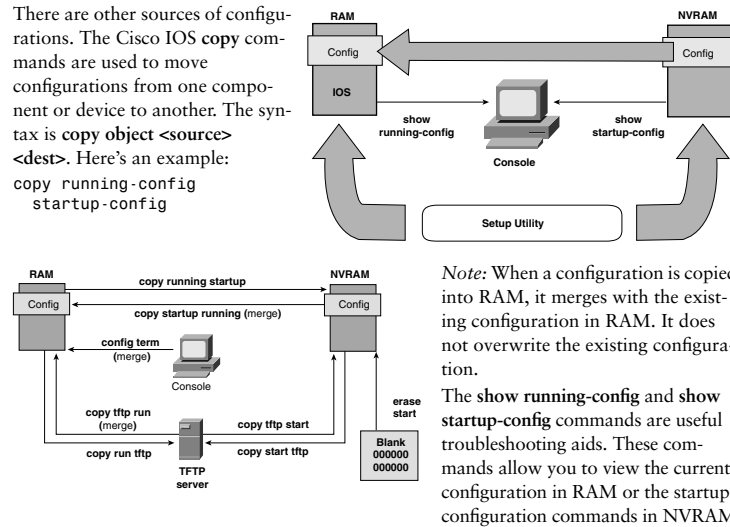


There are other sources of configurations. The Cisco IOS **copy** commands are used to move configurations from one component or device to another. The syntax is **copy object <source> <dest>**. Here's an example:

```
copy running-config
startup-config
```



In NVRAM:

```
wg_rp_c#show startup-config
Using 1359 out of 32762 bytes
!
version 12.0
!
--More--
```

You know that you are looking at the startup configuration file when you see a message at the top telling you how much nonvolatile memory has been used.

In RAM:

```
wg_ro_c#show running-config
Building configuration...
```

Current configuration:

```
!
version 12.0
!
--More--
```

You know that you are looking at the current configuration file when you see the words "Current configuration" at the top of the display.

### Key Feature of IFS

The Cisco IOS File System (IFS) feature provides an interface to the router file systems. The universal resource locator (URL) convention allows you to specify files on network devices.

Here are the URL prefixes for Cisco network devices:

- **Bootflash**—Boot Flash memory
- **Flash**—Available on all platforms
- **Flh**—Flash load helper log files
- **ftp**—File Transfer Protocol network server
- **nvrn**—NVRAM
- **rcp**—Remote copy protocol network server
- **slot0**—First PCMCIA Flash memory card
- **slot1**—Second PCMCIA Flash memory card
- **System**—Contains the system memory and the running configuration
- **tftp**—Trivial File Transfer Protocol (TFTP) network server

### How to Manage Cisco IOS Images

It is always prudent to retain a backup copy of your Cisco IOS Software image in case your router software becomes corrupted. Here's a Cisco IOS upgrade example:

```
wg_ro_a#show flash
wg_ro_a#copy flash tftp
wg_ro_a#copy tftp flash
```

When using the **copy flash** command, you must enter the IP address of the remote host and the name of the source and destination system image file. The router prompts you for this information. If no free Flash memory space is available, or if the Flash memory has never been written to, the erase routine is required.