

Secure Connector VPN

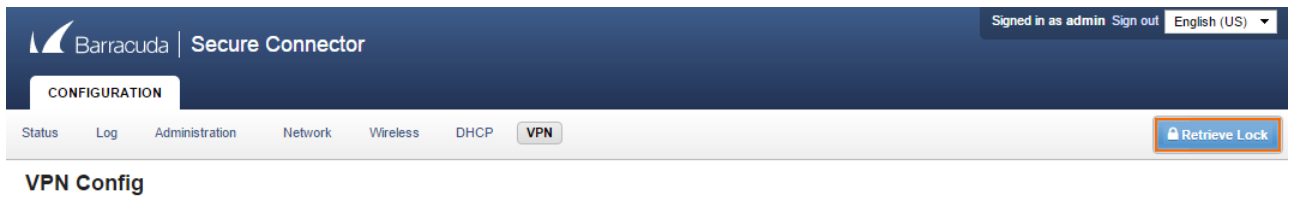
<https://campus.barracuda.com/doc/73718934/>

The Barracuda Secure Connector devices use a single site-to-site VPN tunnel to connect to the Secure Access Controller. The VPN tunnel is used for both user and management traffic and runs on ports TCP/UDP 692. To be able to have both managed CloudGen Firewalls and Secure Connector devices connect to an Access Controller and Control Center behind the same border firewall, you must use either two public IP addresses or configure the VPN connection to use another, free port.

Configure VPN in using the Secure Connector Web Interface

You can use the web interface of the Secure Connector to configure the VPN in override mode.

1. Log into the web interface.
2. Go to the **CONFIGURATION > VPN** page.
3. Click **Retrieve Lock**.



4. Select **Enabled**.
5. Enter the **Box Unique Identifier**. Use the following format: *RANGENUMBER-CLUSTERNAME-SECURE CONNECTOR NAME* E.g., 3-myScCluster-SC1.
6. Enter the **Virtual IP**. The IP address must be the first IP address of the subnet assigned to the SC by the Control Center.
7. Enter the **Entry Point Address**. Typically this is the public IP of your Access Controller, or the public IP address of the border firewall in front of your Access Controller.
8. Enter 692 as the **Entry Point Port**.
9. (optional) Select the **Tunnel Mode**.
10. (optional) Select the **Encryption**.

VPN CONFIG		Save Changes
Enabled	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled	
Box Unique Identifier	<input type="text" value="3-S-SeriesCluster-SC1"/>	
Virtual IP	<input type="text" value="10.33.0.1"/>	
Entry Point Address	<input type="text" value="88.116.13.171"/>	
Entry Point Port	<input type="text" value="692"/>	
Tunnel Mode	<input checked="" type="radio"/> TCP <input type="radio"/> UDP	
Encryption	<input type="text" value="AES"/>	

11. Click **Save Changes**.
12. On the top of the page, click **Activate Configs**.
13. Click **Release Lock**.

The SC connects via VPN to the Access Controller and authenticates using the deployment password. Once connected, the Control Center pushes the configuration stored for the device to the SC.

Configure VPN in the Secure Connector Editor

To configure the VPN settings to connect to the Access Controller, you must use the Secure Connector Editor.

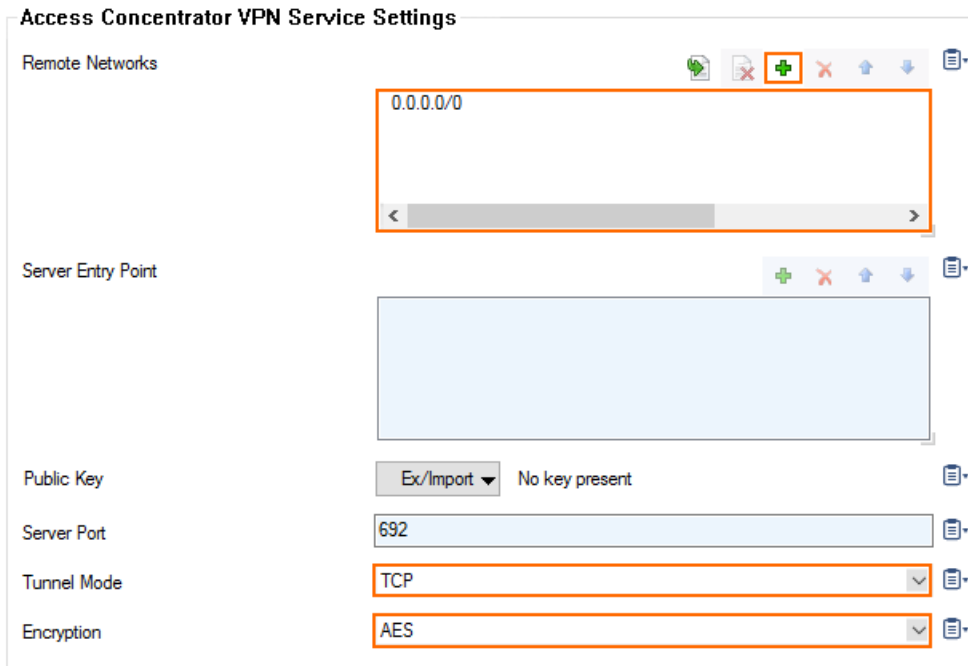
1. Go to **your cluster** > **Cluster Settings** > **Secure Connector Editor**.
2. Click **Lock**.
3. Double-click to edit the device or SC template.
4. In the left menu, click **VPN Settings**.
5. Select the **VPN enabled** check box.
6. Click **New Key** to create a new **Private Key**.

Secure Connector VPN Settings	
VPN enabled	<input checked="" type="checkbox"/>
Private Key	<input type="button" value="New Key..."/> <input type="button" value="Ex/Import"/> Hash: AXIGAN 2048 Bits
Old Private Key	<input type="button" value="New Key..."/> <input type="button" value="Ex/Import"/> No key present
Barracuda Firewall Control Center VP...	<input type="text" value="Automatically configured"/>
Virtual IP	<input type="text" value="Automatically configured"/>
Virtual IP Mask	<input type="text" value="Automatically configured"/>

7. Click **+** and enter the **Remote Networks** you want to route through the VPN tunnel. Enter

0.0.0.0/0 to send all traffic through the VPN tunnel and to allow the devices behind the SC to access the Internet.

8. From the **Tunnel Mode** drop-down list, select **TCP** or **UDP**. Use UDP for response-optimized tunnels; use TCP for greater stability when using unstable Internet connections.
9. From the **Encryption** drop-down list, select one of the encryption algorithms: **DES**, **3DES**, **CAST**, **Blowfish**, **AES**, or **AES256**.



Access Concentrator VPN Service Settings

Remote Networks

0.0.0.0/0

Server Entry Point

Public Key

Ex/Import ▼ No key present

Server Port

692

Tunnel Mode

TCP

Encryption

AES

10. Click **OK** and **Activate**.

Figures

1. retr_lock_vpn.png
2. sca_VPN_Webui_01.png
3. SCA_VPN_Operational_mode_011.png
4. vpn_ac.png

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