

Services Page

<https://campus.barracuda.com/doc/98210501/>

The **Services** page lets you monitor and control services that are present on the Barracuda CloudGen Firewall. To access the **Services** page, open the **CONTROL** tab and click the **Services** icon in the ribbon bar.



The **Services** page provides space for displaying services running on stand-alone boxes and HA partners.

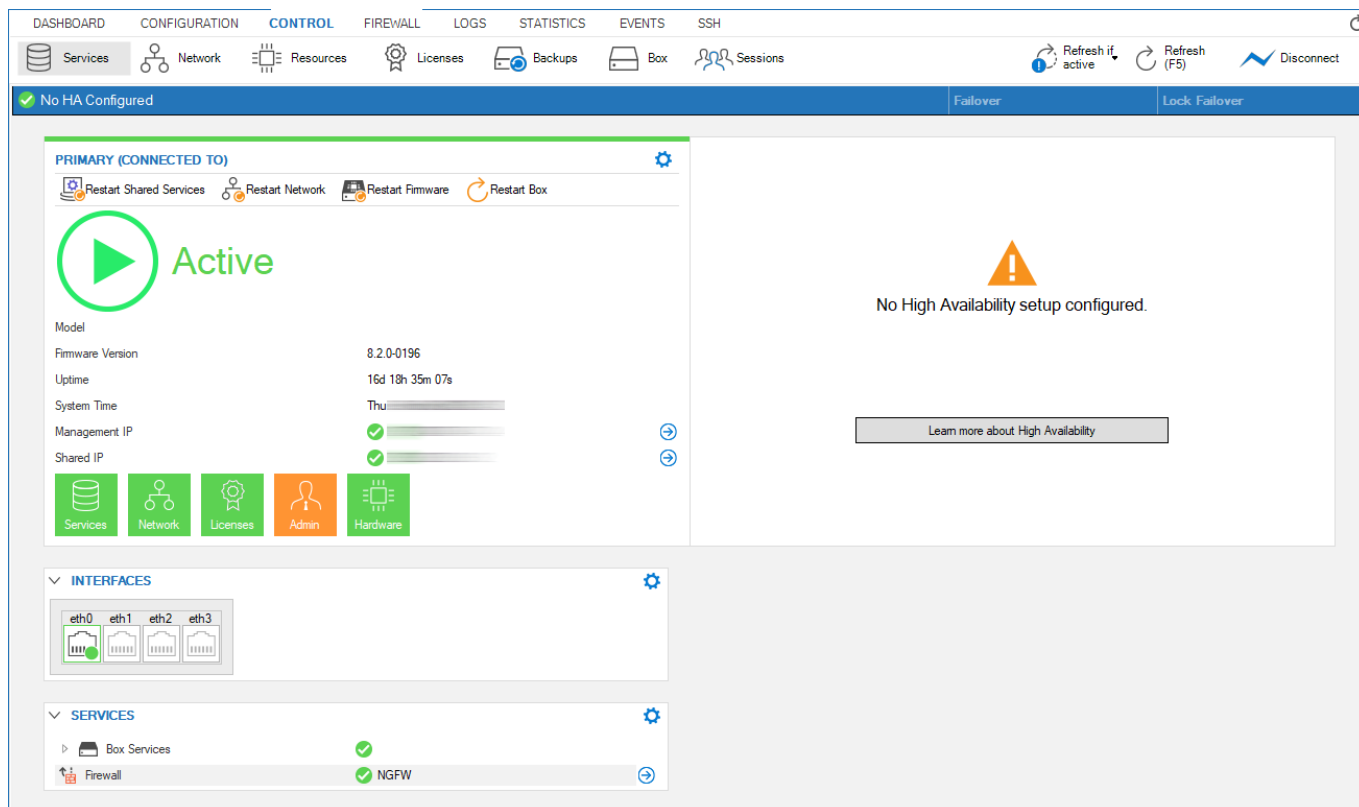
Stand-Alone Firewalls

The **Services** page organizes service-related information into an overview area and expandable elements. The overview area displays control buttons and the status of the firewall's service container and basic system information:

- **Restart Shared Services** – Click to restart all active services.
- **Restart Network** – Click to restart the network layer.
- **Restart Firmware** – Click to restart the firewall's firmware.
- **Restart Box** – Click to reboot the firewall.
- **Model** – The model description of the firewall.
- **Uptime** – The duration since the firewall has been (re-)started.
- **System Time** – The current day of the week, month, and time.
- **Management IP** – The management IP address of the firewall.
- **Shared IP** – If applicable, a list of IP addresses that are transparently shared between the primary and the secondary firewall in HA setups.

