

## How to Update Control Center-Managed CloudGen Firewalls

<https://campus.barracuda.com/doc/96026408/>

A Control Center can manage multiple clusters with each cluster using a different firmware version. However, the Control Center can only manage firewalls running the same or older firmware versions as the firmware version of the Control Center. Therefore, you cannot configure 7.2.0 features with a Control Center that is running firmware older than 7.2.0. It is also not possible to mix different major firmware versions in a cluster. If required, update your Control Center before updating your managed firewalls to a newer firmware version. After major version updates, the cluster version on the Control Center must be migrated to match the new firmware version.

The Control Center checks every hour for updates relevant to the configured cluster versions. It can take up to one hour for the updates, hotfixes, and patches to be displayed when a new cluster with a previously unused cluster version is created.

### Before You Begin

If you are using SSL Inspection on your border firewall, you must add **dlportal.barracudanetworks.com** and **d.barracudanetworks.com** to the SSL Inspection **Domain Exceptions** on the **your CloudGen Firewall > Assigned Services > Firewall > Security Policy** page. To use SSL Inspection the **Feature Level** of the Forwarding Firewall must be set to **7.2** or higher. For more information, see [SSL Inspection in the Firewall](#).

#### Exception Handling

Domain Exceptions



### Step 1: Verify the Compatibility of the Control Center Firmware with the Managed Firewalls

Before updating a managed firewall to a higher firmware version, verify that the Control Center is running a firmware version that is equal to or higher than the highest firmware version used by a managed firewall after the update.

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

## Step 2. Download the Update Package to the Control Center

Download the update package 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 the **Download Portal** tab.
4. Move the mouse over the desired update package to display the download icon.

Download Portal					Files on Control Center
Filter	Filter	Filter	Filter	Filter	
Scope	Type	Release Date	For Versions	Name	
Maintenance	Package	24.08.2016	7.0	Hotfix 789 - Cumulative Hotfix	
Maintenance	Package	03.08.2016	7.0	Hotfix 793 - Virscan Service	
Maintenance	Package	03.08.2016	6.1	Hotfix 795 - Virscan Service	
Maintenance	Package	11.07.2016	6.0, 6.1, 6.2	Update package for NextGen F-Series from 6.X to 6.2.2	
Maintenance	Package	03.06.2016	6.0, 6.1, 6.2, 7.0	Update package for NextGen F-Series from 6.X to 7.0.0	
Maintenance	Package	05.05.2016	6.1	Hotfix 776 - SSLv2	
Maintenance	Package	23.03.2016	6.1	Hotfix 766 - DNS Server	
Security	Package	23.02.2016	6.1	Hotfix 749: glibc (CVE-2015-7547)	
Maintenance	Package	15.02.2016	6.0, 6.1, 6.2	Barracuda NG Firewall and NG Control Center 6.2.1 Update Package to update from 6.0.x and 6.1.x	
	App				

5. Click the download icon, and select **Download**.

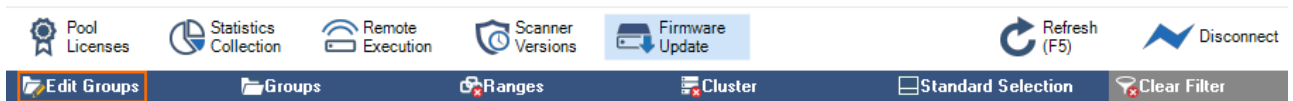
Download Portal					Files on Control Center
Filter	Filter	Filter	Filter	Filter	
Scope	Type	Release Date	For Versions	Name	
Maintenance	Package	24.08.2016	7.0	Hotfix 789 - Cumulative Hotfix	
Maintenance	Package	03.08.2016	7.0	Hotfix 793 - Virscan Service	
Maintenance	Package	03.08.2016	6.1	Hotfix 795 - Virscan Service	
Maintenance	Package	11.07.2016	6.0, 6.1, 6.2	Update package for NextGen F-Series from 6.X to 6.2.2	
Maintenance	Package	03.06.2016	6.0, 6.1, 6.2, 7.0	Update package for NextGen F-Series from 6.X to 7.0.0	
Maintenance	Package	05.05.2016	6.1		
Maintenance	Package	23.03.2016	6.1		
Security	Package	23.02.2016	6.1		
Maintenance	Package	15.02.2016	6.0, 6.1, 6.2		
	App				

After the download finishes, the update package is available in the **Files on Control Center** tab.

