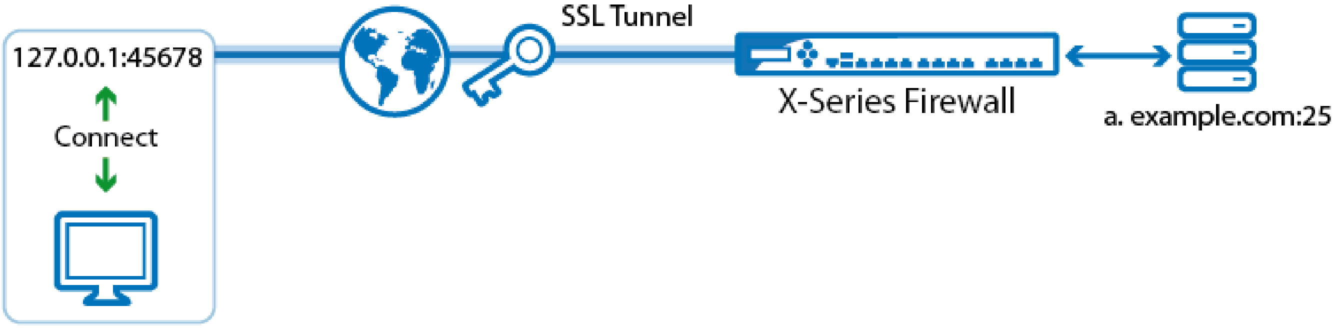
How to Configure SSL Tunnels

https://campus.barracuda.com/doc/50266389/

After you enable and configure the SSL VPN, you can add SSL tunnels. SSL tunnels are used to encrypt data for client/server applications that normally do not use encryption. An outgoing SSL tunnel protects TCP connections that a computer forwards from a local port to a preconfigured destination IP address and port that the user is connected to. To use SSL tunnels you must have a Remote Access Premium subscription.



Before you begin

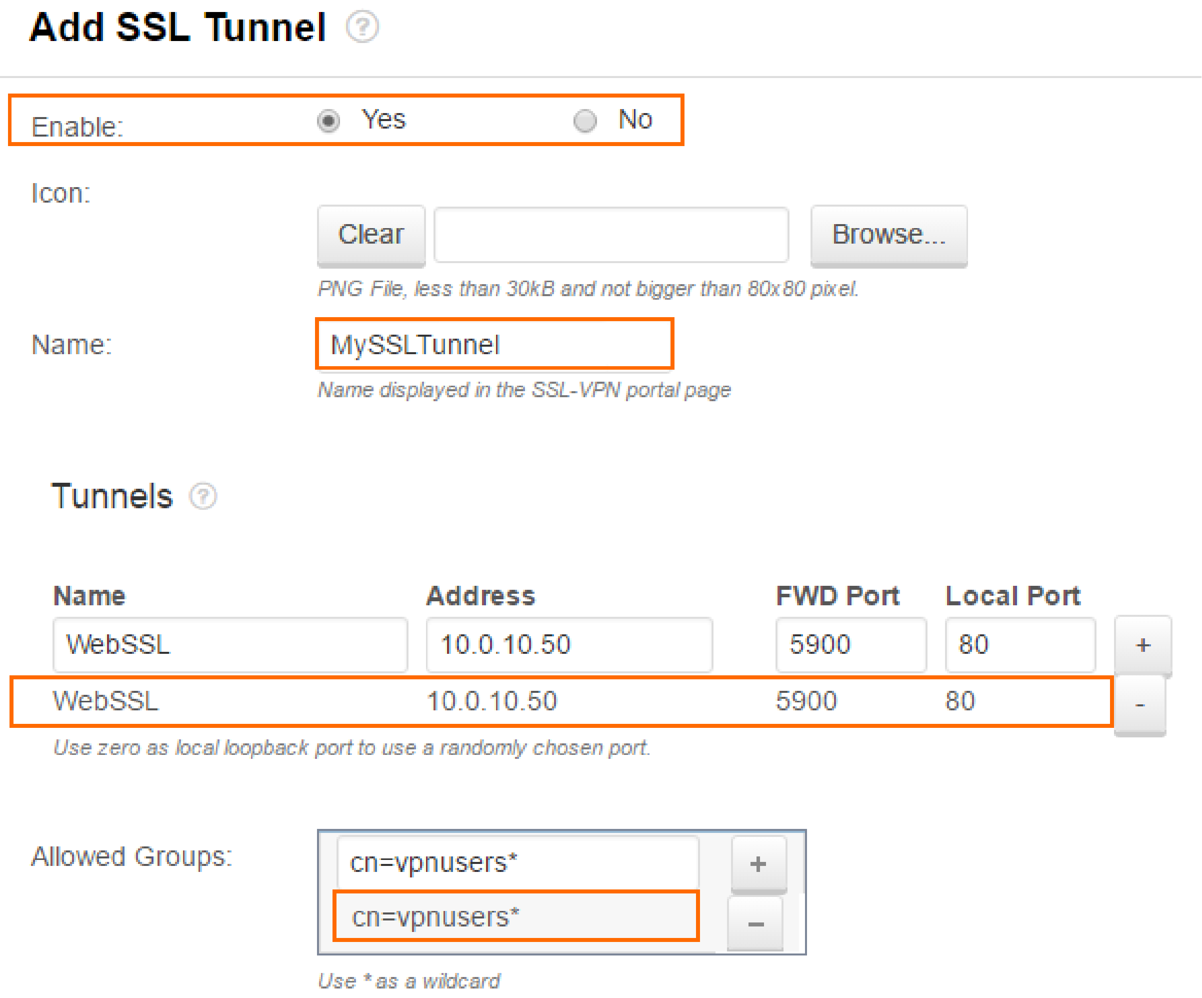
Enable the SSL VPN service and CudaLaunch. For more information, see [How to Enable SSL VPN and CudaLaunch](#).

