



Barracuda Configuration for TeleVoIPs

Follow the directions below to ensure proper configuration for Barracuda firewalls. Please understand, instructions may vary based on the model and firmware version of your device.

I. Required Changes

A. Add Network Object for TeleVoIPs Server

1. Go to **Firewall > Network Objects > Add Network Object**
2. Enter the following:
 - a. Name: **TeleVoIPs**
 - b. Network Address: Enter the one at a time and click +
 - i. RTP Servers: **<TeleVoIPs Phone Server IP Address>**
 - ii. SIP Registration Server: **<TeleVoIPs Phone Server IP Address>**

B. Disable SIP ALG

1. Go to **Firewall > Firewall Rules > Custom Firewall Access Rules**
2. Click the **Disabled** check box next to any rules named **LAN-2-INTERNET-SIP** and **INTERNET-2-LAN-SIP** (this disables **SIP ALG**)
3. Click **Save Changes**

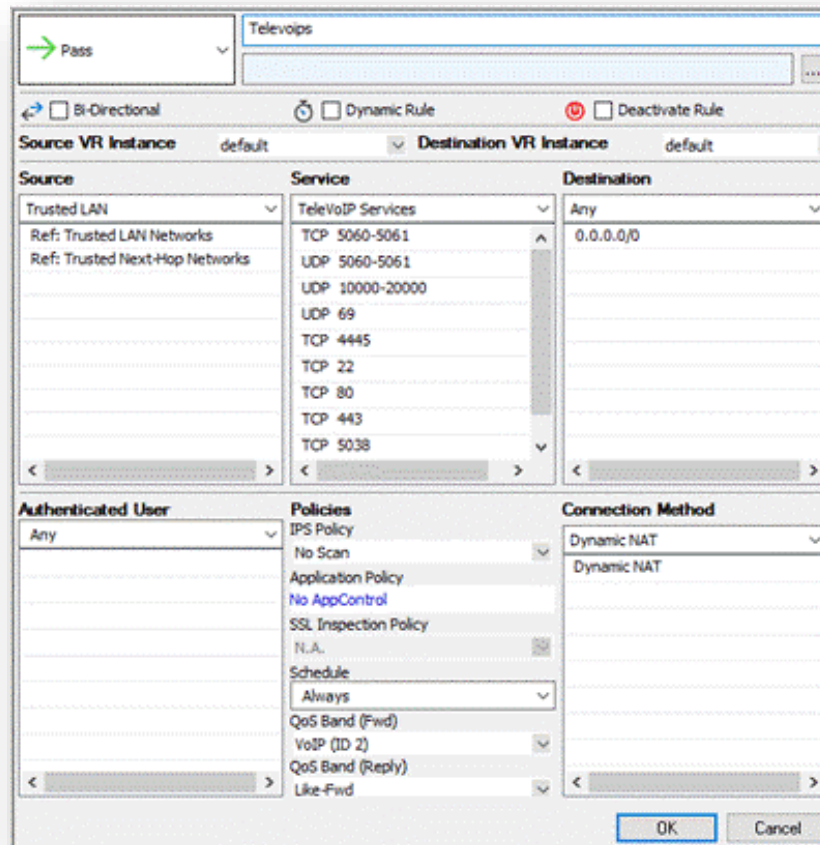
C. Set UDP Timeout to 300

1. Go to **Firewall > Service Objects > Custom Service Objects > click Add Service Object**
2. Enter the following:
 - a. Name: **udp-timeout**
 - b. Protocol: **UDP**
 - c. Port Range: ***** (a single asterisk = ports 1-65535)
 - d. Timeout: **300**
 - e. Click the **+**
 - f. Click **Add**

D. Add Access Rule

1. Go to **Firewall > Firewall Rules > Custom Firewall Access Rules > click Add Access Rule**
2. Enter the following:
 - a. Name: **Televoips**
 - b. Action: **Allow**
 - c. Connection: **Default**

- d. Bi-Directional: **Unchecked**
- e. Service:
 - i. Select **Any TCP**, click **Add**
 - ii. Select **udp-timeout**, click **Add**
- f. Source: select **Network Objects** > click the drop-down box and select **Trusted LAN** > click the +
- g. Destination: Select **Network Objects** > Click the drop-down box and select **TeleVoIPs** > click the +
- h. Click on the **Applications/Bandwidth** tab at the top of the page > **Bandwidth Policy** > set it to **VoIP**
- i. Click **Save**
- j. Drag **Televoips** to be the first rule in the list
- k. Click **Save Changes**



II. Recommended Change

A. Prioritize Voice Traffic

1. Go to **Network > IP Configuration > Network Interface Configuration**

2. Find the port that your using as your WAN interface (p1, p2, p3, p4)
3. Mouse over the **Use QoS** column on that port and click on **No**
4. **QoS Settings:**
 - a. Interface Name: **should already be set to the port you selected**
 - b. Available Outbound Bandwidth: Enter the upstream bandwidth provided by your ISP (Example: **5 Mbps**)
 - c. Available Inbound Bandwidth: Enter the downstream bandwidth provided by your ISP (Example: **50 Mbps**)
 - d. Be sure that **Enable Bandwidth Management** is **Checked** for both options
 - e. Click **Save**