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## FSC Firmware Update

<https://campus.barracuda.com/doc/48203015/>

The Control Center manages the distribution and update process for FSC firmware updates. The admin must first update the firmware package to the Control Center and select the FSCs from the list. The Control Center then distributes the file. Afterwards, the admin can trigger the update process and monitor the progress of the update.

### Step 1. Verify the Compatibility of the FSC with the Control Center Firmware

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The following table shows the compatibility between the Control Center and FSC firmware versions. Upgrade the Control Center before updating the managed FSCs.

For more information, see [Updating F-Series Firewalls and Control Centers](#).

FSC System Version	Control Center Version
	<b>6.2.1</b>
<b>1.0.0</b>	YES

### Step 2. Download the Update Package from the Download Portal

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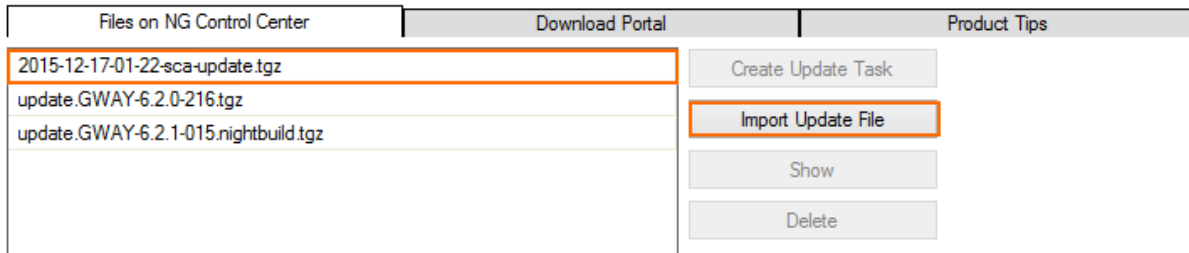
Download the update package from the Barracuda Download Portal:  
<https://dlportal.barracudanetworks.com>.

### Step 3. Import the Update Package into the Control Center

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Import the update file to the Control Center.

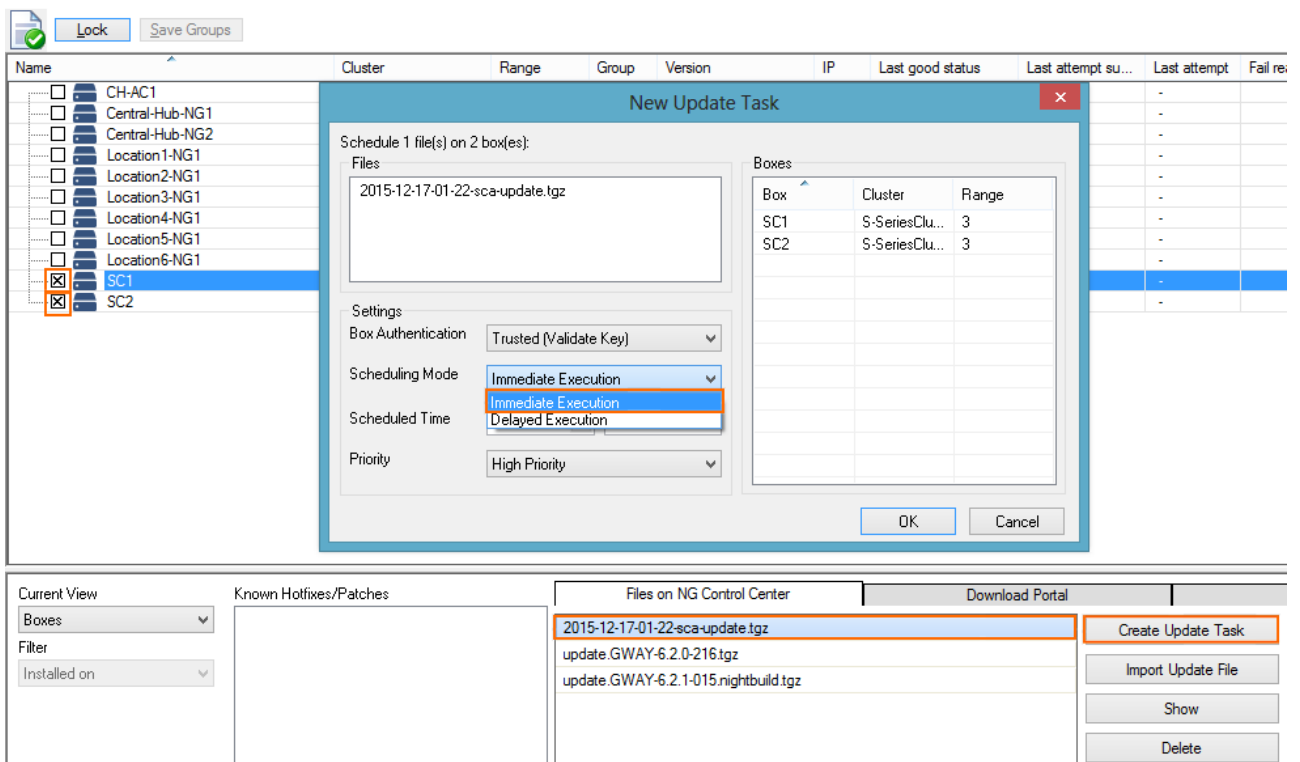
1. Log into the Control Center.
2. Go to **CONTROL > Firmware Update**.
3. In the lower half of the screen, click on the **Files on Control Center** tab.
4. Click **Import Update File** and select the update package you downloaded in Step 1.



