



# How to Recover a NextGen F-Series Firewall or Control Center Appliance with a USB Flash Drive

To recover the Barracuda NextGen Firewall F-Series, format a USB flash drive and import the NextGen Firewall F-Series ISO image to the drive. You can also include PAR/PCA files and hotfixes. If you are including a PCA file, verify that the password for the PCA file is set to the serial number of your hardware appliance.

If you include hotfixes, they are installed in alphabetical order after the firmware in the post-install section. A reboot is required after hotfix installation.

## In this article:

### Before You Begin

Before installing the Barracuda NextGen Firewall F-Series, you must have the following:

- Empty USB flash drive that is at least 2 GB.
- Barracuda F-Series Install application.
- NextGen Firewall F-Series ISO image.
- You must install the [Visual C++ Redistributable for Visual Studio 2012](#) on your computer to use Barracuda F-Series Install.
- (optional) PAR or PCA file.

You can download the Barracuda F-Series Install and ISO image from [Barracuda Cloud Control](#).

### Step 1. Prepare the USB Flash Drive for Installation

To format the USB flash drive with the ISO image and any required PAR file:

1. Insert the USB flash drive into an available USB port on your client.
2. Launch Barracuda F-Series Installer with administrative privileges.
3. Select **Auto Installation USB Flash Drive** as the wizard mode.

If you are also installing hotfixes, the **Auto Installation USB Flash Drive** mode is required.

4. Click **Next**.
5. From the **Write to USB flash drive** list, select **Yes**.
6. From the **Save to** list, select your USB flash drive.
7. Click **Next**.
8. Select the **Format USB flash drive** checkbox.
9. To import an ISO **Image**, click **Import** and select **copy ISO Image** from your disk.
10. Select the ISO image on your disk and click **OK**.
11. To include **PAR Files**, click **Modify. Import** one or more PAR or PCA files.

If more than one PAR file is added to the USB stick, you are prompted to select the PAR file during installation.



You can only use PCA files that were encrypted using the serial number of the appliance as the password. Decrypt the PCA file if a manual password was used or the serial number does not match the password of the PCA file. For more information, see [phionar and conftool](#).

12. To include **Patches** or Hotfixes, click **Modify. Import** the patch or hotfix archives.

Patches or Hotfixes are installed in alphabetical order. Rename the archives as necessary to satisfy dependencies.

13. Click **Next**.
14. In the **Installation Mode Settings** section, click **Import** and import the Barracuda ISO image.
15. Click **Next**. The installation details window opens.
16. Click **Finish**. The files are written to the USB flash drive.

In the window that opens with a message asking you to format the USB flash drive, click **cancel**.

17. When the **USB Drive Formatted Successfully** window opens, click **OK**. The USB flash drive is now prepared for installation.

## Step 2. (Optional) Manually Add Hotfixes or Patches

To manually add hotfixes or patches to an existing recovery USB stick:

1. On the formatted USB flash drive, create the following directory:  
/appliance/hotfixes
2. In the hotfixes directory, add the hotfixes. It is recommended that you rename the hotfixes with prefixes, such as 01\_ and 02\_.

## Step 3. Install the Barracuda NextGen Firewall F-Series or Control Center

Start the installation by inserting the USB drive and rebooting the NextGen Firewall F-Series or Control Center.

1. Safely remove the USB flash drive from your client.
2. Plug the USB flash drive into your Barracuda appliance and then power the unit on.
3. An acoustic signal indicates the successful installation.
4. Remove the USB flash drive from the appliance and reboot the unit.
5. Launch Barracuda NextGen Admin and log into the Barracuda NextGen Firewall F-Series.

