

Displays information only about the back-end FC switches that have the VSANs with the indexes you specify.

[-vsan-name-list <text>,...] - Switch VSAN Name List

Displays information only about the back-end FC switches that have the VSANs with the names you specify.

[-vsan-oper-status-list {up|down}] - Switch VSAN Operational Status List

Displays information only about the back-end FC switches that have the VSANs with the operational statuses you specify.

[-vsan-load-balancing-type-list {src-id-dest-id|src-id-dest-id-ox-id}] - Switch VSAN Load balancing Type List

Displays information only about the back-end FC switches that have the VSANs with the load balancing types you specify.

[-is-vsan-iod-list {true|false}] - Is In-order Delivery Set for VSAN List

Displays information only about the back-end FC switches that have the VSANs with the IOD setting you specify.

[-vsan-data-last-successful-refresh-timestamp {MM/DD/YYYY HH:MM:SS [{+|-}hh:mm]}] - Switch VSAN Data Last Successful Refresh Timestamp

Displays information only about the back-end FC switches that match the VSAN data last successful refresh timestamp you specify.

[-member-switch-name-list <text>,...] - Member Switch List

Displays information only about the back-end FC switches that have the VSANs with the member switch names you specify.

[-member-switch-port-name-list <text>,...] - Member Switch Port Name List

Displays information only about the back-end FC switches that have the VSANs with the memeber switch port names you specify.

[-vsan-id-list <integer>,...] - Zone VSAN ID List

Displays information only about the back-end FC switches that have the VSANs with the IDs you specify.

[-zone-name-list <text>,...] - Switch Zone Name List

Displays information only about the back-end FC switches that have the zones with the names you specify.

[-zone-member-sw-domain-id-list <integer>,...] - Zone Member Switch Port Domain ID List

Displays information only about the back-end FC switches that have the zones with the member switch domain ids you specify.

[-zone-member-port-name-list <text>,...] - Zone Member Port List

Displays information only about the back-end FC switches that have the zones with the port names you specify.

[-zone-member-port-wwn-list <text>,...] - Zone Member WWPN List

Displays information only about the back-end FC switches that have the zones with the port WWNs you

specify.

[-zone-member-port-switch-name-list <text>,...] - Zone Member Switch WWN List

Displays information only about the back-end FC switches that have the zones with the member port hosting switch names you specify.

[-zone-data-last-successful-refresh-timestamp {MM/DD/YYYY HH:MM:SS [{+|-}hh:mm]}] - Switch Zone Data Last Successful Refresh Timestamp

Displays information only about the back-end FC switches that match the zone data last successful refresh timestamp you specify.

[-zone-member-wwn-list <text>,...] - Zone Member WWN List

Displays information only about the back-end FC switches that have the zones with the member WWNs you specify.

[-zone-member-port-id-list <text>,...] - Zone Member Port ID List

Displays information only about the back-end FC switches that have the zones with the member port ids you specify.

[-port-wwn-list <text>,...] - Switch Port World Wide Name (WWPN) List

Displays information only about the back-end FC switches that have the ports with the WWNs you specify.

[-port-name-list <text>,...] - Switch Port Name List

Displays information only about the back-end FC switches that have the ports with the names you specify.

[-port-admin-status-list {unknown|enabled|disabled}] - Switch Port Admin Status List

Displays information only about the back-end FC switches that have the ports with administrative statuses you specify.

[-port-oper-status-list {unknown|online|offline}] - Switch Port Operational Status List

Displays information only about the back-end FC switches that have the ports with operational statuses you specify.

[-port-mode-list {unknown|auto|F-port|FL-port|E-port|TE-port|U-port|G-port|other|EX-port|D-port|SIM-port|VE-port|AE-port|AF-port}] - Switch Port Mode List

Displays information only about the back-end FC switches that have the ports with the operating modes you specify.

[-port-oper-speed-list <integer>,...] - Switch Port Current Speed (in Gbits/sec) List

Displays information only about the back-end FC switches that have the ports with the operational speeds you specify.

[-port-bb-credit-list <integer>,...] - Switch Port BB Credit List

Displays information only about the back-end FC switches that have the ports with the BB credits you specify.

[-port-sfp-present-list {true|false}] - Switch Port Is SFP Present List

Displays information only about the back-end FC switches that have the ports with the SFP present values you specify.

[-port-peer-wwpn-list <text>,...] - Switch Port Peer WWPN List

Displays information only about the back-end FC switches that have the ports with the peer port WWPNs you specify.

[-port-data-last-successful-refresh-timestamp {MM/DD/YYYY HH:MM:SS [{+|-}hh:mm]}] - Switch Port Data Last Successful Refresh Timestamp

Displays information only about the back-end FC switches that match the port data last successful refresh timestamp you specify.

[-port-stat-name-list <text>,...] - Switch Port Name List

Displays information only about the back-end FC switches that have the ports with the names you specify.

[-port-tx-frames-list <integer>,...] - Switch Port Transmitted Frame Count List

Displays information only about the back-end FC switches that have the ports with the transmitted frames values you specify.