You can move (by using drag-and-drop) and modify each element according to your requirements:

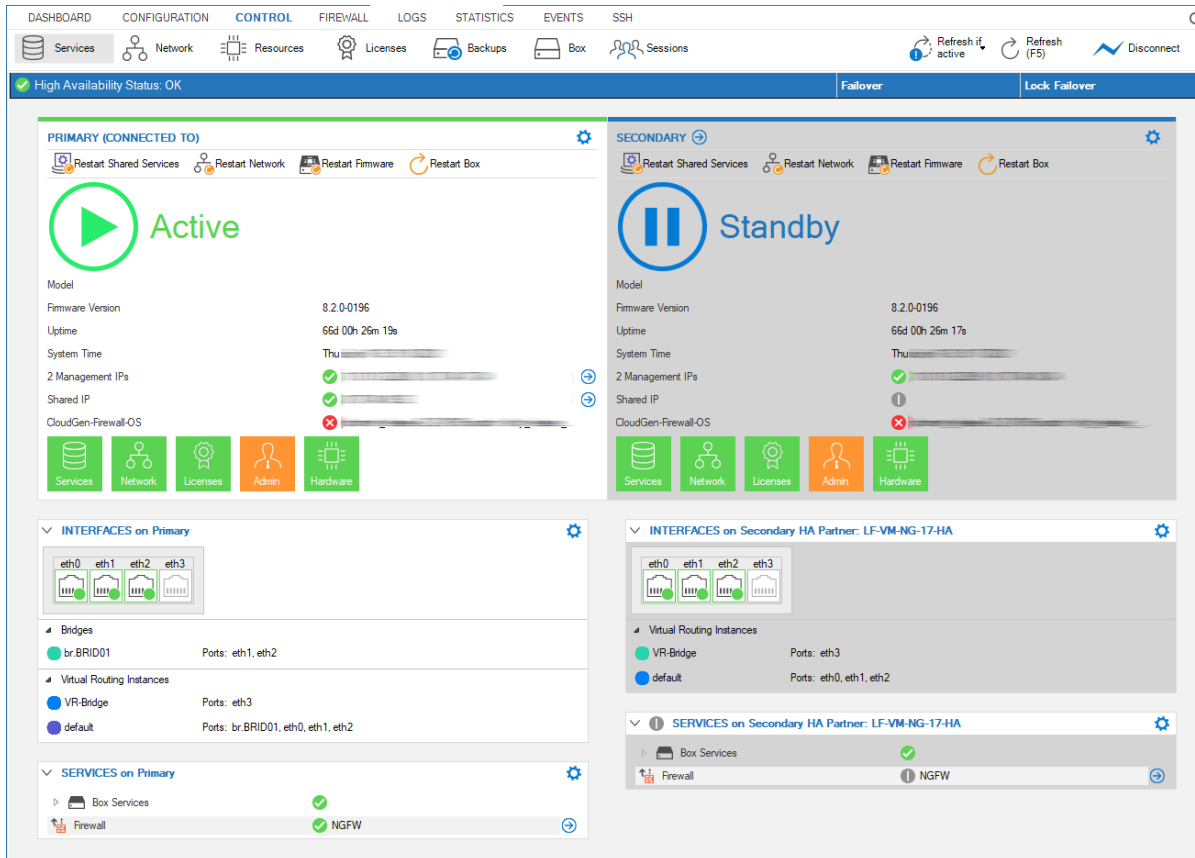
- **SERVICES** – The element displays information about all services running on the box level on the firewall.
- **INTERFACES** – The element displays information about the status of all available interfaces.



