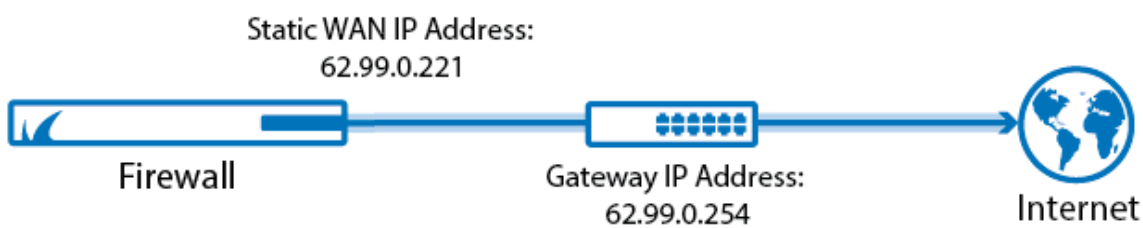


## How to Configure an ISP with Static IP Addresses

<https://campus.barracuda.com/doc/72516301/>

The following example provides settings for configuring an interface for an ISP that statically assigns an IP address for a WAN uplink. The static WAN interface and ISP gateway for this example are shown in the following figure:



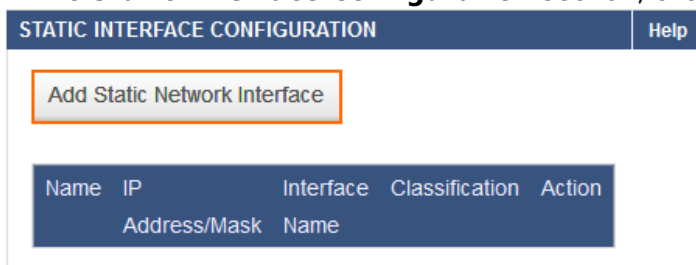
### Before You Begin

Connect the network equipment installed by your provider to an unused port (not the management port) of your firewall.

### Step 1. Add a Direct Route

Create a direct attached route entry to create the network on box level of the firewall. Be sure to create the route on the port the ISP is plugged into.

1. Go to the **NETWORK > IP Configuration** page.
2. In the **Static Interface Configuration** section, click **Add Static Network Interface**.



Name	IP	Interface	Classification	Action
	Address/Mask	Name		

3. From the **Network Interface** list, select the port the ISP is connected to.
4. Enter a **Name** for the network interface.
5. Enter the static WAN **IP address**, e.g., 62.99.0.221.
6. Enter the **Netmask** of the interface, e.g., 255.255.255.0.
7. From the **Classification** list, select **Untrusted**.

8. Enter the **Gateway** address, e.g., 62.99.0.254.
9. (optional) Specify a **Route Metric** if the multiple default routes are configured. The route with the lowest metric is preferred.
10. Click **Save**.


### Add Static Network Interface ?

Network Interface:	<input type="text" value="eth0"/>										
Name:	<input type="text" value="isp"/> <small>Maximum 8 characters, no spaces allowed.</small>										
IP Address:	<input type="text" value="62.99.0.221"/>										
Netmask:	<input type="text" value="255.255.255.0 (/24)"/>										
Services to Allow:	<input type="checkbox"/> Ping <input type="checkbox"/> VPN Server <input type="checkbox"/> SSL VPN <small>Enable/Disable 'reply to ping' or NTP requests. To be able to enable SSLVPN, you need to select a certificate under VPN &gt; SSLVPN &gt; Server Settings.</small>										
Classification:	<input type="text" value="Unclassified"/> <small>How this interface is classified within your network. For ISP links, select WAN.</small>										
Gateway:	<input type="text" value="62.99.0.254"/> <small>Optional gateway for this interface. Creates a default gateway route (0.0.0.0/0) automatically.</small>										
Metric:	<input type="text" value="1"/> <small>Must be unique across all interfaces. The interface with the lowest value is used for outgoing traffic.</small>										
Secondary IP Addresses:	<table border="1"><thead><tr><th>IP Addresses</th><th>Ping</th><th>Barracuda</th><th>VPN Server</th><th>SSL VPN</th></tr></thead><tbody><tr><td></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></tbody></table> <small>Other static IP addresses on the same subnet. To be able to enable SSLVPN you need to select a certificate under VPN &gt; SSLVPN &gt; Server Settings.</small>	IP Addresses	Ping	Barracuda	VPN Server	SSL VPN		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IP Addresses	Ping	Barracuda	VPN Server	SSL VPN							
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							

## Step 2. Perform a Network Activation

After you create or change basic network configurations such as routing, you must activate your new network configuration.

1. Scroll to the top of the page
2. Click on the link in the warning message to activate the new network configuration.

 Some configuration changes made within IP Configuration, Routing or Bridging are not yet in effect. To execute the changes, [click here](#). This will cause a temporary interruption in network traffic. You may have to log into the Barracuda NextGen Firewall again.

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## Verify the Network Configuration

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After the network activation with the new static IP address you can see the entry in the table in the Static Interface Configuration section.

**STATIC INTERFACE CONFIGURATION** Help

[Add Static Network Interface](#)

Name	IP Address/Mask	Interface Name	Classification	Action
isp	62.99.0.221/255.255.255.0	eth0	Unclassified	<a href="#">Edit</a> 

## Figures

1. static\_wan.png
2. click\_add\_static\_network\_interface.png
3. add\_static\_network\_interface.png
4. network\_activation\_ip\_configuration.png
5. added\_static\_IP.png

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