[-port-rx-frames-list <integer>,...] - Switch Port Received Frame Count List

Displays information only about the back-end FC switches that have the ports with the received frames values you specify.

[-port-tx-octets-list <integer>,...] - Switch Port Total Transmitted Octets List

Displays information only about the back-end FC switches that have the ports with the transmitted octets values you specify.

[-port-rx-octets-list <integer>,...] - Switch Port Total Received Octets List

Displays information only about the back-end FC switches that have the ports with the received octets values you specify.

[-port-frame-error-list <integer>,...] - Switch Port Frame Error Count List

Displays information only about the back-end FC switches that have the ports with the error frame values you specify.

[-port-stat-data-last-successful-refresh-timestamp {MM/DD/YYYY HH:MM:SS [{+|-}}hh:mm]}] - Switch Port Stat Data Last Update Timestamp

Displays information only about the back-end FC switches that match the port statistics data last successful refresh timestamp you specify.

[-sfp-port-name-list <text>,...] - Switch Port Name List

Displays information only about the back-end FC switches that have the ports with the names you specify.

[-sfp-type-list {unknown|other|gbic|embedded|glm|gbic-with-serial-id|gbic-without-serial-id|sfp-with-serial-id|sfp-without-serial-id|xfp|x2-short|x2-medium|x2-tall|xpak-short|xpak-medium|xpak-tall|xenpak|sfp-dw-dm|qsfp|x2-dw-dm|gbic-not-installed|small-form-factor}] - Switch Port SFP Type List

Displays information only about the back-end FC switches that have the ports with the SFP types you specify.

 $[-sfp-tx-type-list $\{unknown|long-wave-laser|short-wave-laser|long-wave-laser-cost-reduced|electrical|ten-gig-base-sr|ten-gig-base-lr|ten-gig-base-er|ten-gig-base-er|ten-gig-base-lx4|ten-gig-base-sw|ten-gig-base-lw|ten-gig-base-ew}]$ - Switch Port SFP Transmitter Type List$

Displays information only about the back-end FC switches that have the ports with the SFP transmitter types you specify.

[-sfp-vendor-list <text>,...] - Switch Port SFP Vendor List

Displays information only about the back-end FC switches that have the ports with the SFP vendors you specify.

[-sfp-part-number-list <text>,...] - Switch Port SFP Part Number List

Displays information only about the back-end FC switches that have the ports with the SFP part numbers you specify.

[-sfp-serial-number-list <text>,...] - Switch Port SFP Serial Number List

Displays information only about the back-end FC switches that have the ports with the SFP serial numbers you specify.

[-sfp-data-last-successful-refresh-timestamp {MM/DD/YYYY HH:MM:SS [{+|-}hh:mm]}] - Switch Port SFP Data Last Successful Refresh Timestamp

Displays information only about the back-end FC switches that match the port SFP data last successful refresh timestamp you specify.

[-switch-error-text-list <text>,...] - Switch Error Text List

Displays information only about the back-end FC switches that have the errors you specify.

[-conn-switch-port-name-list <text>,...] - Switch Port Name List

Displays information only about the back-end FC switches that have the ports with the names you specify.

[-conn-switch-port-mode-list {unknown|auto|F-port|FL-port|E-port|U-port|G-port|other|EX-port|D-port|SIM-port|VE-port|AE-port|AF-port}] - Switch Port Operating Mode List

Displays information only about the back-end FC switches that have the ports with the operating modes you specify.

[-conn-switch-port-wwn-list <text>,...] - Switch Port WWN List

Displays information only about the back-end FC switches that have the ports with the WWNs you specify.

[-conn-switch-port-peer-port-wwn-list <text>,...] - Switch Port Peer Port WWN List

Displays information only about the back-end FC switches that have the ports with the peer port WWNs you specify.

[-conn-switch-port-peer-info-list <text>,...] - Switch Port Peer Host & Port Name List

Displays information only about the back-end FC switches that have the ports with the peer information values you specify.

[-conn-data-last-successful-refresh-timestamp {MM/DD/YYYY HH:MM:SS [{+|-}hh:mm]}] - Switch Connectivity Data Last Successful Refresh Timestamp

Displays information only about the back-end FC switches that match the switch connectivity data last successful refresh timestamp you specify.

[-conn-switch-port-peer-type-list {unknown|bridge|switch|fcp-adapter|fcvi-adapter}] - Switch Port Peer Type List

Displays information only about the back-end FC switches that have the ports connected to the peer types

you specify.

[-switch-port-name-list <text>,...] - Switch Port Name List

Displays information only about the back-end FC switches that have the ports with the names you specify.

[-switch-port-speed-list <integer>,...] - Switch Port Speed (in Gbps) List

Displays information only about the back-end FC switches that have the ports with the speeds you specify.

[-node-name-list <nodename>,...] - Node Name List

Displays information only about the back-end FC switches that are connected to the nodes you specify.

[-adapter-name-list <text>,...] - Node Adapter Name List

Displays information only about the back-end FC switches that are connected to the adapters you specify.

