

Understanding Configuration Settings - Firmware 2.x

<https://campus.barracuda.com/doc/39822964/>

This article refers to Barracuda Phone System firmware release 2.x.

Before configuring the IP address and network settings, complete [Step 3: How to Configure Basic System Settings](#).

See also: [Understanding Barracuda Phone System Terminology](#)

Use the **Configuration** options in the web interface to customize your Barracuda Phone System. For additional information, click the **Help** button in the web interface for the associated page. You can configure your settings in any order, however some features require that other system settings are already configured. For example, you need a working telephone to test outbound calling, and you need a defined extension (for example a telephone or automated attendant) to test inbound calling.

Network

After initial configuration, you can modify the network settings in the **Configuration > Network** page. See [Step 3](#) for a description of each field, or click the **Help** button on the **Configuration > Network** page in the web interface.

Security

Use the **Configuration > Security** page to specify security on the WAN port.

Because the LAN port should always be behind a firewall, security settings on this page are specifically for the WAN port.

WAN security has two sections:

- **IP Access Control** – Use **IP Access Control** to explicitly allow or deny IP addresses or IP subnets. Click **Add a Rule**, and then enter the **IP Address** and **Subnet Mask**, and specify whether to **Allow** or **Block** from the drop-down menu.
- **WAN Port Blocking** – By default, all ports on the WAN port are blocked unless specifically allowed. The Barracuda Phone System provides a list of port sets for you to allow. Each port set

serves a specific purpose. Only allow the port sets for the services you want to have functioning on the WAN port. The port sets are:

- **Phone Provisioning, Web Management** – Phone provisioning takes place on TCP port 80 (HTTP) and port 21 (FTP), as well as UDP port 123 (NTP) and port 69 (TFTP). The web interface also uses port 80.
- **Secondary Web Management Port** – If you do not want to open port 80 for phone provisioning but still want to have the web interface available via the WAN port, use TCP port 8000.
- **Secure Web Management** – Allows HTTPS connections to the web interface over the WAN port.
- **Network Time Protocol** – Permits NTP traffic over the WAN port.
- **Telephone Service Providers** – This is the most commonly used port set. Enabling this port set allows for SIP and RTP communications over the WAN port with most VoIP providers. (TCP/UDP port 5060 is the default SIP port and UDP ports 16384-32768 are the RTP ports used by the Barracuda Phone System.)
- **External Phones** – For external phones to communicate with the Barracuda Phone System, allow this port set. (Phones connected to the Barracuda Phone System use TCP/UDP port 5065 for SIP communications.)
- Click **Apply WAN Port Blocking** to save your settings.

System

Define system-wide settings that affect Barracuda Phone System behavior on the **Configuration > System** page:

- **User Login Method** – If [LDAP sync has been enabled](#) you can customize how users log in to the web interface and the [Call Control Client](#). If LDAP sync is not enabled, users must log in using their extension number and PIN. Options include :
 - **Extension number and PIN**
 - **LDAP Credentials**
 - **Both: Either Extension Number and PIN or LDAP Credentials**
- **System Time Zone** – Select the time zone of the Barracuda Phone System location from the drop-down list. If you have remote telephones that are in a different time zone than the Barracuda Phone System, see [Setting the Time Zone for Remote Phones](#).

Do not change the time zone while calls are in progress or the call detail records may be affected.
- **Network Time (NTP) Server** – The Barracuda Phone System uses `pool.ntp.org` as the default source for NTP time sync. If you want to use a different NTP server, enter the IP address or hostname.
- **System Language** – Select the language you want to use for system sounds.
- **Event Notifications** – The Barracuda Phone System sends event notifications via email. Use the settings in this section to control the amount and frequency of information sent using these settings. Normal warnings are batched and sent out at the configured interval you set.

Immediate warnings are sent individually, when the warning occurs:

- **Normal Event Notification** – Choose the warning level at or above which you want warnings batched.
 - **Send warnings every** – Choose the time interval when batched warnings should be sent out and set the Interval to that time. Warnings which meet or exceed the Immediate setting will be sent immediately. Warnings which meet or exceed the Normal setting, but do not meet the Immediate setting are batched and sent at the interval. Setting either warning level to None will disable that type of notification.
 - **Immediate Warning Level** – Choose the warning level at or above which you want an immediate notification sent.
For example, a typical setting would be **Notice** level warnings sent every 10 or 15 minutes and **Critical** warnings sent immediately.
 - **Email Address** – Set the notification email address; separate multiple addresses with commas.
- Click **Apply** to save your changes.
 - **Syslog Server** – If you run a syslog server and would like the Barracuda Phone System to transmit log messages to it, specify your syslog server IP address.
 - **Admin Password** – You can change the web interface admin password. Enter the old admin password, then enter the new password and confirm it by entering it again. Click **Apply** to save the new password.
 - **Security Definitions** – Select whether to allow Barracuda security definitions to automatically update. Click **Apply** to save your settings.

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