

CC Firmware Update Page

<https://campus.barracuda.com/doc/41115986/>

The **Firmware Update** page is intended for execution of software updates on CC-managed Barracuda NG Firewall boxes. The handling of remote software updates is very similar to the remote execution facility described under: [CC Remote Execution Page](#). For information on how to import software packages and perform firmware updates, see the example on the [CC Update Tasks Page](#). To access the **Firmware Update** page on the Barracuda NG Control Center, open the **Control** tab and click the **Firmware Update** icon in the ribbon bar.

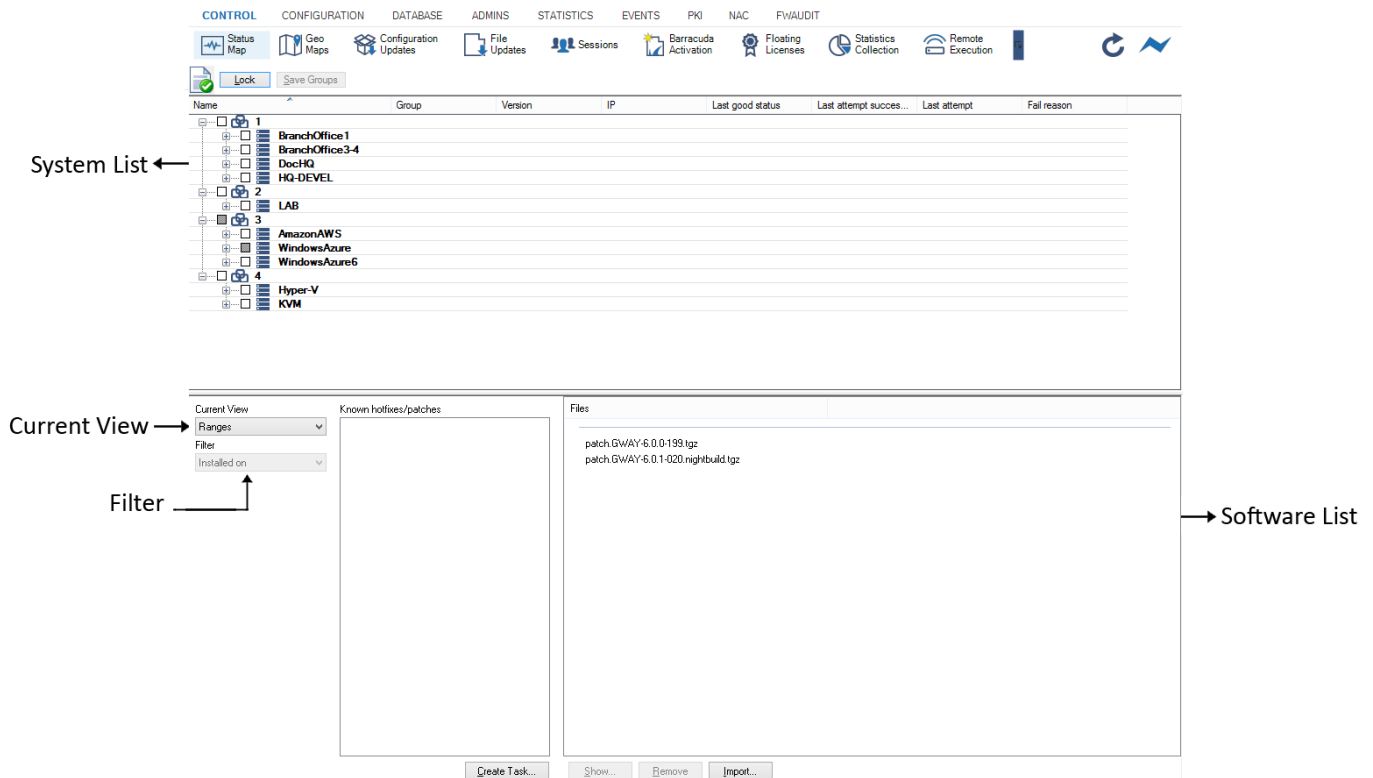
Valid software packages are RPM files for release updates and service packs (SP) and zipped tar files (*.tgz archives) for software hot fixes.

Only use RPMs provided by Barracuda Networks. However, if you are forced to install an arbitrary RPM, you must verify that the installed software is compatible with the Barracuda NG Firewall components present. Hotfixes are zipped TAR files that include the package data and a script called 'doit'. The activation procedure simply unpacks the TAR file in a temporary directory and then calls the "doit" script within this directory. The script then copies the package file to the proper location. You can create your own hotfixes and use them to distribute files among your boxes.

In this article:

System List

In the system list in the top section of the page, administrative entities can be arranged in views corresponding to the structure of the Barracuda NG Control Center configuration tree. To select a view, expand the **Current View** menu box within the view/filter section in the bottom left panel and select a view.



