



# Configuring the HTTP Server

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## 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 HTTP server must be enabled in order to get the Cisco Nexus 1000VE 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# <b>configure terminal</b>	Enters global configuration mode.

	Command or Action	Purpose
<b>Step 2</b>	switch# <b>http-server no https</b>	Disables the HTTPS service.
<b>Step 3</b>	(Optional) switch(config)# <b>show http-server</b>	Displays the HTTP server configuration.
<b>Step 4</b>	(Optional) switch(config)# <b>Show feature</b>	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
<b>Step 1</b>	switch# <b>configure terminal</b>	Enters global configuration mode.
<b>Step 2</b>	switch# <b>http-server no http</b>	Disables the HTTP service.
<b>Step 3</b>	(Optional) switch(config)# <b>show http-server</b>	Displays the HTTP server configuration.
<b>Step 4</b>	(Optional) switch(config)# <b>Show feature</b>	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
<b>Step 1</b>	switch# <b>configure terminal</b>	Enters global configuration mode.
<b>Step 2</b>	switch# <b>install http-certificate</b> {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 <b>install http-certificate default</b> command.  <b>Note</b> 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**

	<b>Command or Action</b>	<b>Purpose</b>
<b>Step 1</b>	switch# <b>configure terminal</b>	Enters global configuration mode.
<b>Step 2</b>	switch(config)# <b>svs connection vcenter</b>	Establishes vCenter connection.
<b>Step 3</b>	switch(config-svs-conn)# <b>install certificate</b> {bootflash: [// <i>server</i> ]   default}	Installs the certificate where {bootflash: [// <i>server</i> ] specifies the source or destination URL for boot flash memory.  <b>Note</b> 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
```