Barracuda NG Firewall - *Quick Start Guide*

The Barracuda NG Firewall is a family of hardware, virtual appliances, software and services designed to protect the network infrastructure, improve site-to-site connectivity and simplify administration of network operations for enterprise and managed service providers.

1 Getting Started

This guide provides you with basic setup instructions for the Barracuda NG Firewall. We recommend reading these instructions fully before starting the setup. To begin setting up your Barracuda NG Firewall, you will need the following:

- Barracuda NG Firewall, AC power cord (included)
- Mounting rails (model F300/F600/F800/F900 only)
- Ethernet cable
- DB9 or RJ45 serial cable (recommended)

2 Physical Installation

1. Fasten the Barracuda NG Firewall to a 19-inch rack or place it in a stable location.
2. Connect an Ethernet cable from your network switch to the Ethernet port on the Barracuda NG Firewall. (see table below for default MGMT ports)
3. Connect an AC power cord to the Barracuda NG Firewall.
   Note: Immediately after connecting the power cord to the Barracuda NG Firewall (F10/F10x/F20x), the appliance starts booting and loads the operating system.
4. Press the Power button on the back panel to turn on the Barracuda NG Firewall. (F30x/F600/F800/F900)

Model	NIC Port
F10	**Port 1**
F100/F101/F102/F103	**Port 1**
F200/F201/F202/F203	**Port 1**
F300/F301/302/F303	**Port 1**
F600	**Port 1**
F800	**Port A1**
F900	**MGMT**

3 Default IP Address, NIC-Port and Login

- **IP address**: 192.168.200.200
- **Login**: root
- **Password**: ngf1r3wall

4 Connecting to the Barracuda NG Firewall

Use a computer running the MS Windows operating system (MS Windows XP or higher) that is connected to the same network as the Barracuda NG Firewall and follow these steps:

1. Launch the **ngadmin.exe** application
2. Enter the **Box-Address**: 192.168.200.200
3. Enter **Login** and **Password** (root/ngf1r3wall)

5 Network Configuration and Network Integration

1. Go to **Config→Network**.
2. Click the **Lock** button to enter editing mode. (Other administrators can't modify this configuration node until you unlock it again).
3. Enter the **Networks** view to edit network settings.
4. When finished, click **Send Changes** followed by **Activate.**

6 Default Network Routes

To be able to reach the box from networks not directly attached to the management interface, a default route needs to be created. Open the **Network Routes** view.

1. Click **Insert** to create a new network route.
2. Enter 0.0.0.0/0 **as Target Network Address**.
3. Select **gateway** as **Route Type** and enter the next hop/router IP address.
4. When finished, click **Send Changes** followed by **Activate.**

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7 Network Activation

All changes within network and routing configuration of the Barracuda NG Firewall require manual network activation. The network activation includes a verification of the new network configuration to ensure that the Barracuda NG Firewall is reachable.

1. Move to **Control** and open the **Box** tab.
2. Click **Activate New**.

3.1 If the management IP address was changed, click **Force,** then connect to the new Management IP address.

3.2 If the management IP address was not changed, click **Failsafe**.

8 Change Default Password

To avoid unauthorized use, Barracuda Networks recommends that you change the default administrator password to a more secure password.

1. Go to **Config →Administrative Settings** and enter your old (ngf1r3wall) and new passwords.
2. Click **Send Changes** followed by **Activate**.

9 Licensing

If no license is installed, the Barracuda NG Firewall will remain in DEMO mode. To prepare your Barracuda NG Firewall for a production environment, you must install a purchased license using **ngadmin.exe**.

1. Go to **Config → Box Licenses** and lock the configuration node.
2. Click **Import**, select **Import from File** and navigate to the purchased license.
3. Click **Send Changes** and **Activate.**
4. Go to the **Control → Box** tab and click **Barracuda Restart** (this will automatically disconnect the Barracuda NG Firewall).

10 Virtual Server and Service

Your Barracuda NG Firewall is pre-configured with a default **Server: S1** and a **Firewall Service: ngfw**.
By default this virtual server is introduced with a restricted encryption level for DEMO usage and a virtual server IP address of **127.0.0.9**.

11 Change Virtual IP Addresses

If a High Availability setup is used in which a virtual server is shared between two Barracuda NG Firewalls, or if additional services (e.g. VPN service) will be configured, you need to change the default server IP address.

1. Go to **Config → Virtual Servers → S1 → Server Properties.**
2. Click **Lock** to switch to editing mode.
3. Change the virtual IP address **(First IP)** to an IP address belonging to the Management Network (default management IP address is 192.168.200.200).
4. Click **Send Changes** followed by **Activate**.

12 Change Encryption Level (Only with a valid Barracuda Networks license)

Only after a valid Barracuda Networks license has been installed is the Barracuda NG Firewall is capable of supporting strong encryption algorithms. To use these you will have to change the default settings.

1. Go to **Config → Virtual Servers → S1 → Server Properties**
2. Click **Lock** to switch to editing mode.
3. Select **Full-Featured-Encryption** in the **Encryption Level** pull down menu.
4. Click **Send Changes** followed by **Activate**.

! Reboot

Barracuda Networks recommends rebooting your Barracuda NG Firewall before using it in production environments.

1. Go to **Control → Box**.
2. Click **Reboot Box**.

For advanced network configuration instructions, please consult the Barracuda NG Firewall Administrator's Guide, downloadable from **http://www.barracuda.com/documentation**.

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