Each view includes detailed information about every system the Barracuda NG Control Center administers. The information is arranged in the following columns (not all columns are available in every view.):

- **Name** - The name of the CC-administered box.
- **Cluster** - The name of the cluster the box resides in.
- **Range** - Displays the name of the range that the cluster and box belong to.
- **Group** - Displays the name of the group the box has been assigned to.
- **Version** - Lists the software version installed on the box.
- **IP** - Displays the management IP address of the box.
- **Last good status** - Shows the time that has passed since the CC has fetched status information from a box successfully. Barracuda NG Firewalls propagate status information to the CC actively. Information that has been "pushed" to the CC by these systems is flagged with P in the column listing.
- **Last attempt successful** - This column indicates if the last attempt to retrieve status information from a box was successful (yes/no).
- **Last attempt** - If the last attempt to retrieve status information from a box was unsuccessful, this column indicates the time that has passed since then.
- **Fail reason** - This column lists the reason for status information update failure.

An administrator sees only ranges, clusters, and boxes of his/her scope.

The right-click context menus available in the system list are dependant on the view that has been defined. To enable group-related context menu items, click the **Lock** button on top of the page.

Groups View

When selected in **Current View**, the **Groups** view allows you to define administrative groups of boxes in order to facilitate installation of updates on boxes with similar configurations.

Only a root administrator is allowed to edit groups (create, delete, and rename group).

Create a Group

To create a group, proceed as follows:

1. Click **Lock** on top of the page.
2. Right-click any item in the system list and select **Create Group**.
3. Specify a group name (the characters "" and "|" are not allowed for group names. These characters will be replaced by an underdash (_)).
4. Click **Save Groups** on top of the page.

To delete a group, right-click the group and select **Remove**. To save your configuration, click **Save Groups** again in the action bar.

When a group is deleted, boxes assigned to it are automatically moved to the group '!unassigned'. You cannot delete or rename the preconfigured group element '!unassigned'.

Note that the preconfigured group element **!unassigned** cannot be deleted or renamed. When a group is deleted, boxes assigned to it are automatically moved to the group **!unassigned**.

Assign a Group

To assign a Barracuda NG Firewall box to a group, proceed as follows:

1. Click **Lock**.
2. Click a box and drag it to the group it should be assigned to.
3. Click **Save Groups**.

Ranges View

When selected in **Current View**, the **Ranges** view groups information about CC-managed units based on ranges to provide a better overview of the structure.

Boxes View

The **Boxes** view lists all Barracuda NG Firewall boxes in alphabetical order. To view detailed box information, double-click a box in the system list. This opens the **Details** window that includes the following tabs:

- **Log** – This tab contains the log messages related to the last software update. Information can be reloaded from the CC by clicking **Reload** or cleared from the window by clicking **Clear**. Note that log entries are not cleared from the logfiles on the box itself.
- **Versions** – This tab lists important modules installed on the box and their corresponding version numbers.
- **RPMs** – This tab lists all RPMs installed on the box and indicates their status.

Right-clicking a box makes the following entries available:

- **Trigger reload** – Triggers the Barracuda NG Control Center to retrieve current status information from a unit. This procedure might take a few seconds. Update the list to reload the view in Barracuda NG Admin.
Status information for boxes pushing content actively (flagged with **P** in the listing) is always reloaded when **Trigger Reload** is executed on any system.
- **Check/Uncheck all** – Select/deselect all systems displayed in the listing. For selected systems, update tasks can be created (see: [CC Update Tasks Page](#)).

Filter Options

In order to easily recognize systems with identical software versions, filtering options are available in the left section of the page. Based on the filter selection, boxes can then be selected and scheduled for update concurrently. The **Known hotfixes/patches** field lists all patches that have already been installed on an arbitrary number of boxes and have been recognized by the Barracuda NG Control Center.

Define a Filter

To define filter settings based on a system's software version, proceed as follows:

1. Click **Lock**.
2. Select an update listed in the **Known hotfixes/patches** field.
3. Select **Installed on** in the **Filter** dropdown box to include boxes that have been installed with the patch into the view in the **System** list. Otherwise, select **Not installed on** in the **Filter** list to exclude these boxes from the view.

Software List

Update packages for CC-administered boxes must be imported into the software list. From there they can then be selected in order to create corresponding update tasks for execution. Current update packages can be downloaded from the Barracuda Networks homepage. To execute operations, the following options are available in the action bar:

- **Import** - Allows import a software package into the Barracuda NG Control Center.
- **Show** - Displays software package information. This information can also be displayed by double-clicking a selected software package.
- **Remove** - Deletes an uploaded software package from the CC.

Uploaded software packages are stored in `/opt/phion/rangetree/exec/rpms` on the Barracuda NG Control Center. The partition this folder resides in is 2 GB. To prevent the CC from running out of disk space, regularly delete outdated update packages from the software list.

Figures

1. cc_fwupdate.png

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