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## How to Activate and License a Barracuda NG High Availability Cluster

<https://campus.barracuda.com/doc/41115846/>

For a high availability cluster, each unit must have its own licenses. Both units must be joined in an HA cluster before activating the licenses, and NG Admin must be able to connect to the Internet. You must activate the licenses for the secondary unit before activating the licenses for the primary unit.

### In this article:

### Before You Begin

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Create an HA cluster by following the instructions described in [How to Set Up a High Availability Cluster](#).

### Step 1. Activate the Secondary Unit

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Depending on which type of deployment you are using, complete one of the following activation procedures:

- **Hardware Unit** – [How to Activate and License a Standalone Hardware Barracuda NG Appliance](#)
- **Virtual or Cloud Unit** – [How to Activate and License a Standalone Virtual Barracuda NG Firewall](#) if you are using Barracuda NG Vx units.

After NG Admin activates the unit, it recognizes its HA partner status and waits for the licenses to be activated and downloaded to the primary unit. After the licenses have been successfully retrieved, a notification window appears, and the **Activation State** switches to **Current**.

### Step 2. Activate and License the Primary Unit

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Depending on which type of deployment you are using, complete one of the following activation procedures:

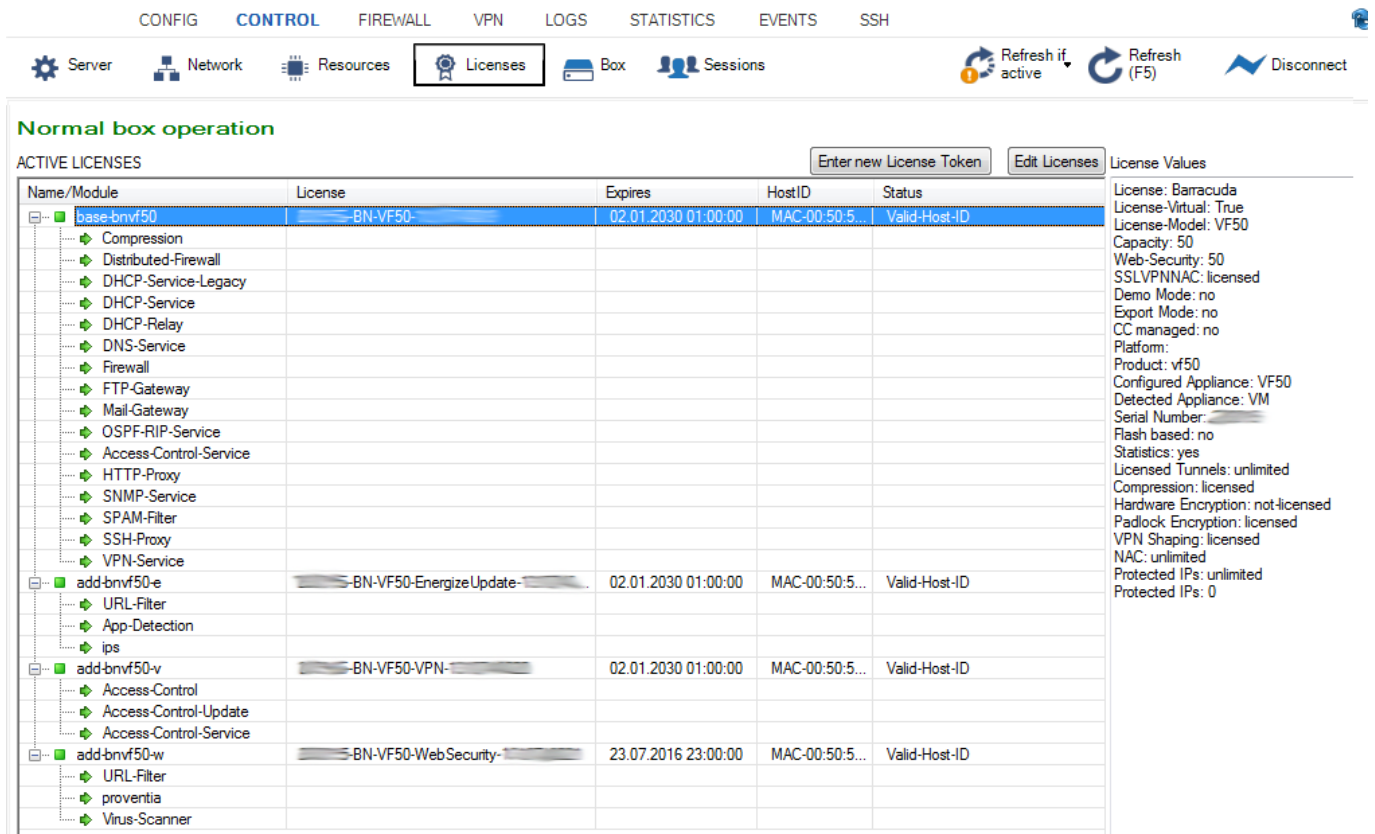
- **Hardware Unit** – [How to Activate and License a Standalone Hardware Barracuda NG Appliance](#)

- **Virtual or Cloud Unit** – [How to Activate and License a Standalone Virtual Barracuda NG Firewall](#) if you are using Barracuda NG Vx units.

Following activation, licenses for the primary and secondary units are downloaded to the primary unit. The secondary unit automatically receives its license via HA Sync.

### Step 3. Verify the License Status on your High Availability Units

Both units in the HA cluster are now licensed. Verify that all your purchased licenses are listed on the **Status > Licenses page** and that the status is **Normal box operation**.



The screenshot shows the 'Licenses' page in the Barracuda CloudGen Firewall interface. The page title is 'Normal box operation'. At the top, there are navigation tabs: CONFIG, CONTROL, FIREWALL, VPN, LOGS, STATISTICS, EVENTS, and SSH. Below these are icons for Server, Network, Resources, Licenses (highlighted), Box, and Sessions. There are also buttons for 'Refresh if active', 'Refresh (F5)', and 'Disconnect'.

The main content area is titled 'ACTIVE LICENSES' and contains a table with the following columns: Name/Module, License, Expires, HostID, and Status. The table lists several licenses, including 'base-bnrvf50', 'add-bnrvf50-e', 'add-bnrvf50-v', and 'add-bnrvf50-w'. Each license entry has a tree view of modules associated with it.

On the right side of the table, there is a 'License Values' section with the following details:

- License: Barracuda
- License-Virtual: True
- License-Model: VF50
- Capacity: 50
- Web-Security: 50
- SSLVPNAC: licensed
- Demo Mode: no
- Export Mode: no
- CC managed: no
- Platform:
- Product: vf50
- Configured Appliance: VF50
- Detected Appliance: VM
- Serial Number: [redacted]
- Flash based: no
- Statistics: yes
- Licensed Tunnels: unlimited
- Compression: licensed
- Hardware Encryption: not-licensed
- Padlock Encryption: licensed
- VPN Shaping: licensed
- NAC: unlimited
- Protected IPs: unlimited
- Protected IPs: 0

### Troubleshooting

Activating the primary unit prior to the secondary unit prevents the primary unit from retrieving the secondary unit's licenses. Reboot the primary unit and perform a complete HA update to download and install the licenses correctly.

## Figures

1. License-overview.png

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