

## How to Update High Availability Clusters

<https://campus.barracuda.com/doc/46209037/>

To prevent downtime when updating your high availability cluster, block the virtual server on the secondary firewall. Then update the firmware on the secondary firewall. After the update, transfer the virtual server to the updated firewall and repeat the process with the primary firewall. Each firewall can only be updated to the next firmware version according to the migration path. If two updates are required, repeat the process below for each update package.

It is not possible to synchronize an HA unit that is running a version that is not the direct predecessor or successor in the migration path.

### Step 1: Stop the Server on the Secondary Unit

1. Log into the secondary unit with Barracuda NextGen Admin.
2. Block the (standby) server. On the **CONTROL > Server** page, select the server and click **Block Server**.

When you block the server, the Control service shuts it down and sends a signal that starts the server on the HA partner unit. Keep in mind that when you block a server, the Control service is not able to perform automatic failovers.

Server Status			
Server	Status	Status HA Partner	IP Addresses
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console login prompt.

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### Step 3: Switch All Servers to the Secondary Unit

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1. Log into the secondary unit with Barracuda NextGen Admin.
2. Verify that the secondary unit is operating correctly.
3. On the secondary unit, stop the (standby) server. On the **CONTROL > Server** page, select the server and click **Stop Server**.

When you stop a server after it has been blocked, you are re-enabling the Control service to perform automatic failovers. When the server on an HA unit goes down or is blocked, the Control service automatically starts the server on its partner unit.

4. Log into the primary unit with Barracuda NextGen Admin.
5. Block the primary unit servers. On the **CONTROL > Server** page, select all servers and click **Block Server**.

All the servers are taken over by the secondary unit.

You may leave the primary unit in standby mode until you have verified that the secondary unit is operating correctly. You can verify this by stopping the primary unit servers. If functional errors occur on the secondary unit, you may switch the servers back to the primary unit.

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### Step 4: Update the Primary Unit

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Update the primary unit via SSH or NextGen Admin. For instructions, see [Migrating to 6.2](#).

Do not interrupt the update. The updated system will reboot and display the new version on the console login prompt.

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### Step 5: Switch All Servers Back to the Primary Unit

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1. Log into the primary unit with Barracuda NextGen Admin.
2. Verify that the primary unit is operating correctly.
3. On the primary unit, re-enable all servers. On the **CONTROL > Server** page, select all servers and click **Stop Server**.
4. Log into the secondary unit with Barracuda NextGen Admin.
5. On the secondary unit, block all the servers. On the **CONTROL > Server** page, select the servers and click **Block Server**.

6. Verify that the primary unit is operating correctly.
7. On the secondary unit, set all the servers back to standby. On the **CONTROL > Server** page, select the servers and click **Stop Server**.

## Figures

### 1. Update02.png

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