

How to Back Up and Restore Your Systems

<https://campus.barracuda.com/doc/41116410/>

To back up and restore your system, you must create a Portable Archive (PAR) file. Barracuda NG Firewalls using firmware 6.0.1 or later can also create encrypted PCA files to store the system configuration.

File Type	PAR File	Comment	Restore Configuration via
PAR	uncompressed, unencrypted archive file	This is the default option.	NG Admin, /opt/phion/update/, USB Stick when using NG Install
PGZ	compressed, unencrypted archive file	Can only be created via NG Admin.	NG Admin, /opt/phion/update
PCA	encrypted archive file	Barracuda NG Firewall and NG Control Center version 6.0.1 and above.	NG Admin, if the password is set to the serial number of the appliance you can also restore via /opt/phion/update/ or USB stick when using NG Install

Standalone Barracuda NG Firewall

Create a PAR or PCA file to back up and restore the configuration of a standalone Barracuda NG Firewall.

Back Up the Barracuda NG Firewall

1. Go to the **Config > Full Config** page.
2. Right-click **Box** and select **Create PAR file**. The **Save As** window opens.
3. Select the archive type:
 - **PAR File (*.par)** (default)
 - **Compressed PAR File (*.pgz)**
 - **Encrypted PAR File (*.pca)**
4. If you selected **Encrypted PAR file**, the **Password** window opens.
5. Click **Use Serial** Number or enter the **Password** manually.

PCA archives with manual passwords can not be used to reinstall your Barracuda NG Firewall or NG Control Center via NG Install or update the configuration via /opt/phion/update. Decrypt the archive manually for these operations. For more information, see [phionar and conftool](#).

Restore the Barracuda NG Firewall

1. Go to the **Configuration > Full Config** page.
2. Right-click **Box** and select **Restore from PAR file**. Select the required PAR / PGZ / PCA file.
3. If you are using a PCA file, enter the **Password** and click **OK**.
4. Click **Activate**.
5. Go to the **Control > Box page**.
6. In the left navigation pane, expand **Operating System** and click **Firmware Restart**.
Click **Yes** to confirm that you want to restart the subsystem.
7. Expand **Network** and click **Activate new network configuration**.
8. Select one of the following network configuration activation modes:
 1. If the new management IP address and management port are different from the ones currently configured on the appliance, click **Force**.
 2. If you are continuing to use the same management IP address and management port, click **Failsafe**.

PAR files can also be created from the CLI. For more information, see [How to Create PAR or PCA Files on the Command Line](#). If the PAR file should be used for the setup process, copy the PAR file to the USB flash drive that you will use for installation. You can only copy one PAR file on the USB flash drive. You must name the file as **box.par**.

Barracuda NG Control Center

Two PAR files are needed to back up your Barracuda NG Control Center: The box layer box.par and the

Back Up the Barracuda NG Control Center Box Layer

To back up the Barracuda NG Control Center you must create a PAR file for the box layer and the archive.par for the Control Center configuration.

1. Log in the Box Layer of the NG Control Center.
2. Go to the **Configuration > Full Config** page.
3. Right-click **Box** and select **Create PAR file**. The **Save As** window opens.
4. Select the archive type:
 - **PAR File (*.par)** (default)
 - **Compressed PAR File (*.pgz)**
 - **Encrypted PAR File (*.pca)**
5. If you selected **Encrypted PAR file**, the **Password** window opens.
6. Click **Use Serial** Number or enter the **Password** manually.

The **box.par** file is saved to your local hard drive.

Back Up the Barracuda NG Control Center Configuration

1. Log in to the NG Control Center.
2. Go to the **Configuration > Full Config** page.
3. Right-click the **Multi-Range** and select **Create PAR file**.
4. The **Save As** window opens.
5. Select the archive type:
 - **PAR File (*.par)** (default)
 - **Compressed PAR File (*.pgz)**
 - **Encrypted PAR File (*.pca)**
6. If you selected **Encrypted PAR file**, the **Password** window opens.
7. Click **Use Serial** Number or enter the **Password** manually.

The **archive.par** file is saved to your local hard drive.

Restore the Barracuda NG Control Center Box Layer

To restore the Barracuda NG Control Center:

1. Log into the box layer of the NG Control Center.
2. Go to the **Configuration > Full Config** page.
3. Right-click **Box** and select **Restore from PAR file**. Select the required PAR / PGZ / PCA file.
4. If you are using a PCA file encrypted with a manual password, enter the **Password** and click **OK**.
5. Click **Activate**.
6. Go to the **Control > Box** page.
7. In the left navigation menu, expand **Operating System** and click **Firmware Restart**.
Click **Yes** to confirm that you want to restart the subsystem.
8. Expand **Network** and click **Activate new network configuration**.
9. Select one of the following network configuration activation modes:
 1. If the new management IP address and management port are different from the ones currently configured on the appliance, click **Force**.
 2. If you are continuing to use the same management IP address and management port, click **Failsafe**.

Restore the Barracuda NG Control Center Configuration

1. Log in to the NG Control Center.
2. Go to the **Configuration > Full Config** page. If you are prompted with warning messages, click **no**.
3. Right-click **Multi-Range** and select **Restore from PAR file**.
4. Select the required **archive.par** file.

If you are restoring the configuration of a Barracuda NG Control Center that has been reinstalled after a system crash, you must also restore the configurations of the appliances that it manages.

Managed Barracuda NG Firewall

To back up and restore the configuration of a Barracuda NG Firewall that is managed by the Barracuda NG Control Center, you must create a PAR file in the Barracuda NG Control Center and then recover the managed Barracuda NG Firewall directly.

Back Up the Managed Barracuda NG Firewall

1. Log into the Barracuda NG Control Center.
2. Click the **Config** tab.
3. In the **Config Tree**, navigate to the range and cluster for the Barracuda NG Firewall.
4. Expand **Boxes**, right-click the Barracuda NG Firewall, and select **Create PAR file for box**.
5. Select the archive type:
 - **PAR File (*.par)** (default)
 - **Compressed PAR File (*.pgz)**
 - **Encrypted PAR File (*.pca)**
6. If you selected **Encrypted PAR file**, the **Password** window opens.
7. If you selected **Encrypted PAR file**, click **Use Serial Number** or enter the **Password** manually.
8. Save the PAR file to your local hard drive.

Restore the Managed Barracuda NG Firewall

1. Log into the Barracuda NG Firewall.
2. Go to the **Config > Full Config** page.
3. Right-click **Box** and select **Restore from PAR file**. Select the PAR or PCA file you previously created for this NG Firewall in the NG Control Center.
4. If you are using a PCA file encrypted with a manual password, enter the **Password** and click **OK**.
5. Click **OK** to confirm the Emergency Override warning message.
6. Click **Activate**.
7. Go to the **Control > Box page**.
8. In the left navigation pane, expand **Operating System** and click **Firmware Restart**. Click **Yes** to confirm that you want to restart the subsystem.
9. Expand **Network** and click **Activate new network configuration**.
10. Select one of the following network configuration activation modes:
 1. If the new management IP address and management port are different from the ones currently configured on the appliance, click **Force**.

2. If you are continuing to use the same management IP address and management port, click **Failsafe**.

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