The screenshot displays the Barracuda CloudGen Firewall Control interface. The top navigation bar includes tabs for DASHBOARD, CONFIGURATION, CONTROL (selected), FIREWALL, LOGS, STATISTICS, EVENTS, and SSH. Below the navigation bar, there are icons for Services, Network, Resources, Licenses, Backups, Box, and Sessions. The main content area is divided into two panels. The left panel, titled 'PRIMARY (CONNECTED TO)', shows the firewall status as 'Active' with a green play button icon. It also displays system information: Model, Firmware Version (8.2.0-0196), Uptime (16d 18h 35m 07s), System Time (Thu), Management IP, and Shared IP. Below this, there are icons for Services, Network, Licenses, Admin, and Hardware. The right panel shows a warning icon and the text 'No High Availability setup configured.' with a button to 'Learn more about High Availability'. The bottom section of the interface shows 'INTERFACES' (eth0, eth1, eth2, eth3) and 'SERVICES' (Box Services, Firewall).

HA Partners

If an HA partner is configured, the status of both the primary and the secondary firewall is displayed. The secondary firewall is displayed to the right of the primary one with related elements below the overview area. However, the overview area will show different symbols depending on which firewall is active or on standby. These states change in case a failover is initiated on the active firewall.



The screenshot displays the Barracuda CloudGen Firewall Control Panel. At the top, there's a navigation bar with tabs: DASHBOARD, CONFIGURATION, CONTROL (selected), FIREWALL, LOGS, STATISTICS, EVENTS, and SSH. Below this is a sub-navigation bar with icons for Services, Network, Resources, Licenses, Backups, Box, and Sessions. A status bar indicates 'High Availability Status: OK' and 'Failover' mode.

The main content area is split into two columns for Primary and Secondary HA Partner status.

- PRIMARY (CONNECTED TO):** Shows a large green play button icon and the word 'Active'. It lists system details: Model, Firmware Version (8.2.0-0196), Uptime (66d 00h 26m 19s), System Time (Thu), 2 Management IPs (all green), Shared IP (green), and CloudGen-Firewall-OS (red). Below this are icons for Services, Network, Licenses, Admin, and Hardware. A section titled 'INTERFACES on Primary' shows eth0, eth1, eth2, and eth3. Under 'Bridges', 'br.BRID01' is listed with ports eth1 and eth2. Under 'Virtual Routing Instances', 'VR-Bridge' (ports eth3) and 'default' (ports br.BRID01, eth0, eth1, eth2) are listed. A 'SERVICES on Primary' section shows 'Box Services' (green) and 'Firewall' (green) with 'NGFW' (green).
- SECONDARY:** Shows a large blue pause button icon and the word 'Standby'. It lists the same system details as the primary, but the CloudGen-Firewall-OS status is red. The 'INTERFACES on Secondary HA Partner: LF-VM-NG-17-HA' section shows eth0, eth1, eth2, and eth3. Under 'Virtual Routing Instances', 'VR-Bridge' (ports eth3) and 'default' (ports eth0, eth1, eth2) are listed. A 'SERVICES on Secondary HA Partner: LF-VM-NG-17-HA' section shows 'Box Services' (green) and 'Firewall' (red) with 'NGFW' (red).





























































For more information on how to initiate a failover, see [How to Perform a Manual High Availability Failover](#).

Services

The Services element displays all services that are running on the firewall:

- **Box Services** – By clicking the small triangle left to **Box Services**, you can expand the list to see all box-level services.
- **<User configured services>** – User-configured services (e.g., Firewall, HTTP proxy, VPN, DNS) are displayed beneath and on the same indentation level as **Box Services**. The Firewall service is up and running by default on every firewall. All additional services that are configured by a user will be shown in the area below **Box Services**.