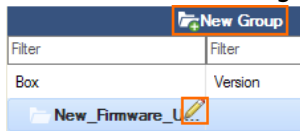
Download Portal					Files on Control Center
					<input type="button" value="Schedule File Transfer"/> <input type="button" value="Import local File"/>
Scope	Type	Release Date	For Versions	Name	
Maintenance	Package	16.03.2017	6.0, 6.1, 6.2, 7.0	Update package for NextGen F-Series from 6.X and 7.0.X to 7.0.2	

## Step 3. (optional) Create Update Groups

1. Go to **CONTROL > Firmware Update**.
2. In the ribbon bar, click **Edit Groups**.



- Click **New Group**. A new update group is created in the list.
- Hover over the new group and click the edit icon.



- Enter a name for the update group.
- (optional) Use the Filter options to display the firewalls you want to add to this group.

New Group	Remove Group	Save Changes	Discard Changes	Edit Groups	Groups
HQ-NG	Filter	Filter	Filter	Filter	Filter
Box	Version	Hotfixes	IP	Unit Description	Primary Server
Default Group					
HQ-NG1	7.1.0-290.ni...	10.0.10.33	Headquarters	VIRT1_HQ_1	05.04.2017 08:50:56
HQ-NG2	7.1.0-290.ni...	10.0.10.34	Headquarters HA	VIRT1_HQ_1	05.04.2017 08:50:04
HQFirewalls					

- Select, then drag and drop firewalls to the new user group.
- Click **Save Changes**.

New Group	Remove Group	Save Changes	Discard Changes	Edit Groups	Groups
HQ-NG	Filter	Filter	Filter	Filter	Filter
Box	Version	Hotfixes	IP	Unit Description	Primary Server
Default Group					
HQFirewalls					
HQ-NG1	7.1.0-290.ni...	10.0.10.33	Headquarters	VIRT1_HQ_1	05.04.2017 08:50:56
HQ-NG2	7.1.0-290.ni...	10.0.10.34	Headquarters HA	VIRT1_HQ_1	05.04.2017 08:50:04

### Step 3. Schedule the Firmware Update File Transfer

- Go to **CONTROL > Firmware Update**.
- Double-click each firewall and/or update group. The firewalls are added to the **Selected Firewall Update List**.

New Group	Remove Group	Save Changes	Discard Changes	Edit Groups	Groups
Filter	Filter	Filter	Filter	Filter	Filter
Box	Version	Hotfixes	IP	Unit Description	Primary Server
Default Group					
BO2-NG1	7.1.0-278.ni...	10.0.11.81		VIRBO2_BO1-2_1	27.03.2017 16:08:40
HQ-BACKUP-NGF1	7.0.2-094	10.0.10.63	ATD Single NG F...	ATDVIRT_HQ-B...	04.04.2017 13:55:36
ZTD-NGF1	7.1.0-250.ni...	10.0.11.201		S1_ZTDCler_1	06.03.2017 16:48:12
BO1-NG1	7.1.0-278.ni...	10.0.11.80		VIRBO1_BO1-2_1	27.03.2017 16:08:39
Selected Units for new Update Task					
Box	Version	Hotfixes	IP	Unit Description	Primary Server
HQ-NG1	7.1.0-290.ni...		10.0.10.33	Headquarters	VIRT1_HQ_1
HQ-NG2	7.1.0-290.ni...		10.0.10.34	Headquarters HA	VIRT1_HQ_1

- In the **Files on Control Center** tab, select the update package.
- Click **Schedule File Transfer**. The **New Update Task** window opens.

Download Portal				Files on Control Center	
				<b>Schedule File Transfer</b>	Import local File
Scope	Type	Release Date	For Versions	Name	
Maintenance	Package	16.03.2017	6.0, 6.1, 6.2, 7.0	Update package for NextGen F-Series from 6.X and 7.0.X to 7.0.2	
Maintenance	Package	22.11.2016	7.0	Hotfix 812 - DNS Server	
Maintenance	Package	17.11.2016	7.0	Hotfix 811 - SSL VPN	
Maintenance	Package	10.11.2016	7.0	Hotfix 809 - Public Cloud VPN Service	

5. (optional) Select the **Scheduling Mode** and **Schedule Time** to schedule a time for the file transfer.

