

# Backup and Restore Settings on RV016, RV042, RV042G and RV082 VPN Routers

## Objective

Backup and restore saves the settings made on the device to your computer or other storage device. In the case that you need the previous settings, they can be pulled out to perform necessary operations. In the case of a device failure, this option will save the data on the device for you, making it a very important and time effective feature.

This document explains how to backup and restore router settings or configurations on the VPN Routers.

## Applicable Devices

- RV016
- RV042
- RV042G
- RV082

## Software Version

- v4.2.2.08

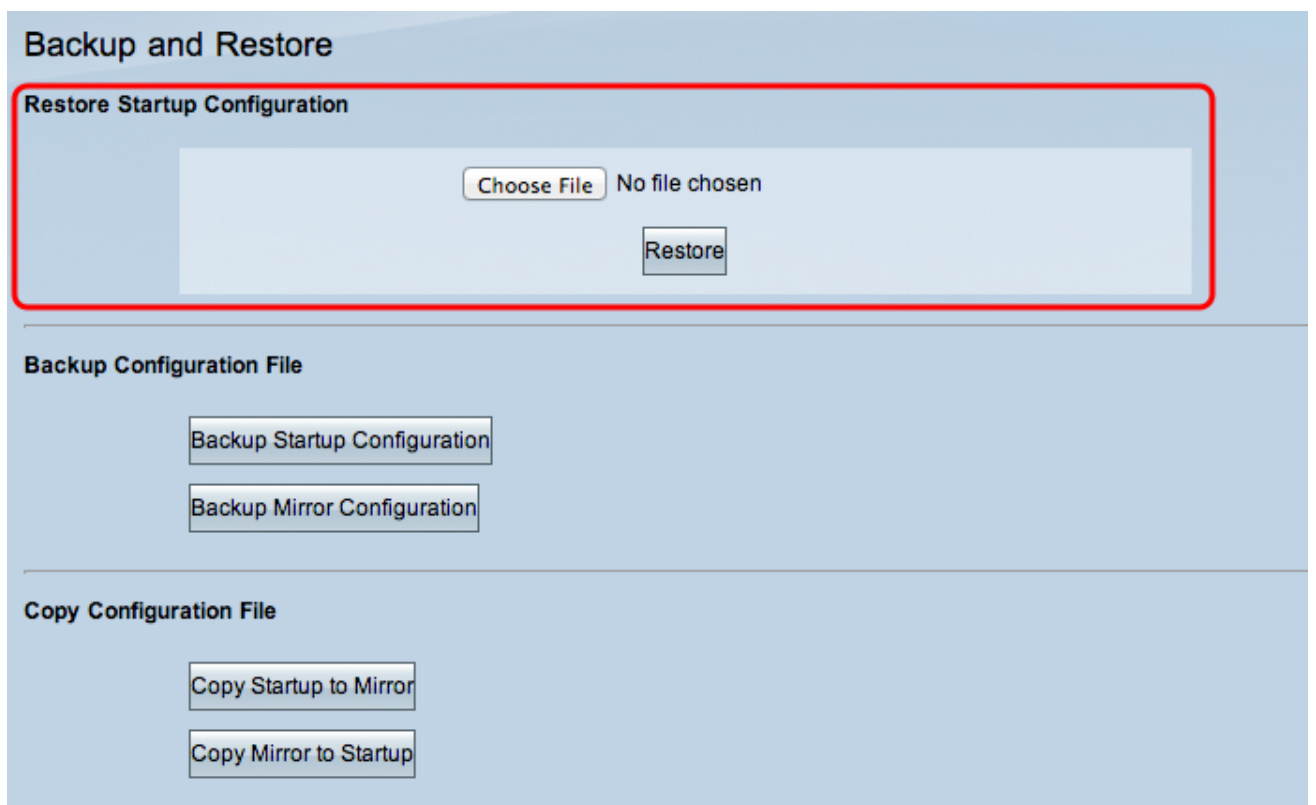
## Backup and Restore Settings

There are two types of configuration files in the router, one is the startup and the other is the mirror. The router loads the startup file when the router boots up. It also automatically copies the startup file into the mirror file. The mirror file is the file which contains the current valid configuration. The mirror file is useful if the startup configuration file fails for any reason.

