

## How to Configure a PPTP WAN Connection with an External DSL Modem

<https://campus.barracuda.com/doc/72516378/>

The firewall can dial in using PPTP with an external DSL modem. The xDSL connection can be configured to be in Active or Standby mode. In Standby mode, the activation and subsequent monitoring of the link must be triggered externally.

### Step 1. Configure a PPTP Connection

1. Go to **NETWORK > IP Configuration**.
2. In the **Dynamic Interface Configuration** section, click **Add Dynamic Network Interface**.
3. From the **Network Interface** list, select the network interface that the ISP modem is connected to on the firewall.
4. Enter a name for the new connection.
5. For **Network Protocol**, select **PPTP**.
6. Enter the IP address for the **PPTP Server**.
7. Set **Classification** to **WAN**.

## Add Dynamic Network Interface ?

Name:	<input type="text" value="PPTP"/>	<input type="checkbox"/> Disable
<small>Maximum 8 characters, no spaces allowed.</small>		
Network Protocol:	<input type="radio"/> DHCP <input type="radio"/> PPPoE <input checked="" type="radio"/> PPTP	
<small>Protocol for this interface.</small>		
PPTP Server:	<input type="text" value="10.0.10.33"/>	
<small>The PPTP server must be reachable from this network.</small>		
	<input type="checkbox"/> Synchronous PPP	
<small>Select Yes to initiate a connection in synchronous mode</small>		
Username:	<input type="text" value="root"/>	<input type="checkbox"/> No Auth
<small>Username and password, as assigned by your ISP. Select No Auth if not required.</small>		
Password:	<input type="password" value="•"/>	
Metric:	<input type="text" value="50"/>	
<small>Must be unique across all interfaces. The interface with the lowest value is used for outgoing traffic.</small>		
Use Assigned DNS:	<input type="radio"/> Yes <input checked="" type="radio"/> No	
<small>Use the DNS server assigned by your ISP.</small>		
Use Dynamic DNS:	<input type="radio"/> Yes <input checked="" type="radio"/> No	
<small>Use DynDNS (requires registration)</small>		
Classification:	<input type="radio"/> Unclassified <input type="radio"/> Trusted <input type="radio"/> DMZ <input checked="" type="radio"/> WAN	
<small>How this interface is classified within your network. For ISP links, select WAN.</small>		
Connection Start Method:	<input checked="" type="radio"/> Automatic <input type="radio"/> Manual	
<small>Select Automatic to start the link automatically. Select Manual to start and stop the link as needed by clicking RUN in the NETWORK &gt; IP Configuration &gt; Dynamic Network Interfaces section.</small>		
Health Check:	<input type="text" value="ICMP"/>	
<small>Type of test to run to verify health</small>		
Health Check Target:	<input type="text"/> <input type="button" value="+"/>	
<small>Add IP addresses that can be reached via this dynamic interface. If the health check target becomes unavailable the Barracuda NextGen Firewall will attempt to re-establish</small>		

### 8. Configure the remaining settings for your network requirements:

- **Synchronous PPP** – If your dial-in connection requires **Synchronous PPP** mode, select the check box. If you are not sure which mode to use, contact your ISP.
- **Metric** – For the initial configuration, keep the default **Metric** value of 100. In a multi-provider configuration, the firewall chooses the interface with the lowest metric for outgoing traffic.
- **Use Dynamic DNS** – You can make the firewall reachable with a unique identifier (DNS-resolvable name). For **Use Dynamic DNS**, select **Yes** and enter your DynDNS credentials. For more information on the DynDNS service, see <http://dyn.com/dns/>.
- **Connection Start Method** – You can manually start and stop the link. For **Connection Start Method**, select **Manual**. To control the link, go to the **Dynamic Network Interfaces** section of the **NETWORK > IP Configuration** page.
- **Health Check** – To monitor the Internet connection, select a type of **Health Check** to


perform. Most ISPs support LCP to continuously monitor successful data transmission. However, you can use ICMP requests for monitoring the Internet connection. If you use ICMP for link monitoring, add a target IP address to the **Health Check Target** list.

9. Click **Save** to save the new configuration or **Cancel** to discard it.

## Step 2. Perform a Network Activation

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

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.

## Verify the Network Configuration

After the network activation with the configured PPTP xDSL WAN you can see the entry in the table in the **Dynamic Interface Configuration** section.

DYNAMIC INTERFACE CONFIGURATION										Help
Add Dynamic Network Interface										
Name	Type	Interface/Server	Default Route	Metric	Classification	Connection Start Method	Disable	Action		
ISP	DHCP	eth3	Yes	100	WAN	Automatic	<input type="checkbox"/>	<a href="#">Edit</a>	<input type="button" value="Run"/>	<input type="button" value="Delete"/>
PPTP	PPTP	10.17.68.249		50	WAN	Automatic	<input type="checkbox"/>	<a href="#">Edit</a>	<input type="button" value="Run"/>	<input type="button" value="Delete"/>

## Figures

1. `configure_pptp_wan_connection_with_external_modem.png`
2. `network_activation_ip_configuration.png`
3. `pptp_added_to_dynamic_interfaces.png`

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