**New Update Task**

Schedule 1 file(s) on 2 box(es):  
 Files  
 update.GWAY-7.0.2-094.tgz

Boxes
 

Box	Cluster	Range
HQ-NG1	HQ	1
HQ-NG2	HQ	1

Settings  
 Box Authentication: Trusted (Validate Key)  
 Scheduling Mode: **Immediate Execution**  
 Scheduled Time: 12:29:50 05.04.2017  
 Priority: High Priority

OK Cancel

6. Click **OK**.

The update packages are now copied to the selected remote systems.

## Step 4. Execute the Update Package

- Go to **CONTROL > Firmware Update**.
- In the **File Transfer Status** column, select **Completed Transfer**. The list of firewalls with completed transfers is displayed.

Firmware Update		Refresh (F5)	Disconnect
Cluster	Extended Selection	Clear Filter	
<Completed Transfer>	Filter	Filter	
File Transfer Status	Transfer Time	Transfer Info	
update.GWAY-7.1.0-...	09.05.2017 0...	Update ready to activate	

- Select the firewalls to perform the update. Select multiple firewalls by holding down the CTRL (Strg) key.
- Right-click the selected firewalls and click **Perform Update**. The **Schedule Task** window opens.

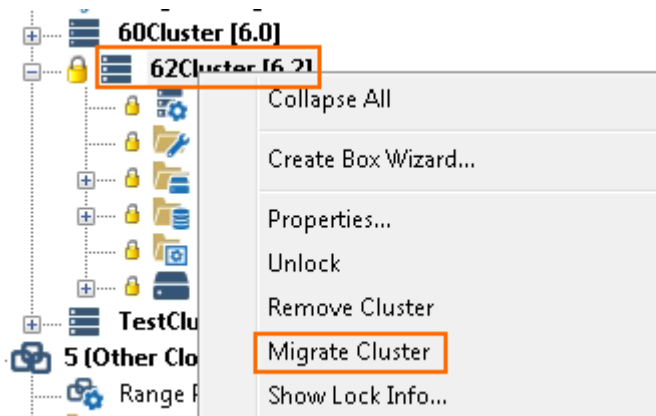
5. (optional) Configure the time and authentication settings for the update:
  - **Box Authentication** – Select **Trusted (Validate Key)**.
  - **Scheduling Mode** – Select **Immediate Execution** to update immediately, or **Delayed Execution** to set the time the update is triggered
  - **Priority** – When multiple tasks are configured for execution, the priority setting determines the execution order.

6. Click **OK**.

Unless otherwise noted, the appliance will reboot after the update.

If you are updating to a new major version (e.g., 6.0 to 6.2, or 6.2 to 7.1), migrate the cluster version to the new major version after the update has completed. Multiple migrations may be required to reach the cluster version matching the firmware version.

1. Go to **CONFIGURATION > Configuration Tree > Multi-Range > *your range* > *your cluster***.
2. Right-click the cluster and select **Lock**.
3. Right-click the cluster and select **Migrate Cluster**.

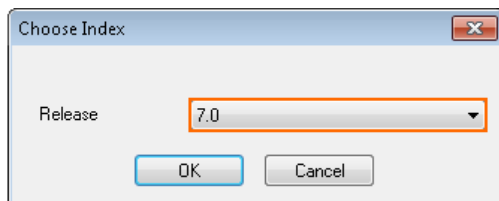


4. Select the new **Release** version.
5. Click **OK**.
6. Click **Activate**.

### Update All Clusters in a Range

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

1. Go to **CONFIGURATION > Configuration Tree > Multi-Range > your range**.
2. Right-click the range and select **Lock**.
3. Right-click the range and select **Migrate Range**.
4. Select the new **Release** version.
5. Click **OK**.



6. Click **Activate**.

Migrating the cluster version may have to be done multiple times if the firmware update skipped major firmware versions. E.g., When updating from 6.0 to 7.0.

### Troubleshooting / Logs

After the update process, review the **Box\Release\update** or **Box\Release\update\_hotfix** log for each system to verify that it was successfully updated. To view a system log, you must connect directly to the firewall and go to the **Logs** tab.

## Figures

1. fw\_update00.png
2. cc\_update\_element\_01.png
3. cc\_update\_element\_02.png
4. cc\_update\_element\_03.png
5. fwupdate\_groups\_01.png
6. fwupdate\_groups\_02.png
7. fwupdate\_groups\_03.png
8. fwupdate\_groups\_04.png
9. managed\_updates\_01.png
10. managed\_updates\_02.png
11. managed\_updates\_03.png
12. managed\_updates\_04.png
13. managed\_updates\_05.png
14. managed\_updates\_06.png
15. managed\_updates\_07.png
16. managed\_updates\_08.png

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