



Configuring Host Router and Cisco SM-SRE Module Interfaces

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To configure the Cisco SM-SRE module interfaces to run the Cisco Video Management and Storage System application after the module hardware is installed in your host router, you need to configure the following:

- 2900 Series of 3900 Series ISR G2 external interface to an external network link, using the Cisco IOS CLI for setting standard router settings
- ISR G2 internal interface to the Cisco SM-SRE module, using the Cisco IOS CLI for setting the network module IP address and default gateway router
- Cisco SM-SRE module internal interface to the host router

The following sections describe the tasks required to configure the host router and Cisco SM-SRE interfaces:

- [Before Configuring the Cisco Video Management and Storage Interfaces, page 5](#)
- [Configuring the Cisco SM-SRE Module Interfaces, page 7](#)

Before Configuring the Cisco Video Management and Storage Interfaces

Make sure that the following prerequisites for the ISR G2, the Cisco SM-SRE, and file server are met before you attempt to configure the module:

- [Cisco ISR G2 Prerequisites, page 5](#)
- [Cisco SM-SRE Module Prerequisites, page 6](#)
- [File Server Prerequisites, page 6](#)

Cisco ISR G2 Prerequisites

- Check the latest release notes (see the [Release Notes for the Cisco Video Management and Storage System](#)) to ensure that your Cisco router is running the appropriate Cisco IOS software release and recognizes the Cisco SM-SRE module.

**Note**

After minimum release requirements are met, you can change the image either on the host router or on the Cisco SM-SRE module, without affecting the other image.

Cisco SM-SRE Module Prerequisites

**Note**

In most cases, the Cisco SM-SRE module is shipped from the factory installed in the 2900 Series or 3900 Series ISR G2.

- If the Cisco SM-SRE module was not already installed at the factory, install it in the host router that has sufficient physical memory, depending on the model number, to accommodate the Cisco Video Management and Storage application. For detailed information on physical memory and hardware installation, see [Installing Cisco Network Modules and Service Modules in Cisco Access Routers](#).
- If you need to swap out an active Cisco SM-SRE module:
 - Before swapping out a module in an existing router, perform a full backup of all data.
 - After the swap, restore the data.

**Note**

For more information, see the “[Backing Up and Restoring Configurations on the Cisco Video Management and Storage System](#)” section on page 16.

- Follow the instructions in the [Installing Cisco Network Modules and Service Modules in Cisco Access Routers](#) guide for removing the older module and installing the newer module.
- Note the Cisco SM-SRE module slot location in the host router:
 - *slot*: Number of the host router chassis slot for the module. After you install the module, you can obtain this information by using the Cisco IOS software command-line interface (CLI) **show running-config** command.
 - *port*: Number of the daughter card on the module. This value should be 0.

**Note**

You must have this information to later configure the Cisco SM-SRE module.

File Server Prerequisites

- If you need to download a new image or to perform a configuration backup and restore, you will need to access a File Transfer Protocol (FTP)/Secure FTP (SFTP) and Trivial File Transfer Protocol (TFTP) server. To verify that your download FTP/SFTP and TFTP file servers are accessible, see the [Cisco Video Management and Storage System Installation and Upgrade Guide](#).
- Verify that the Cisco Video Management and Storage application is accessible by first accessing Cisco IOS CLI commands.

Configuring the Cisco SM-SRE Module Interfaces

The host router and the Cisco SM-SRE module uses several interfaces for internal and external communication. Each interface is configurable from the router by using Cisco IOS CLI commands.

The following information is required for entering the Cisco SM-SRE module command environment before configuring the interfaces:

- IP address of the Cisco ISR G2 that contains the Cisco SM-SRE module
- Username and password for logging in to the router
- Slot and unit number of the Cisco SM-SRE module

To configure the host router to Cisco SM-SRE module interfaces, see the [Cisco SRE Service Module Configuration and Installation Guide](#). After the module interfaces have been successfully configured, continue to the [Administering the Cisco Video Management and Storage System Module](#) chapter to configure appropriate parameters of the Cisco Video Management and Storage System application.

