



Managing the Configuration

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Information About Configuration Management

The Cisco Nexus 1000V provides you with the capability to change the switch name, configure messages of the day, and display, save, and erase configuration files

Changing the Switch Name

Use this procedure to change the switch name or prompt from the default (switch#) to another character string.

If the VSM is connected to vCenter Server then this procedure also changes the Dynamic Vectoring and Streaming (DVS) engine that the VSM is managing. If you make an error when renaming the DVS, a syslog is generated and the DVS on vCenter Server continues to use the old DVS name.

Before You Begin

Before beginning this procedure, you must be logged in to the CLI in configuration mode.

Procedure

	Command or Action	Purpose
Step 1	switch(config)# switchname	Changes the switch prompt.

```
switch(config)# switchname metro
metro(config)# exit
metro#
```

Configuring a Message of the Day

Use this procedure to configure a message of the day (MOTD) to display before the login prompt on the terminal when a user logs in.

- The banner message can be up to 40 lines with up to 80 characters per line.
- Use the following guidelines when choosing your delimiting character:
 - Do not use the delimiting-character in the message string.
 - Do not use " and % as delimiters.
- The following tokens can be used in the the message of the day:
 - \$(hostname) displays the host name for the switch.
 - \$(line) displays the vty or tty line or name.

Before You Begin

Before beginning this procedure, you must be logged in to the CLI in configuration mode.

Procedure

	Command or Action	Purpose
Step 1	switch(config)# banner motd [<i>delimiting-character message</i> <i>delimiting-character</i>]	Configures a banner message of the day with the following features: <ul style="list-style-type: none"> • Up to 40 lines • Up to 80 characters per line • Enclosed in delimiting character, such as # • Can span multiple lines • Can use tokens
Step 2	switch(config)# show banner motd	Displays the configured banner message.

```
switch(config)# banner motd #April 16, 2011 Welcome to the svr#
switch(config)# show banner motd
April 16, 2011 Welcome to the Switch
```

Verifying the Configuration

Use this section to view the switch configuration. This section includes the following topics:

- Verifying the Software and Hardware Versions
- Verifying the Running Configuration
- Comparing the Startup and Running Configurations
- Verifying the Interface Configuration

Verifying the Software and Hardware Versions

Use this command to verify the versions of software and hardware on your system, for example, before and after an upgrade.

Command	Description
<code>show version</code>	Displays the versions of system software and hardware that are currently running on the switch.

Verifying the Running Configuration

Use this command to verify the configuration currently running on the system.

Command	Description
<code>show running-config</code>	Displays the versions of system software and hardware that are currently running on the switch.

Comparing the Startup and Running Configurations

Before You Begin

Before beginning this procedure, you must be logged in to the CLI in any command mode.

Procedure

	Command or Action	Purpose
Step 1	swtich# show running-config diff	Displays the difference between the startup configuration and the running configuration currently on the switch.

Verifying the Interface Configuration in a Brief Version

Use the following command to verify the interface configuration in a brief version:

Command	Description
show interface <i>{type}</i> <i>{name}</i> brief	Displays a brief version of information about the specified interface configuration.

Verifying a Detailed Version of an Interface Configuration

Use the following command to verify the configured domain:

Command	Description
show interface <i>{type}</i> <i>{name}</i>	Displays details about the specified interface configuration.

Verifying a Brief Version of all Interfaces

Use the following command to verify a brief version all interfaces:

Command	Description
show interface brief	Displays a brief version of all interface configurations on your system.

Verifying the Running Configuration for all Interfaces

Use the following command to verify the running configuration for all interfaces on your system:

Command	Description
show running-config interface	Displays the running configuration for all interfaces on your system.

Saving a Configuration

Use this procedure to save the running configuration to the startup configuration so that your changes are retained in the configuration file the next time you start the system.

Before You Begin

Before beginning this procedure, you must be logged in to the CLI in any command mode.

Procedure

	Command or Action	Purpose
Step 1	switch# copy running-config startup-config	(Optional) Saves the change persistently through reboots and restarts by copying the running configuration to the startup configuration.

```
switch# copy run start
[#####] 100%
switch#
```

Erasing a Configuration

Use this procedure to erase a startup configuration.



Caution

The **write erase** command erases the entire startup configuration with the exception of loader functions, the license configuration, and the certificate extension configuration

Before You Begin

Before beginning this procedure, you must be logged in to the CLI in any command mode.

Procedure

	Command or Action	Purpose
Step 1	switch# write erase [boot debug]	The existing startup configuration is completely erased and all settings revert to their factory defaults. The running configuration is not affected. The following parameters are used with this command: <ul style="list-style-type: none"> • boot: Erases the boot variables and the mgmt0 IP configuration. • debug: Erases the debug configuration.

	Command or Action	Purpose
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```
switch# write erase debug
```

Feature History for Configuration Management

Feature Name	Releases	Feature Information
Configuration Management	Release 5.2(1)IC1(1.1)	This feature was introduced.