Cisco MDS 9000 Series Fibre Channel Zone Driver - OpenStack Configuration Guide, Release 9.x

Cisco Fibre Channel Zone Driver

Cisco Fibre Channel (FC) zone driver performs zoning operations through Secure Shell (SSH).

System Requirement:

- Cisco MDS 9000 Series Switches

- Cisco MDS NX-OS Release 7.3(0)D1(1) or later

You can configure the Cisco FC zone driver and lookup service by specifying the following parameters:

Table 1: Configuration Options for zoning_manager

Configuration Option = Default Value	Description
[fc-zone-manager]	
cisco_sb_connector= cinder.zonemanager.drivers.cisco.cisco_fc_zone_client_cli.CiscoFCZoneClientCLI	(StrOpt) The Southbound connector for zoning operation.
fc_san_lookup_service= cinder.zonemanager.drivers.cisco.cisco_fc_san_lookup_service.CiscoFCSanLookupService	(StrOpt) The FC San Lookup service.
zone_driver= cinder.zonemanager.drivers.cisco.cisco_fc_zone_driver.CiscoFCZoneDriver	(StrOpt) The FC zone driver that is responsible for zone management.
fc_fabric_names= CISCO_FABRIC_EXAMPLE	(StrOpt) The Cisco fabric name that you define in a fabric group for each fabric.

Cisco recommends that you configure the storage area network (SAN) fabric parameters as fabric groups, shown in the following example:

Table 2: Configuration Options for zoning_fabric

Configuration Option = Default Value	Description
[CISCO_FABRIC_EXAMPLE]	
cisco_fc_fabric_address=	(StrOpt) Management IP of the fabric
cisco_fc_fabric_user=	(StrOpt) Username for login
cisco_fc_fabric_password=	(StrOpt) Password for the user
cisco_fc_fabric_port=	(IntOpt) Connecting port
cisco_zoning_policy=	(StrOpt) Overridden zoning policy
cisco_zone_activate=	(BoolOpt) Overridden zoning activation state
cisco_zone_name_prefix=	(StrOpt) Overridden zone name prefix

Configuration Option = Default Value	Description
cisco_zoning_vsan=	(StrOpt) VSAN for OpenStack zone

Note The Cisco Fibre Channel Zone Driver supports basic and enhanced zoning modes. The zoning VSAN must exist with an active zone set name which is same as the fc_fabric_names parameter.

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