V Commands

The commands in this chapter apply to the Cisco MDS 9000 Family of multilayer directors and fabric switches. All commands are shown here in alphabetical order regardless of command mode. Please see the Command Mode section to determine the appropriate mode for each command. For more information, see the *Cisco MDS 9000 Family Configuration Guide*.

- vsan

- vrrp

vsan

To create multiple fabrics sharing the same physical infrastructure, to assign which ports will be in which VSAN, whether Interop mode is on or off, and whether load balancing is per exchange or src-dest ID., use the **vsan** command.

> **vsan database** [**exit**] [**no**] [**vsan** *number* **interface fc** *slot_number* | **port-channel** *number*] [**vsan** *number* **interop loadbalancing src-dst-id** | **src-dst-ox-id**] [**vsan** *number* **loadbalancing src-dst-id** | **src-dst-ox-id**] [**vsan** *number* **name** *name* **interop loadbalancing src-dst-id** | **src-dst-ox-id**] [**vsan** *number* **name** *name* **loadbalancing src-dst-id** | **src-dst-ox-id**] [**vsan** *number* **name** *name* **suspend interop** | **loadbalancing**] [**vsan** *number* **suspend**]

Syntax Description

vsan	Configure VSANs.
database	Enter the vsan configuration mode
exit	Exit from submode
no	Negate a command or set its defaults
vsan	Configure VSAN information or membership
number	Enter VSAN id range 1-4094
interface	Add interfaces to vsan
fc	Fiber Channel interface
slot_number	Fiber Channel slot number
port-channel	Port Channel interface
number	Port Channel number
interop	Turn on interoperability mode
loadbalancing	Configure loadbalancing scheme
src-dst-id	Src-id/dst-id for loadbalancing
src-dst-ox-id	Ox-id/src-id/dst-id for loadbalancing(Default)
name	Assign a name to vsan
suspend	Suspend vsan

Defaults   None

Command Modes   **vsan** command available in **config t** command mode. **vsan database** configuration commands available in **vsan database** submode.

Usage Guidelines   None

Examples
```
switch# config t
switch(config)# vsan database
switch(config-db)#
switch-config-db# vsan 2
```

```
switch(config-vsan-db)#
switch(config-vsan-db)# vsan 2 name TechDoc
updated vsan 2
switch(config-vsan-db)#
switch(config-vsan-db)# vsan 2 loadbalancing src-dst-id
switch(config-vsan-db)#
switch(config-vsan-db)# vsan 2 loadbalancing src-dst-ox-id
switch(config-vsan-db)#
switch(config-vsan-db)# vsan 2 suspend
switch(config-vsan-db)#
switch(config-vsan-db)# no vsan 2 suspend
vs.-config-vsan-db#
switch(config-vsan-db)# end
switch#
```

vrrp

To enable VRRP, use the **vrrp** command.

> **vrrp [address | advertisement-interval | authentication | exit | preempt | priority | shutdown | track]**

Syntax Description

address	Add/remove an IP address to the vr
advertisement-interval	Set the time interval between advertisement
authentication	Select authentication method
exit	Exit from this submode
no	Negate a command or set its defaults
preempt	Enable preemption of lower priority master
priority	[1-254] configure the vr priority
shutdown	Enable or disable a VR
track	Track the availability of another interface

Defaults   None

Command Modes   Configuration

Usage Guidelines   None.

Examples

```
switch(config-if-vrrp)# address ?
  <A.B.C.D>

switch(config-if-vrrp)# address 1.1.11.1 ?
  secondary  Secondary: a virtual IP address without owner
  <cr>       Carriage Return

switch(config-if-vrrp)# address 1.1.11.1

switch(config-if-vrrp)#
```