[-adapter-port-name-list <text>,...] - Node Adapter Port Name List

Displays information only about the back-end FC switches that are connected to the adapter ports you specify.

[-adapter-type-list {unknown|FCP-Initiator|FC-VI|FCP-Target}] - Node Adapter Type List

Displays information only about the back-end FC switches that are connected to the types of adapters you specify.

$[-path-data-last-successful-refresh-timestamp \ \{MM/DD/YYYY\ HH:MM:SS\ [\{+|-\}hh:mm]\}]$

- Switch Path Data Last Successful Refresh Timestamp

Displays information only about the back-end FC switches that match the node to switch path data last successful refresh timestamp you specify.

[-name-list <text>,...] - Switch Name List

Displays information only about the back-end FC switches that match the names you specify.

[-domain-id-list <integer>,...] - Switch Domain ID List

Displays information only about the back-end FC switches that match the domain ids you specify.

[-wwn-list <text>,...] - Switch WWN List

Displays information only about the back-end FC switches that match the switch WWNs you specify.

[-role-list {unknown|primary|subordinate}] - Switch Role in Fabric List

Displays information only about the back-end FC switches that match the switch roles you specify.

[-address-list <IP Address>,...] - Switch IP Address List

Displays information only about the back-end FC switches that match the switch IP addresses you specify.

Examples

The following example displays information about all back-end FC switches:

```
cluster::> system switch fibre-channel show
             Symbolic
                                                 Is
Monitor
   Switch Name Vendor Model Switch WWN Monitored
Status
   Cisco 10.226.197.34
             mcc-cisco-8Gb-fab-4
                    Cisco DS-C9148-16P-K9
                                   2000547fee78f088 true ok
   Cisco 10.226.197.35
             mcc-cisco-8Gb-fab-3
                    Cisco DS-C9148-16P-K9
                                 2000547fee78f0f0 true ok
   Cisco 10.226.197.36
             mcc-cisco-8Gb-fab-2
                    Cisco DS-C9148-16P-K9
                                  2000547fee78efb0 true
                                                       ok
   Cisco 10.226.197.37
             mcc-cisco-8Gb-fab-1
                    Cisco DS-C9148-16P-K9
                                   2000547fee78f0d8 true
                                                        ok
   4 entries were displayed.
cluster::>
```

The following example displays connectivity (switch to peer and node to switch) information about all back-end FC switches:

unknown							
fc1/4	F-port	2004547fee78efb0	21000024ff3dda8	3d unknown			
unknown	-						
fc1/5	F-port	2005547fee78efb0	500a0980009af88	30 unknown			
unknown	-						
fc1/6	F-port	2006547fee78efb0	500a0981009af3	70 unknown			
unknown							
fc1/11	TE-port	200b547fee78efb0	200b547fee78f08	88 switch			
Cisco_10.226.1	97.34:fc1/3	11					
fc1/12	TE-port	200c547fee78efb0	200c547fee78f08	88 switch			
Cisco_10.226.1	97.34:fc1/3	12					
fc1/13	F-port	200d547fee78efb0	2100001086609e2	22 unknown			
unknown							
fc1/15	F-port	200f547fee78efb0	21000024ff3dd91	lb unknown			
unknown							
fc1/16	F-port	2010547fee78efb0	21000024ff3dbet	5 unknown			
unknown							
fc1/17	F-port	2011547fee78efb0	500a0981009afda	a0 unknown			
unknown							
fc1/18	F-port	2012547fee78efb0	500a0981009a916	50 unknown			
unknown							
fc1/25	F-port	2019547fee78efb0	210000108660376	e8 bridge			
ATTO_10.226.19	7.17:1						
fc1/27	F-port	201b547fee78efb0	21000024ff3dd9d	d3 fcvi-adapter			
dpg-mcc-3240-1	_	_					
	_	201c547fee78efb0	21000024ff3dbe3	3d fcvi-adapter			
dpg-mcc-3240-1	_	_					
	_	201d547fee78efb0	500a0980009ae0a	aO fcp-adapter			
dpg-mcc-3240-1							
	_	201e547fee78efb0	500a0981009aef	10 fcp-adapter			
dpg-mcc-3240-1							
	me: 7/31/20	014 14:26:48 -04:	00				
Path:							
			Switch				
_		_		Port			
Node		-	_	peed Adapter Type			
	040 15 1	0 -1	£-1/20	Charles EQD T '			
	240-15-a1			Gbps FCP-Initiator			
	240-15-a1			Gbps FC-VI			
	240-15-a2			Sbps FCP-Initiator			
apg-mcc-3.	240-15-a2	fcvi_device_1	101/20 80	Gbps FC-VI			

The following command displays cooling (temperature sensors and fans) information about all back-end FC switches:

```
cluster::> system switch fibre-channel show -cooling
Switch Name: Cisco 10.226.197.34
          Switch WWN: 2000547fee78f088
          Fabric WWN: 2001547fee78efb1
             Vendor: Cisco
             Model: DS-C9148-16P-K9
            Errors: -
   Last Update Time: 7/31/2014 14:26:58 -04:00
Fans:
                  RPM Status
   -----
   Fan Module-1
                    - operational
                    operational operational
   Fan Module-2
   Fan Module-3 operational Fan Module-4 operational
Last Update Time: 7/31/2014 14:27:10 -04:00
Temperature Sensors:
              Temp (C) Status
   ______
   module-1 Outlet 27 normal
   module-1 Outlet
                     29 normal
   module-1 Intake 26 normal
   module-1 Intake 28 normal
```

