

How to Activate and License a Standalone High Availability Cluster

<https://campus.barracuda.com/doc/98210666/>

In a high availability cluster, each member must have its own licenses. The firewalls must be joined in a high availability cluster before activating the licenses, and both the client running Barracuda Firewall Admin and the firewalls must be able to connect to the Barracuda licensing servers. Always activate the licenses for the secondary firewall before activating the licenses for the primary firewall.

Before You Begin

Create a high availability cluster. For more information, see [How to Set Up a High Availability Cluster](#).

Step 1. Activate the Secondary Firewall

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

- **Hardware Firewall** – [How to Activate and License a Stand-alone Hardware CloudGen Firewall Appliance](#)
- **Virtual or Cloud Firewall** – [How to Activate and License a Stand-Alone Virtual or Public Cloud Firewall or Control Center](#) if you are using Barracuda CloudGen Firewall Vx firewalls.

When activating virtual or cloud boxes, make sure that **Product Type** and **Hardware Model** in the HA **Box Properties** configuration match your license.

After Barracuda Firewall 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 Firewall

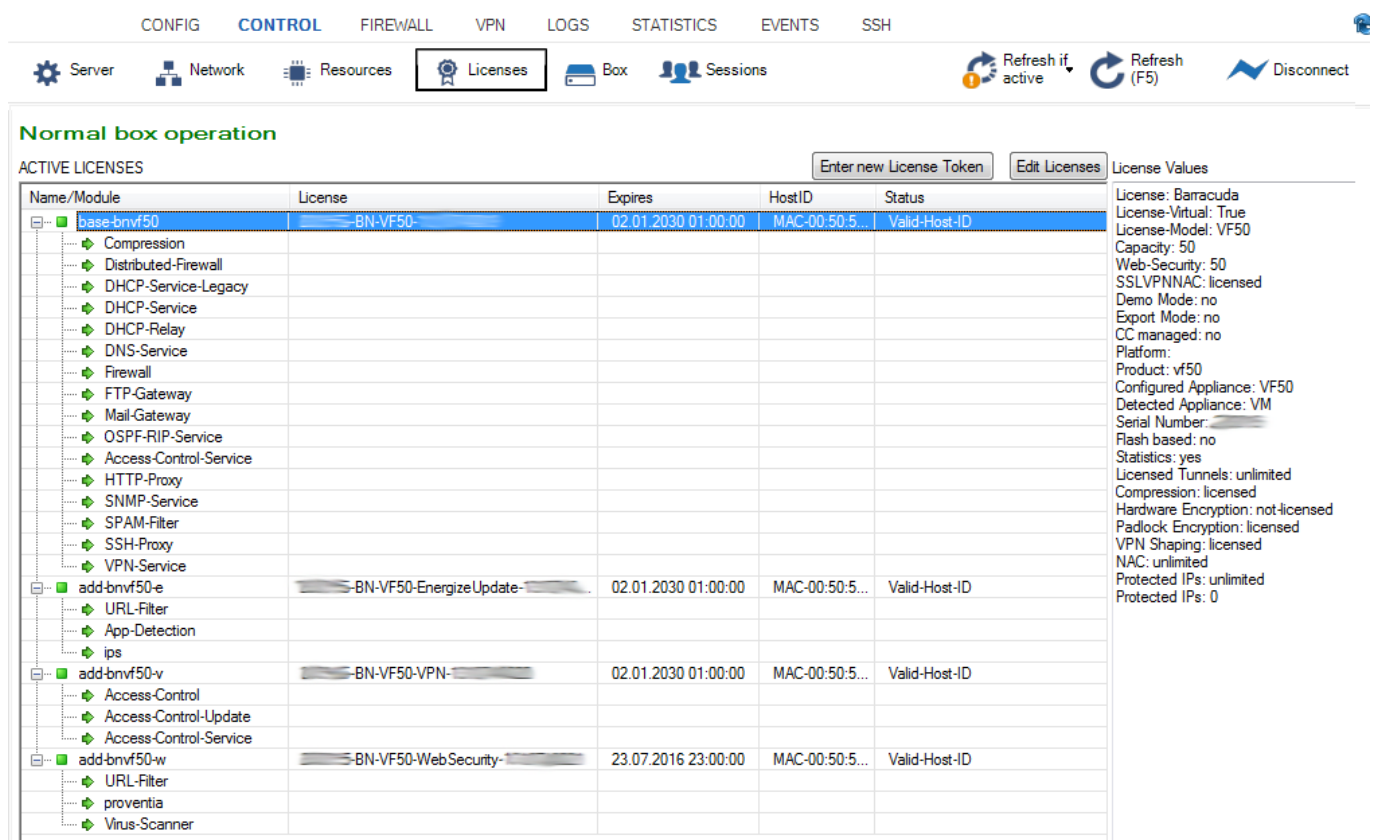
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Following activation, licenses for the primary and secondary units are downloaded to the primary unit. The secondary unit automatically receives its license via HA Sync.

Step 3. Verify the License Status

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



Normal box operation

ACTIVE LICENSES

Name/Module	License	Expires	HostID	Status
base-bnrf50	BN-VF50	02.01.2030 01:00:00	MAC-00:50:5...	Valid-Host-ID
Compression				
Distributed-Firewall				
DHCP-Service-Legacy				
DHCP-Service				
DHCP-Relay				
DNS-Service				
Firewall				
FTP-Gateway				
Mail-Gateway				
OSPF-RIP-Service				
Access-Control-Service				
HTTP-Proxy				
SNMP-Service				
SPAM-Filter				
SSH-Proxy				
VPN-Service				
add-bnrf50-e	BN-VF50-Energize Update	02.01.2030 01:00:00	MAC-00:50:5...	Valid-Host-ID
URL-Filter				
App-Detection				
ips				
add-bnrf50-v	BN-VF50-VPN	02.01.2030 01:00:00	MAC-00:50:5...	Valid-Host-ID
Access-Control				
Access-Control-Update				
Access-Control-Service				
add-bnrf50-w	BN-VF50-WebSecurity	23.07.2016 23:00:00	MAC-00:50:5...	Valid-Host-ID
URL-Filter				
proventia				
Virus-Scanner				

License Values

- License: Barracuda
- License-Virtual: True
- License-Model: VF50
- Capacity: 50
- Web-Security: 50
- SSLVPN/NAC: licensed
- Demo Mode: no
- Export Mode: no
- CC managed: no
- Platform:
- Product: vf50
- Configured Appliance: VF50
- Detected Appliance: VM
- Serial Number:
- 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 prior to the secondary firewall prevents the secondaries licenses to be retrieved by the primary firewall. Reboot the primary firewall and perform a complete HA update to download and install the licenses correctly.

For more information, see [Monitoring, Managing, and Rebuilding HA Clusters](#).

Figures

1. License-overview.png

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