

## Barracuda WAF Control Center Vx Quick Start Guide

<https://campus.barracuda.com/doc/54264444/>

To set up your Barracuda WAF Control Center (WCC) Vx, complete the following steps:

### Before You Begin

Deploy the Barracuda WAF Control Center Vx on your hypervisor. When the Barracuda WAF Control Center Vx is deployed, by default it has only one Network Interface Card (NIC) associated with it. If you want to deploy the Barracuda WAF Control Center Vx in the One-Arm Proxy mode, then skip ahead to the [Step 1. Enter the License Code](#) section.

Continue with [Step 1. Enter the License Code](#).

You cannot add a **Management interface** without adding a **LAN interface**.

### Step 1. Open Network Address Ranges on Firewall

If your Barracuda WAF Control Center Vx is located behind a corporate firewall, open the following Barracuda network address ranges for the ports shown in the table below on your firewall to ensure proper operation:

- 64.235.144.0/20
- 198.207.200.0/22
- 209.222.80.0/21

Port	Direction	TCP	UDP	Usage
22	Out	Yes	No	Technical Support connections
25	In/Out	Yes	No	Email alerts
53	Out	Yes	Yes	Domain Name Service (DNS)
80/8000	In/Out	Yes	No	Virus/attack/security definition and firmware updates
23557	In	Yes	No	Backup port if 80 and 8000 are not available
123	Out	No	Yes	Network Time Protocol (NTP)

443	Out	Yes	No	Initial VM Provisioning *
48320/48321	In/Out	Yes	No	The secure tunnel between the WCC and WAFs
2200	Out	Yes	No	File transfer

\* The initial provisioning port can be disabled once the initial provisioning process is complete.

## Step 2. Start the Virtual Appliance, Configure Networking, and Enter the License

You should have received your license token/serial # of Barracuda Vx via email or from the website when you downloaded the Barracuda WAF Control Center Vx package. If not, you can request an evaluation on the Barracuda website at <https://www.barracuda.com/purchase/evaluation> or purchase one from <https://www.barracuda.com/purchase/index>. The license token looks similar to the following: 01234-56789-ACEFG.

1. In your hypervisor client, start the virtual appliance and allow it to boot up.
2. From the console, log in as **admin** with the password **admin**.
3. In the **System Configuration** window, use the down arrow key and select **TCP/IP Configuration**. Configure the following:
  1. WAN IP Address
  2. WAN Netmask
  3. Gateway Address
  4. Primary DNS Server
  5. Secondary DNS Server
4. If the Internet can be accessed only through an explicit proxy, configure the proxy server using **Proxy Server Configuration (Optional)**, so that it reaches the Internet for provisioning.
5. Under **Licensing** enter your Barracuda License **Token** and **Default Domain** to complete provisioning. The appliance will reboot as a part of the provisioning process.

Please make a note of the Barracuda Vx serial number displayed here. The same serial number should be provided as *Password* when you log into the Barracuda Web Application Firewall Vx web interface.

## Step 3. Accept the End User License Agreement and Verify Configuration

1. Go to **https://<your ip>** to access the web interface.
2. Read through the End User License Agreement. Scroll down to the end of the agreement.
3. Enter the required information: **Name**, **Email Address**, and **Company (if applicable)**. Click **Accept**. You are redirected to the Login page.
4. Log into the Barracuda WAF Control Center Vx web interface with username **admin** and password, which is either:
  - The *numeric* part of the serial number if your Vx preboot version is 4.6.1 or higher. To find

the preboot version, check the name of downloaded Vx image (zip file) which is something like BarracudaEmailSecurityGateway-p2-vm4.6.1-fw8.1.0.003-20200113-esx-vbox.zip. The text between "vm" and "-fw" in the filename is the preboot version. In this example, it is 4.6.1. The serial number of your Vx is in your invoice *and* in your VM Setup email.

- The word "admin" if your Vx preboot version is below 4.6.1.  
For help finding the serial number of your virtual appliance, see [Serial Number for Hardware and Virtual Appliances](#).

5. Go to the **BASIC > IP Configuration** page and configure the following:
  1. Configure **TCP/IP Configuration**.
  2. Verify that the Primary and Secondary DNS servers are correct in the **DNS Configuration** section.
  3. Enter **Default Hostname** and **Default Domain** (for example, <yourcompanydomain.com>) in the **Domain Configuration**. The **Hostname** will be used in reporting and the **Default Domain** is the domain for the system.

If you are planning to put the Barracuda WAF Control Center Vx in **Offline** mode, ensure you check the following:

- All definitions are updated on the **ADVANCED > Energize Updates** page.
- The Barracuda WAF Control Center Vx is on the latest Firmware Version on the **ADVANCED > Firmware Update** page.

The Barracuda WAF Control Center periodically connects to Barracuda Central to check for the availability of new Energize Updates. To receive new Energize Updates, ensure your Barracuda WAF Control Center is able to connect to internet to reach Barracuda Central.

## Step 4. Update the Firmware

Click on the **ADVANCED > Firmware Update** page. If there is a new *Latest General Release* available, perform the following steps to update the system firmware:

1. Click on the **Download Now** button located next to the firmware version that you wish to install. To view download progress, click on the **Refresh** button. When the download is complete, the **Refresh** button will be replaced by an **Apply Now** button.
2. Click on the **Apply Now** button to install the firmware. This will take a few minutes to complete.
3. After the firmware has been applied, the Barracuda WAF Control Center Vx will automatically reboot, displaying the login page when the system has come back up.
4. Log back into the web interface again and read the Release Notes to learn about enhancements

and new features. It is also good practice to verify settings you may have already entered, as new features may have been included with the firmware update.

## **Step 5. Change the Administrator Password**

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To avoid unauthorized use, we recommend you change the default administrator password to a more secure password. You can only change the administrator password for the web interface. Go to the **BASIC > Administration** page and enter your old and new passwords, then click on **Save Password**.

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