The following command displays the error information about all back-end FC switches:

```
cluster::> system switch fibre-channel show -error
Switch Name: Cisco 10.226.197.34
     Switch WWN: 2000547fee78f088
    Cisco 10.226.197.34(2000547fee78f088): Switch is Unreachable over
Management Network.
Switch Name: Cisco 10.226.197.35
     Switch WWN: 2000547fee78f0f0
    Cisco_10.226.197.35(2000547fee78f0f0): Switch is Unreachable over
Management Network.
Switch Name: Cisco 10.226.197.36
     Switch WWN: 2000547fee78efb0
    Cisco 10.226.197.36(2000547fee78efb0): Switch is Unreachable over
Management Network.
Switch Name: Cisco 10.226.197.37
     Switch WWN: 2000547fee78f0d8
    Cisco 10.226.197.37(2000547fee78f0d8): Switch is Unreachable over
Management Network.
4 entries were displayed.
```

The following command displays the detailed information about all the back-end FC switches:

cluster::> system switch fibre-channel show -instance Switch Name: Cisco 10.226.197.34 Switch Domain: -Switch Role: -Switch WWN: 2000547fee78f088 Fabric WWN: 2001547fee78efb1 Vendor: Cisco Model: DS-C9148-16P-K9 Firmware Version: 6.2(1) Management IP: 10.226.197.34 Errors: Cisco 10.226.197.34(2000547fee78f088): Switch is Unreachable over Management Network. Last Update Time: 7/31/2014 14:41:28 -04:00 Fabric: Switch Name Domain WWN Role IP Address 0 2000547fee78f088 unknown Cisco 10.226.197.34 10.226.197.34 Cisco 10.226.197.36 0 2000547fee78efb0 unknown 10.226.197.36

The following command displays port information about all back-end FC switches:

cluster::> system switch fibre-channel show -port Switch Name: Cisco 10.226.197.34 Switch WWN: 2000547fee78f088 Fabric WWN: 2001547fee78efb1 Vendor: Cisco Model: DS-C9148-16P-K9 Errors: -Last Update Time: 7/31/2014 14:26:58 -04:00 Ports: Admin Oper SFP Speed BB Port Name Port WWN Status Status Port Mode Present (Gbps) Credit PeerPortWWN _____ fc1/1 2001547fee78f088 enabled online F-port true 8 1 2100001086608b76 fc1/2 2002547fee78f088 enabled offline auto true 1 fc1/3 2003547fee78f088 enabled online F-port true 1

21000024ff48e						
fc1/4	2004547fee78f088					
	enabled	online	F-port	true	8	1
21000024ff3dd	d981					
fc1/5	2005547fee78f088					
	enabled	online	F-port	true	4	1
500a09800105	7f98					
fc1/6	2006547fee78f088					
	enabled	online	F-port	true	4	1
500a098101069						
fc1/7	200/01/200/0200					
	enabled	offline	auto	true	0	1
fc1/8	2008547fee78f088				•	
5 1 /0	enabled	offline	auto	true	0	1
fc1/9	2009547fee78f088	- 661		h	0	1
£-1 /10	enabled	offline	auto	true	0	1
fc1/10	200a547fee78f088 enabled	off];	auto	+ 1110	0	32
fc1/11	200b547fee78f088	orrine	auto	true	U	34
101/11	enabled	offline	TE-port	true	8	32
200b547fee786		OTITINE	IE POIC	crue	O	52
	200c547fee78f088					
101/12		offline	TE-port	true	8	32
200c547fee78e		0111110	12 P010	0100	J	
fc1/13						
	enabled	online	F-port	true	8	32
2100001086609			_			
fc1/14	200e547fee78f088					
	enabled	offline	auto	true	0	32
fc1/15	200f547fee78f088					
	enabled	offline	auto	true	0	32
fc1/16	2010547fee78f088					
	enabled	offline	auto	true	0	32
fc1/17	2011547fee78f088					
	enabled	offline	auto	true	0	32
fc1/18	2012547fee78f088					
5 1 /1 0	enabled	offline	auto	true	0	32
fc1/19	2013547fee78f088	6.61.			0	2.0
5-1/00		offline	auto	true	0	32
fc1/20	2014547fee78f088	off14ma	211+0	+ ~110	0	1
fc1/21	enabled 2015547fee78f088	offline	auto	true	0	1
101/21		offline	auto	true	0	1
fc1/22	2016547fee78f088	OTITILE	auto	CLUC	J	1
101/22		offline	auto	true	0	32
fc1/23	2017547fee78f088	0		3200	ŭ.	3_

