

## How to Configure VPN Access via a Dynamic WAN IP Address

<https://campus.barracuda.com/doc/72516281/>

You can configure VPN connections to use a dynamically assigned WAN IP address on the firewall. In the VPN settings, enable dynamic IP addresses. Then, configure an access rule that redirects VPN traffic to the VPN server.

### Step 1. Configure VPN Access via a Dynamic WAN IP Address

To allow VPN access via a dynamic WAN IP address:

1. Go to **VPN > VPN Settings**.
2. In the **Global Server Settings** section, verify that **Use Dynamic IPs** is set to **Yes**.

GLOBAL SERVER SETTINGS				Help	
Listen on Port 443	No	CRL Poll Time [mins]	15	Global TOS Copy	Off
IKE Tunnel Check Interval[secs]	5	IKE Timeout[secs]	30	Use Dynamic IPs	Yes

3. To make your VPN available through a DNS hostname, register the hostname with <http://dyn.com/dns>. For more information, see [How to Configure a ISP with Dynamic IP Addresses \(DHCP\)](#).

### Step 2. Create an Access Rule to Redirect VPN Traffic to the VPN Server

Create a new access rule that redirects the VPN traffic to the VPN server to establish the tunnel:


1. Go to **FIREWALL > Access Rules**.
2. Click **Add Access Rule**. The **Add Access Rule** window opens.
3. In the **Add Access Rule** window, configure a **Redirect to Service** firewall rule that redirects incoming VPN connections on the dynamic interface to the VPN server listening on the local IP address. For the **Destination**, select the network object corresponding to your Internet connection type (DHCP, WWAN, or DSL).

**Add Access Rule** ?

**General** **Advanced**

**Action:**  

Redirect to Service



*DNAT (port forwarding) - Redirect traffic to a specific IP address.  
Redirect to Service - Redirect traffic to a service on the Barracuda NextGen Firewall.  
Bi-directional - Source and destination networks are interchangeable.*

**Name:**  

Redirect-to-VPN

**Description:**

**Connection:**  

Original Source IP

**Adjust Bandwidth:**  

Internet

*The interface must have bandwidth management enabled on the NETWORK > IP Configuration page for this policy to be applied.*

**Bi-directional:**  
☐ Yes ☒ No

**Disable:**  
☐ Yes ☒ No

**IPS:**  
☒ Yes ☐ No

**Application Control:**  
☐ Yes ☒ No

**SSL Interception:**  
☐ Yes ☒ No

**URL Filter:**  
☐ Yes ☒ No

**Virus Scanner:**  
☐ Yes ☒ No

**ATP:**  
☐ Yes ☒ No

**Mail Security:**  
☐ Yes ☐ No

**Safe Search:**  
☐ Yes ☒ No

**Source**

Any

Ref. Internet

☒ Network Objects ☐ IP Addresses ☐ Geo Loc.

**Redirect to Service Details**

VPN

The following protocols and port/protocol combinations are automatically selected upon the chosen Service. **VPN:**  
UDP 691, UDP 500, UDP 4500, UDP 1701, TCP 1723, TCP 691, TCP 443

**Destination**

Any

Ref. DHCP1 Local IP

☒ Network Objects ☐ IP Addresses ☐ Geo Loc.

Cancel

Save

- Click **Save**.
- Move the access rule above the BLOCKALL rule.
- Click **Save**.

## Figures

1. VPN\_global\_settings.png
2. dynamic-IP\_VPN-access.png

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