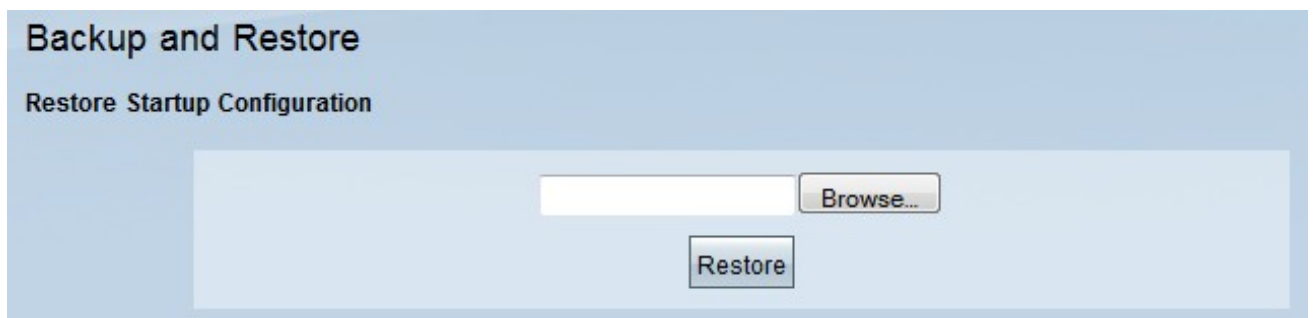
## Configure Restore Settings

**Note:** You have to backup your configuration settings before you restore them. Follow the [Configure Backup Configuration Files](#) below.

Step 1. Log in to the Router configuration utility and choose **System Management > Backup and Restore**. The *Backup and Restore* page opens:



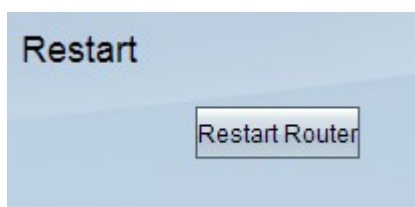
**Note:** If you use Mozilla Firefox or Internet Explorer, the Restore Startup Configuration area might look like this:



Step 2. In the Restore Startup Configuration File area, click **Choose File** or **Browse** to choose the configuration file (.config) that is saved in your computer.

Step 3. Click **Restore**. The process runs for a moment.

Step 4. Choose **System Management > Restart**. The *Restart* page opens:



Step 5. Click **Restart Router** to restart the router. The backup files do not restore the configuration settings of the router if you do not restart your router.

## [Configure Backup Configuration Files](#)

You need to backup your configuration files and save these files in your computer system to restore them in the future.

Step 1. Log in to the Router configuration utility and choose **System Management > Backup and Restore**. The *Backup and Restore* page opens:

The screenshot shows the 'Backup and Restore' interface. At the top, there's a section for 'Restore Startup Configuration' with a 'Choose File' button and 'No file chosen' text, and a 'Restore' button. Below this is a red-bordered box labeled 'Backup Configuration File' containing 'Backup Startup Configuration' and 'Backup Mirror Configuration' buttons. At the bottom is a 'Copy Configuration File' section with 'Copy Startup to Mirror' and 'Copy Mirror to Startup' buttons.

Step 2. In the *Backup Configuration File* area, click the appropriate configuration.

- Backup Startup Configuration — Downloads a copy of the startup configuration to your computer. The default backup file name is Startup.config.
- Backup Mirror Configuration — Downloads a copy of the mirror configuration to your computer. The default mirror file name is Mirror.config.

Step 3. The *File Download* window appears. Click **Save** to save the file and choose the location to save the file. You can also enter a user desired filename to identify the file easily and then click **Save**.

## Copy a Startup File or Mirror File

You can copy your startup file to the mirror file, or you can copy the mirror file to the startup file. These files can be saved to a computer for when you want to restore them to the router.

Some important features to remember are:

- Every 24 hours the startup configuration file is copied to the mirror configuration file automatically.
- The time counter restarts after each reset of the device. It starts up again to copy the startup configuration file to the mirror configuration file automatically after the new 24 hours period.
- If the Mirror config file is still in its factory default state, copying the mirror to the startup immediately resets the router to the factory default settings

Step 1. Log in to the Router configuration utility and choose **System Management >**

**Backup and Restore.** The *Backup and Restore* page opens:

The screenshot shows a web interface for Backup and Restore. It is divided into three main sections:

- Restore Startup Configuration:** Contains a "Choose File" button, the text "No file chosen", and a "Restore" button.
- Backup Configuration File:** Contains two buttons: "Backup Startup Configuration" and "Backup Mirror Configuration".
- Copy Configuration File:** This section is highlighted with a red border and contains two buttons: "Copy Startup to Mirror" and "Copy Mirror to Startup".

Step 2. In the *Copy Configuration File* area, click the appropriate button to copy.

- Copy Startup to Mirror — It stores and replaces the recent startup file of the router to the mirror file.
- Copy Mirror to Startup — It stores and replaces the recent mirror file of the router to the startup file. It may take some time to complete this. Your router will restart after completing the copy.