	enabled	offline	211+0	true	0	32
fc1/24	2018547fee78f088	OTITINE	auto	crue	U	32
101/24		offline	211+0	true	0	32
£~1 /0E		orrine	auto	true	U	32
fc1/25	2019547fee78f088	1	E	+	8	32
2100001006600		online	F-port	true	Ö	32
2100001086609						
101/26	201a547fee78f088	- 661		4	0	20
5 1 /07	enabled	offline	auto	true	0	32
fc1/27	201b547fee78f088	1.			0	2.0
010000015510	enabled	online	F-port	true	8	32
21000024ff48e						
fc1/28	201c547fee78f088		_		0	
010000015510		online	F-port	true	8	32
21000024ff48e						
fc1/29	201d547fee78f088				_	
		online	F-port	true	4	32
500a098101484						
fc1/30	201e547fee78f088					
	enabled	online	F-port	true	4	32
500a09810147e						
fc1/31	201f547fee78f088					
	enabled	offline	auto	true	0	32
fc1/32	2020547fee78f088					
	enabled	offline	auto	true	0	1
fc1/33	2021547fee78f088					
	enabled	offline	auto	true	0	1
fc1/34	2022547fee78f088					
	enabled	offline	auto	true	0	32
fc1/35	2023547fee78f088					
	enabled	offline	auto	true	0	32
fc1/36	2024547fee78f088					
	enabled	offline	auto	true	0	32
fc1/37	2025547fee78f088					
	enabled	offline	auto	true	0	32
fc1/38	2026547fee78f088					
	enabled	offline	auto	true	0	32
fc1/39	2027547fee78f088					
	enabled	offline	auto	true	0	32
fc1/40	2028547fee78f088					
	enabled	offline	auto	true	0	32
fc1/41	2029547fee78f088					
	enabled	offline	auto	true	0	32
fc1/42	202a547fee78f088					
	enabled	offline	auto	true	0	32
fc1/43	202b547fee78f088					
	enabled	offline	auto	true	0	32

fc1/44						
	202c547fee78f088					
	enabled	offline	auto	true	0	32
fc1/45	202d547fee78f088					
	enabled	offline	auto	true	0	32
fc1/46	202e547fee78f088					
	enabled	offline	auto	true	0	32
fc1/47	202f547fee78f088					
		offline	auto	true	0	32
fc1/48	2030547fee78f088					
		offline	auto	true	0	0
port-chanr						
	2401547fee78f088					
		offline	auto	true	0	0
port-chanr						
	2402547fee78f088	6.63.			0	0
		offline	auto	true	0	0
port-chanr						
	2403547fee78f088	- 661		.	0	0
nant ahanr		offline	auto	true	0	0
port-chanr	2404547fee78f088					
		offlino	auto	true	0	0
port-chanr		OTITINE	auto	true	U	U
port cham	2405547fee78f088					
		offline	auto	true	0	0
port-chanr		01111110	aaco	0140	Ü	Ü
p 0 2 0 0 1 1 1 1 1 1	2406547fee78f088					
		offline	auto	true	0	0
port-chanr						
_	2407547fee78f088					
	enabled	offline	auto	true	0	0
port-chann	nel 8					
	2408547fee78f088					
	enabled	offline	auto	true	0	0
port-chann	nel 9					
	2409547fee78f088					
	enabled	offline	auto	true	0	0
port-chanr	nel 10					
	240a547fee78f088					
	enabled	offline	auto	true	0	0
port-chanr						
	240b547fee78f088					
		offline	auto	true	0	0
	nel 12					
port-chann						
port-chann	240c547fee78f088	6.53	auto	true	0	0

```
sup-fc0 enabled online unknown true 1 0
```

The following command displays power supply unit information about all back-end FC switches:

The following command displays san configuration (VSANs and Zones) information about all back-end FC switches:

```
cluster::> system switch fibre-channel show -san-config
Switch Name: Cisco 10.226.197.34
          Switch WWN: 2000547fee78f088
          Fabric WWN: 2001547fee78efb1
              Vendor: Cisco
             Model: DS-C9148-16P-K9
             Errors: -
   Last Update Time: 7/31/2014 14:41:49 -04:00
   VSAN Configuration:
Oper
   VSAN ID Vsan Name
                                  Status Load Balancing isIOD
         1 VSAN0001
                                  up
                                       src-id-dest-id true
         2 dpg 13 storage up src-id-dest-id-ox-id
                                 down src-id-dest-id-ox-id
         3 dpg 13 fcvi
                                                        true
        10 dpg mcc 13 fab1 fcvi up
                                        src-id-dest-id true
        20 dpg mcc 13 fab1 storage up src-id-dest-id-ox-id
                                                        true
                                  up src-id-dest-id true
        30 dpg mcc 13 fab2 fcvi
        40 VSAN0040
                                        src-id-dest-id true
                                  up
        70 dpg mcc 14 fcvi
                                        src-id-dest-id true
                                  up
        80 dpg mcc 14 storage
                                  up
                                        src-id-dest-id-ox-id
```

```
true
                          up src-id-dest-id-ox-id
       110 dpg mcc 15 fcvi
                                                        true
       120 dpg mcc 15 storage up src-id-dest-id-ox-id
      4094 isolated vsan
                           down src-id-dest-id-ox-id
                                                        true
VSAN Membership:
VSAN ID Switch Name
                    Switch Port Name
    _____
         1 Cisco 10.226.197.34 fc1/2
         1 Cisco 10.226.197.34 fc1/7
         1 Cisco 10.226.197.34 fc1/8
         1 Cisco 10.226.197.34 fc1/9
         1 Cisco 10.226.197.34 fc1/10
         1 Cisco 10.226.197.34 fc1/11
         1 Cisco 10.226.197.34 fc1/12
         1 Cisco 10.226.197.34 fc1/14
         1 Cisco 10.226.197.34 fc1/19
         1 Cisco 10.226.197.34 fc1/20
         1 Cisco 10.226.197.34 fc1/21
         1 Cisco 10.226.197.34 fc1/22
         1 Cisco 10.226.197.34 fc1/23
         1 Cisco 10.226.197.34 fc1/24
         1 Cisco 10.226.197.34 fc1/31
         1 Cisco 10.226.197.34 fc1/32
         1 Cisco 10.226.197.34 fc1/33
         1 Cisco 10.226.197.34 fc1/34
         1 Cisco 10.226.197.34 fc1/35
         1 Cisco 10.226.197.34 fc1/36
         1 Cisco 10.226.197.34 fc1/37
         1 Cisco 10.226.197.34 fc1/38
         1 Cisco 10.226.197.34 fc1/39
         1 Cisco 10.226.197.34 fc1/40
         1 Cisco 10.226.197.34 fc1/41
         1 Cisco 10.226.197.34 fc1/42
         1 Cisco 10.226.197.34 fc1/43
         1 Cisco 10.226.197.34 fc1/44
         1 Cisco 10.226.197.34 fc1/45
         1 Cisco 10.226.197.34 fc1/46
         1 Cisco 10.226.197.34 fc1/47
         1 Cisco 10.226.197.34 fc1/48
         1 Cisco 10.226.197.34 port-channel 1
         1 Cisco 10.226.197.34 port-channel 2
         1 Cisco 10.226.197.34 port-channel 3
         1 Cisco 10.226.197.34 port-channel 4
```

```
1 Cisco 10.226.197.34 port-channel 5
1 Cisco 10.226.197.34 port-channel 6
1 Cisco 10.226.197.34 port-channel 7
1 Cisco 10.226.197.34 port-channel 8
1 Cisco 10.226.197.34 port-channel 9
1 Cisco 10.226.197.34 port-channel 10
1 Cisco 10.226.197.34 port-channel 11
1 Cisco 10.226.197.34 port-channel 12
1 Cisco 10.226.197.36 fc1/2
1 Cisco 10.226.197.36 fc1/7
1 Cisco 10.226.197.36 fc1/8
1 Cisco 10.226.197.36 fc1/9
1 Cisco 10.226.197.36 fc1/10
1 Cisco 10.226.197.36 fc1/11
1 Cisco 10.226.197.36 fc1/12
1 Cisco 10.226.197.36 fc1/14
1 Cisco 10.226.197.36 fc1/19
1 Cisco 10.226.197.36 fc1/20
1 Cisco 10.226.197.36 fc1/21
1 Cisco 10.226.197.36 fc1/22
1 Cisco 10.226.197.36 fc1/23
1 Cisco 10.226.197.36 fc1/24
1 Cisco 10.226.197.36 fc1/26
1 Cisco 10.226.197.36 fc1/31
1 Cisco 10.226.197.36 fc1/32
1 Cisco 10.226.197.36 fc1/33
1 Cisco 10.226.197.36 fc1/34
1 Cisco 10.226.197.36 fc1/35
1 Cisco 10.226.197.36 fc1/36
1 Cisco 10.226.197.36 fc1/37
1 Cisco 10.226.197.36 fc1/38
1 Cisco 10.226.197.36 fc1/39
1 Cisco 10.226.197.36 fc1/40
1 Cisco 10.226.197.36 fc1/41
1 Cisco 10.226.197.36 fc1/42
1 Cisco 10.226.197.36 fc1/43
1 Cisco 10.226.197.36 fc1/44
1 Cisco 10.226.197.36 fc1/45
1 Cisco 10.226.197.36 fc1/46
1 Cisco 10.226.197.36 fc1/47
1 Cisco 10.226.197.36 fc1/48
30 Cisco 10.226.197.34 fc1/3
30 Cisco 10.226.197.34 fc1/4
30 Cisco 10.226.197.36 fc1/3
30 Cisco 10.226.197.36 fc1/4
40 Cisco 10.226.197.34 fc1/1
```

```
40 Cisco 10.226.197.34 fc1/5
        40 Cisco 10.226.197.34 fc1/6
        40 Cisco 10.226.197.36 fc1/1
        40 Cisco 10.226.197.36 fc1/5
        40 Cisco 10.226.197.36 fc1/6
        70 Cisco 10.226.197.34 fc1/15
        70 Cisco 10.226.197.34 fc1/16
        70 Cisco 10.226.197.36 fc1/15
        70 Cisco 10.226.197.36 fc1/16
        80 Cisco 10.226.197.34 fc1/13
        80 Cisco 10.226.197.34 fc1/17
        80 Cisco 10.226.197.34 fc1/18
        80 Cisco 10.226.197.36 fc1/13
        80 Cisco 10.226.197.36 fc1/17
        80 Cisco 10.226.197.36 fc1/18
       110 Cisco 10.226.197.34 fc1/26
       110 Cisco 10.226.197.34 fc1/27
       110 Cisco 10.226.197.34 fc1/28
       120 Cisco 10.226.197.34 fc1/25
       120 Cisco 10.226.197.34 fc1/29
       120 Cisco 10.226.197.34 fc1/30
       120 Cisco 10.226.197.36 fc1/25
       120 Cisco 10.226.197.36 fc1/29
       120 Cisco 10.226.197.36 fc1/30
Last Update Time: 7/31/2014 14:45:40 -04:00
Zone Configuration:
                  Member Member
  Member
  Zone Name VSAN ID Switch Name Port Name Port ID Member WWN
  $default zone$ 30 Cisco 10.226.197.36
                              fc1/4
  dpg mcc storage
                40 Cisco 10.226.197.36
                              fc1/1
  $default zone$ 40 Cisco 10.226.197.36
  dpg mcc 14 fcvi
                70 Cisco 10.226.197.36
  $default zone$ 70 Cisco 10.226.197.36
  dpg mcc 14 storage
                80 Cisco 10.226.197.34
                              fc1/13
```