The file is copied to the Control Center and displayed in the **Files on Control Center** tab.

### Step 4. Send the Update Package to the Systems

1. On the **Firmware Update** page, select the FSCs you want to update.
2. In the **Files on Control Center** tab, select the update package.
3. Click **Create Update Task**. The **New Update Task** window opens.
4. (optional) Select the **Scheduling Mode**.



5. Click **OK**.


The update packages are now copied to the selected remote systems. Go to **CONTROL > Update Tasks** to monitor the progress.

Box	Cluster	Range ID	Σ	RPM	Info	Status	Time	Reason
<b>4: Group 4</b>								
SC1	S-SeriesCluster	3	➤	2016-01-26-15-39-sca-update.tgz	10.33.0.1	0: Pending Copy	T	Waiting...

## Step 5. Execute the Update Package

After the update package has been copied to the FSC, trigger the update.

1. Go to **CONTROL > Update Tasks**.
2. In the  $\Sigma$  column, a green icon is displayed, verifying that the update package was sent successfully.
3. Right-click the selected FSC and select **Perform Update**.

Box	Cluster	Range ID	$\Sigma$	RPM	Info	Status	Time	Reason
1: Group 1								
SC1	S-SeriesCluster	3		2016-01-26-15-39-sc...	10.22.0.1	2: Completed Copy		T Waiting...

- Refresh
- Perform Update
- Delete Update
- Arrange Icons By ▶
- Tools ▶

4. In the **Schedule Task** window, select **Immediate Execution** from the **Scheduling Mode** list and click **OK**.

**Schedule Task** ✖

Perform Update on 1 boxes

Box Authentication: Trusted (Validate Key) ▼

Scheduling Mode: Immediate Execution ▼

Scheduled Time: 13:35:52 | 27.01.2016

Priority: High Priority ▼

OK
Cancel

Wait for the update to finish.

Secure Connectors will reboot after the update has been applied.

## Step 6. Migrate the Configuration Version of the Cluster

If you are updating to a new major version, you must migrate the cluster version after the update has completed.

### Update the Clusters Individually

1. Open the cluster you just updated (**CONFIGURATION > Configuration Tree > Multi-Range**

> ***your range > your cluster***).

2. Right-click on the cluster and select **Lock**.
3. Right-click on the cluster and select **Migrate Cluster**.
4. Select the new **Release** version.
5. Click **OK**.
6. Click **Activate**.

#### **Update all the Clusters in a Range**

If all clusters in the range are on the same firmware version, you can migrate all clusters simultaneously.

1. Open the range containing the clusters you just updated (**CONFIGURATION > Configuration Tree > Multi-Range > *your range***).
2. Right-click on the range and select **Lock**.
3. Right-click on the range and select **Migrate Range**.
4. Select the new **Release** version.
5. Click **OK**.
6. Click **Activate**.

#### **Troubleshooting / Logs**

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To troubleshoot updates on the FSC you must enable **persistent logging** and review the **/var/phion/logs/installUpdate.log** file. Do not permanently enable persistent logging, as it impacts the lifetime of the sdcard.

## Figures

1. import\_update.png
2. create\_update.png
3. Bild 009.png
4. FW\_Update\_01.png
5. FW\_Update\_02.png

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