Configuring the HTTP Server

This chapter contains the following sections:

Information About the HTTP Server

An HTTP server, which can be turned off from the CLI to address security concerns, is embedded in the Virtual Supervisor Module (VSM).

Guidelines and Limitations for the HTTP Server

- The HTTP server is enabled by default.

- The VMware Update Manager (VUM) does not install Virtual Ethernet Modules (VEMs) if the HTTP server is disabled. During VEM installation, VUM talks directly to the HTTP server to extract required module information from the VSM. To install VEMs, you must do one of the following:

    - Use the VUM by enabling the HTTP server during VEM installation, and then disabling it after the VEMs are installed.

    - Install VEMs manually without using the VUM.

- The HTTP server must be enabled in order to get the Cisco Nexus 1000V XML plugin from the VSM.

Disabling HTTPS

Before you begin

- Ensure that feature http-server is enabled.
- Ensure that vnm-pa is uninstalled and nsmgr is disabled.

Procedure

	Command or Action	Purpose
Step 1	switch# **configure terminal**	Enters global configuration mode.
Step 2	switch# **http-server no https**	Disables the HTTPS service.
Step 3	(Optional) switch(config)# **show http-server**	Displays the HTTP server configuration.
Step 4	(Optional) switch(config)# **Show feature**	Displays the state (enabled or disabled) of each available feature.

Example

```
switch# configure terminal
switch(config)# http-server no https
httpd: no process killed
switch(config)# show http-server
http-server enabled
 http protocol enabled
 https protocol disabled
switch(config)# show feature
Feature Name                 Instance  State
---------------------------  --------  --------
http-server                  1         enabled
.
.
.
switch(config)#
```

Disabling HTTP

Before you begin

- Ensure that feature http-server is enabled.

Procedure

	Command or Action	Purpose
Step 1	switch# **configure terminal**	Enters global configuration mode.

	Command or Action	Purpose
Step 2	switch# **http-server no http**	Disables the HTTP service.
Step 3	(Optional) switch(config)# **show http-server**	Displays the HTTP server configuration.
Step 4	(Optional) switch(config)# **Show feature**	Displays the state (enabled or disabled) of each available feature.

Example

```
switch# configure terminal
switch(config)# http-server no http
httpd: no process killed
switch(config)# show http-server
http-server enabled
 http protocol disabled
 https protocol enabled


switch(config)# show feature
Feature Name                 Instance  State
---------------------------  --------  --------
http-server                  1         enabled
.
.
.
switch(config)#
```

Installing Certificates

Certificates are sent to the browser or server and contain public keys needed to begin a secure session.

Installing the HTTP-Server Certificate

To install an HTTP-server certificate, use the **install http-certificate** command.

Procedure

	Command or Action	Purpose
Step 1	switch# **configure terminal**	Enters global configuration mode.
Step 2	switch# **install http-certificate** {bootflash: [//server/] | default}	Installs the certificate where {bootflash: [//server/] specifies the source or destination URL for boot flash memory. To regenerate an expired default certificate, use the **install http-certificate default** command. **Note** File extensions with .crt and .pem are supported.

Example

This example shows how to install an HTTP certificate to the boot flash memory:

```
switch# configure terminal
switch(config-svs-conn)# install http-certificate bootflash:new.crt
```

Installing the SVS-Connection Certificate

To install a certificate for SVS-connection, use the **install certificate** command.

Procedure

	Command or Action	Purpose
Step 1	switch# **configure terminal**	Enters global configuration mode.
Step 2	switch(config)# **svs connection vcenter**	Establishes vCenter connection.
Step 3	switch(config-svs-conn)# **install certificate** {bootflash: [// *server/*]	default}	Installs the certificate where {bootflash: [// *server/*] specifies the source or destination URL for boot flash memory. **Note** File extensions with .crt and .pem are supported.

Example

This example shows how to install a certificate to the boot flash memory:

```
switch# configure terminal
switch(config)# svs connection vcenter
switch(config-svs-conn)# install certificate bootflash:new.crt
```

Feature History for HTTP Server

This table only includes updates for those releases that have resulted in additions to the feature.

Feature History	Releases	Feature Information
HTTP server	5.2(1)SV3(1.1)	This feature was introduced.