The following command displays port SFP information about all back-end FC switches:

```
cluster::> system switch fibre-channel show -sfp
Switch Name: Cisco 10.226.197.34
          Switch WWN: 2000547fee78f088
          Fabric WWN: 2001547fee78efb1
              Vendor: Cisco
             Model: DS-C9148-16P-K9
             Errors: -
   Last Update Time: 7/31/2014 14:41:49 -04:00
SFP:
Port Name Type Tx Type Vendor Part Number Serial
Number
   fc1/1 sfp-with-serial-id
                          short-wave-laser CISCO-FINISAR
                                                      FTLF8528P2BCV-CS
FNS160629J9
   fc1/2 unknown unknown
   fc1/3 sfp-with-serial-id
                          short-wave-laser CISCO-FINISAR
                                                      FTLF8528P2BCV-CS
FNS160629H3
   fc1/4 sfp-with-serial-id
                          short-wave-laser CISCO-FINISAR
                                                      FTLF8528P2BCV-CS
```

FNS1606290H fc1/5 sfp-with-serial-id short-wave-laser CISCO-FINISAR FTLF8528P2BCV-CS FNS160628EA fc1/6 sfp-with-serial-id short-wave-laser CISCO-FINISAR FTLF8528P2BCV-CS FNS160629QT fc1/7 unknown unknown fc1/8 unknown unknown fc1/9 unknown unknown fc1/10 unknown unknown fc1/11 sfp-with-serial-id short-wave-laser CISCO-FINISAR FTLF8528P2BCV-CS FNS160629GP fc1/12 sfp-with-serial-id short-wave-laser CISCO-FINISAR FTLF8528P2BCV-CS FNS16061X71 fc1/13 sfp-with-serial-id short-wave-laser CISCO-FINISAR FTLF8528P2BCV-CS FNS160629P8 fc1/14 unknown unknown fc1/15 sfp-with-serial-id short-wave-laser CISCO-FINISAR FTLF8528P2BCV-CS FNS160629JP fc1/16 sfp-with-serial-id short-wave-laser CISCO-FINISAR FTLF8528P2BCV-CS FNS160628D2 fc1/17 sfp-with-serial-id short-wave-laser CISCO-FINISAR FTLF8528P2BCV-CS FNS160629NG

fc1/18 sfp-with-serial-id	
short-wave-laser CISCO-FINISAR	
	528P2BCV-CS
)20F2BCV-C5
FNS160629R1	
fc1/19 unknown unknown	
fc1/20 unknown unknown	
fc1/21 unknown unknown	
fc1/22 unknown unknown	
fc1/23 sfp-with-serial-id	
short-wave-laser CISCO-FINISAR	
	528P2BCV-CS
	DZ01ZDCV CD
FNS160629NC	
fc1/24 sfp-with-serial-id	
short-wave-laser CISCO-FINISAR	
	528P2BCV-CS
	DZOLZDCV CD
FNS160628CX	
fc1/25 sfp-with-serial-id	
short-wave-laser CISCO-FINISAR	
	528P2BCV-CS
	DZOFZDCV C5
FNS160629NZ	
fc1/26 unknown unknown	
fc1/27 sfp-with-serial-id	
short-wave-laser CISCO-FINISAR	
	528P2BCV-CS
	72012DCV CD
FNS16061XB0	
fc1/28 sfp-with-serial-id	
short-wave-laser CISCO-FINISAR	
	528P2BCV-CS
	1111111111
FNS16061XA6	
fc1/29 sfp-with-serial-id	
short-wave-laser CISCO-FINISAR	
	528P2BCV-CS
FNS16061XA0	
fc1/30 sfp-with-serial-id	
short-wave-laser CISCO-FINISAR	
	528P2BCV-CS
FNS16061X9S	
fc1/31 unknown unknown	

