

Backup and Restore

Routers often get upgraded or swapped out for a number of reasons. This document provides the user with some basic steps to migrate the configuration from an existing router to a new router.

Requirements

Before you use the information in this document, make sure that you meet these requirements:

- Access to a Trivial File Transfer Protocol (TFTP) or File Transfer Protocol (FTP) server.
- Connectivity - Routers must be able to access the FTP or TFTP server. Use the ping command to verify connectivity.

Types of Backup:

1. NVRAM Backup
2. FLASH Backup

Backup using TFTP : provides no authentication

Backup using FTP : provides authentication

Example-1, NVRAM Backup using TFTP

Considering, TFTP Service is running on the host 192.168.2.100

Router# copy startup-config tftp

Address or name of remote host []? 192.168.2.100

Destination filename [India-config]? backup

Writing startup-config....!!

[OK - 698 bytes]

698 bytes copied in 3.019 secs (231 bytes/sec)

Example-2, NVRAM Restore from TFTP

Considering, TFTP Service is running on the host 192.168.2.100

Router# copy tftp running-config

Address or name of remote host []? 192.168.2.100

Source filename []? backup

Destination filename [running-config]? Press Enter

Accessing tftp://192.168.2.100/backup....

Loading backup from 192.168.2.100: !

[OK - 698 bytes]

698 bytes copied in 3.003 secs (232 bytes/sec)

Cisco#

%SYS-5-CONFIG_I: Configured from console by console

Router# write

Example-3, NVRAM Backup using FTP

Considering, TFTP Service is running on the host 192.168.2.100

```
Router(config)# ip ftp username sam  
Router(config)# ip ftp password 123  
Router# copy startup-config ftp  
Address or name of remote host []? 192.168.2.100  
Destination filename [India-config]? backup
```

```
Writing startup-config...  
[OK - 738 bytes]
```

```
738 bytes copied in 0.026 secs (28000 bytes/sec)
```

Example-4, NVRAM Restore from FTP

Considering, TFTP Service is running on the host 192.168.2.100

```
Router# copy ftp running-config  
Address or name of remote host []? 192.168.2.100  
Source filename []? backup  
Destination filename [running-config]?Press Enter
```

```
Accessing ftp://192.168.2.100/backup...  
[OK - 738 bytes]
```

```
738 bytes copied in 0.012 secs (61500 bytes/sec)
```

```
Router#  
%SYS-5-CONFIG_I: Configured from console by console  
Router# write
```