To see all box-level services that are running on the firewall, click the small triangle left to **Box Services** to expand the list:

SERVICES on Primary			
 Box Services			
 Caching-DNS	 bdns		
 Config	 boxconfig		
 Host-Firewall	 boxfw		
 Firewall Insights	 brsd		
 SMS-Control	 bsms		
 SNMP-Service	 bsnmp		
 Syslog-Streaming	 bsyslog		
 Control	 control		
 Statistics-Collector	 cstat		
 Data-Upload	 dist		
 Event	 event		
 Log	 log		
 Logwrapper	 logwrap		
 Authentication-Service	 phibs		
 Syslog-LogConverter	 psyslog		
 Statistics-Viewer	 qstat		
 REST-API-Service	 restd		
 Firewall	 NGFW		
 VPN-Service	 vpn		

User-related services, such as the Firewall and VPN service, are displayed below the label **Box Services** because they are configured on the fly.

Control Center Box-Level Services

On a Control Center, the box-level services contain an additional service for managing zero-touch deployments. Like all the other services, this service can be started, stopped, restarted, and blocked.

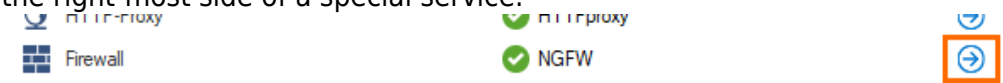
▼ SERVICES 

Box Services	✓	
Caching-DNS	✓	bdns →
Config	✓	boxconfig →
Host-Firewall	✓	boxfw →
SNMP-Service	✓	bsnmp →
Syslog-Streaming	✓	bsyslog →
Control	✓	control →
Statistics-Collector	✓	cstat →
Data-Upload	✓	dist →
Event	✓	event →
Log	✓	log →
Logwrapper	✓	logwrap →
Authentication-Service	✓	phibs →
Syslog-LogConverter	✓	psyslog →
Statistics-Viewer	✓	qstat →
REST-API-Service	✓	restd →
Zero Touch Deployment	✓	ztd →
CC-Access-Control-Service	✓	ACCESS →
Firewall	✓	CCFW →
CC-VPN-Service	✓	CCVPN →
CC-Configuration-Service	✓	CONF →
CC-Event-Service	✓	EVENT →
CC-Statistics-Collector	✓	STCOLL →
CC-Statistics-Viewer	✓	STVIEW →
CC-Data-Receiver	✓	mdist2 →

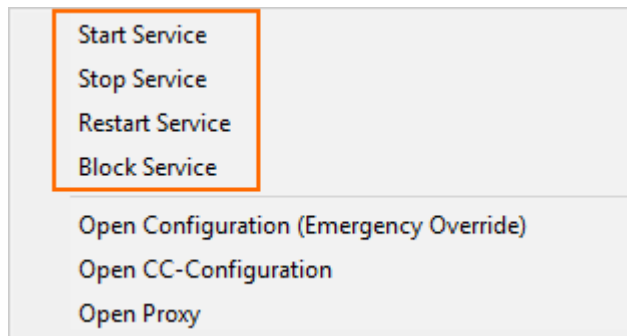
Control of Services

Start, Stop, Restart, and Block Service of Single Services

Services can be started, stopped, restarted, and blocked. To do so, click the small right-arrow icon on the right-most side of a special service.



A window will be displayed where you can trigger one of these 4 actions.



To control a service manually, you have the following options:

- **Start Service** – Start the service.
- **Stop Service** – Stop the service. The control daemon automatically restarts the service after a short period of time.
- **Restart Service** – Restart the service.
- **Block Service** – Stop the service and prevent it from being automatically restarted.

In addition, you can control a service with one of the three following menu entries:

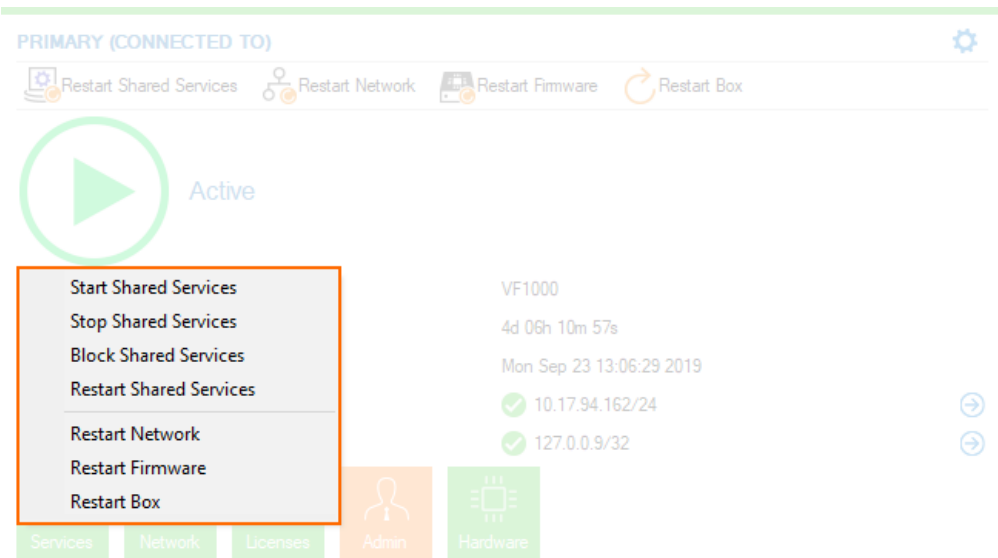
- **Open Configuration (Emergency Override)** – In case the firewall is CC-managed, you can open the configuration for local modification. The configuration will then be out of sync with the configuration on the Control Center.
After making your local changes, you must also manually synchronize configurations with the Control Center.
- **Open CC-Configuration** – In case the firewall is CC-managed, you will be redirected to the respective configuration page on the Control Center.
- **Open <your service type>** – Click this menu entry to get directed to the configuration node of the respective service.

Start, Stop, Restart, and Block Multiple Services, Restart Network, Firmware, and Box

In some situations, you might have to control multiple services at the same time or restart the network, the firmware, or the box.

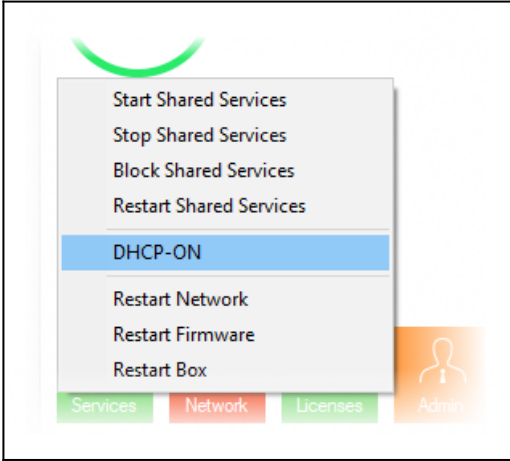

1. Click inside of the circle with the icon that displays the state of the services (e.g., Active, Standby, Blocked).
2. A small window displays a list of the options.
3. Click on the list entry of the action you want to trigger:
 1. **Start Shared Services** – Starts all services at the same time.
 2. **Stop Shared Services** – Stops all services at the same time.
 3. **Block Shared Services** – All services will be blocked.
 4. **Restart Shared Services** – All services will be restarted.
 5. **Restart Network** – Restarts the network layer.
 6. **Restart Firmware** – Restarts the firmware of the firewall.

7. **Restart Box** – Restarts the box layer.



Alternatively, you can also click one of the icons above the circle icon, e.g., **Restart Shared Service**, **Restart Network**, **Restart Firmware**, or **Restart Box**.

The content of the menu list in the image above varies. It depends on the content of the menu list in **CONTROL > Box, left navigation bar, Dynamic Networks**, which is inserted into the menu list above the separator line:

CONTROL > Services		CONTROL > Box > Dynamic Networks
	< inserted into >	

Figures

1. services_control_menu_01.png
2. control_tab_02_01.png
3. services_window_ha_active_02_01.png
4. list_services.png
5. cc_box_level_services.png
6. services_select_service_control.png
7. services_window_start_stop_restart_block.png
8. service_control_collective_button.png
9. services_collective_control.png
10. dynamics_network_menu_list.png

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