fc1/32	unknown	unknown		
fc1/33	sfp-with-seria	al-id		
		short-wave-laser	CISCO-FINISA	3
				FTLF8528P2BCV-CS
FNS16061NL7				
fc1/34	unknown	unknown		
fc1/35	sfp-with-seria			
101/00	DIP WICH DOIL	short-wave-laser	CTSCO-FINISA	
		SHOLC WAVE LASEL	CIDCO TINIDA	FTLF8528P2BCV-CS
				TIHIOJZOIZDOV CD
FNS160629M8				
	-6	-1 ! 4		
fc1/36	sfp-with-seria		OTOGO DINTON	
		short-wave-laser	CISCO-FINISAL	
				FTLF8528P2BCV-CS
FNS160629KH				
fc1/37	unknown	unknown		
fc1/38	unknown	unknown		
fc1/39	unknown	unknown		
fc1/40	unknown	unknown		
fc1/41	unknown	unknown		
fc1/42	unknown	unknown		
fc1/43	unknown	unknown		
fc1/44	unknown	unknown		
fc1/45	unknown	unknown		
fc1/46	unknown	unknown		
fc1/47	unknown	unknown		
fc1/48	unknown	unknown		
port-chann	nel 1			
1		unknown		
port-chann				
pore enam	unknown	unknown		
port-chann		allillo wii		
pore cham		unknown		
port-chann		UIIVIIOWII		
por t-chain				
		unknown		
port-chann		,		
		unknown		
port-chann				
	unknown	unknown		
port-chann				
	unknown	unknown		
port-chann				
		unknown		
port-chann	nel 9			

unknown	unknown
port-channel 10	
unknown	unknown
port-channel 11	
unknown	unknown
port-channel 12	
unknown	unknown
sup-fc0	

The following command displays port statistics information about all back-end FC switches:

cluster::> system switch fibre-channel show -stats Switch Name: Cisco 10.226.197.34 Switch WWN: 2000547fee78f088 Fabric WWN: 2001547fee78efb1 Vendor: Cisco Model: DS-C9148-16P-K9 Errors: -Last Update Time: 7/31/2014 14:41:49 -04:00 Port Statistics: Rx Rx Τx Тx Error Port Name Frames Octets Frames Octets Frames fc1/1 2116207233 3710682580 3906335374 859905888 0 208 fc1/2 1 1 208 3238899002 903116292 3079548736 4014304952 fc1/3 0 fc1/4 1888758418 1643379900 2434821325 2997002344 0 fc1/5 3719731908 1808138824 1878240211 3421335100 0 fc1/6 2644430347 1042009564 249190625 2003353056 0 fc1/7 1 228 1 228 0 fc1/8 1 156 1 156 Ω fc1/9 1 148 1 148 0 fc1/10 1 224 1 224

0	fc1/11	3617142898	4129927136	39089396	2595464620	
0	fc1/12	473603889	1560909460	2797562521	2833496016	
0	fc1/13	1852255936	1091902804	180309704	1769859928	
0	fc1/14	1	140	1	140	
0	fc1/15	4997082	3519688264	4283938	3370856432	
0	fc1/16	4995287	3519577592	4282173	3370732136	
0	fc1/17	55146756	178045212	1733567096	3030415436	
0	fc1/18	63005788	4287094736	1726651844	2640371212	
0	fc1/19	1	200	1	200	
0	fc1/20	1	104	1	104	
0	fc1/21	1	108	1	108	
0	fc1/22	1	108	1	108	
0	fc1/23	1	164	1	164	
0	fc1/24	1	216	1	216	
0	fc1/25	2810698819	1611009260	471527156	1900246656	
0	fc1/26	1	104	1	104	
0	fc1/27	4165019838	887421780	3848122102	2581891136	
0	fc1/28	58607737	1015197080	101621078	3482734024	
0	fc1/29	4266270960	222242144	3766674764	2400640552	
0	fc1/30	3984658378	1443835508	152597387	678837848	
0	fc1/31	1	220	1	220	
0	fc1/32	1	120	1	120	
	fc1/33	1	132	1	132	

0	fc1/34	1	144	1	144
0	fc1/35	1	160	1	160
0	fc1/36	1	104	1	104
0	fc1/37	1	148	1	148
0	fc1/38	1	184	1	184
0	fc1/39	1	160	1	160
0	fc1/40	1	136	1	136
0	fc1/41	1	196	1	196
0	fc1/42	1	128	1	128
0	fc1/43	1	168	1	168
0	fc1/44	1	212	1	212
0	fc1/45	1	136	1	136
0	fc1/46	1	224	1	224
0	fc1/47	1	104	1	104
0	fc1/48	1	104	1	104

Related Links

• system switch fibre-channel add

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