SSL tunnels

Configure a resource containing one or more SSL tunnels that forward the TCP traffic of the remote service. Access to tunnel resources can be limited via the user groups.

1. Go to **VPN > SSL VPN** and click the **Resources** tab.
2. In the **SSL Tunnels** section, click **Add SSL Tunnel**.
3. In the **Add SSL Tunnel** window, set **Enable** to **Yes**.
4. (optional) Click **Browse** to upload a PNG file for the web portal, less than 30 kB and not larger than 80x80 pixels.
5. In the **Name** field, enter the visible name for the tunnel resource. This is the name used in the web portal for this resource.
6. In the **Tunnels** section, configure the SSL tunnel:

1. Enter the **Name** of the SSL tunnel.
2. Enter the tunnel destination IP address in the **Address** field.
3. Enter the port on the loopback interface that the user connects to in the **FWD Port** field and the **Local Port** of the service tunneled by the SSL VPN. To use a random port, enter `0` (default).
4. (optional) To restrict access to the SSL tunnel by user group, remove the * entry in the **Allowed User Groups** list. Enter the user groups that can access the tunnel, and click **+** after each entry. If no groups are added, the SSL tunnel cannot be accessed. Use question marks (?) and asterisks (*) as wildcard characters.



Add SSL Tunnel

Enable: ● Yes ○ No

Icon: Clear Browse...

PNG File, less than 30kB and not bigger than 80x80 pixel.

Name: MySSLTunnel

Name displayed in the SSL-VPN portal page

Tunnels

Name	Address	FWD Port	Local Port
WebSSL	10.0.10.50	5900	80
WebSSL	10.0.10.50	5900	80

Use zero as local loopback port to use a randomly chosen port.

Allowed Groups: cn=vpnusers*
cn=vpnusers*

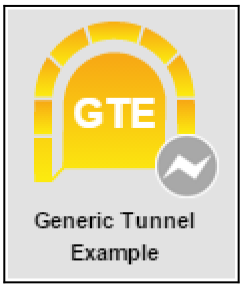
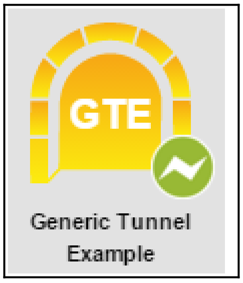
Use * as a wildcard

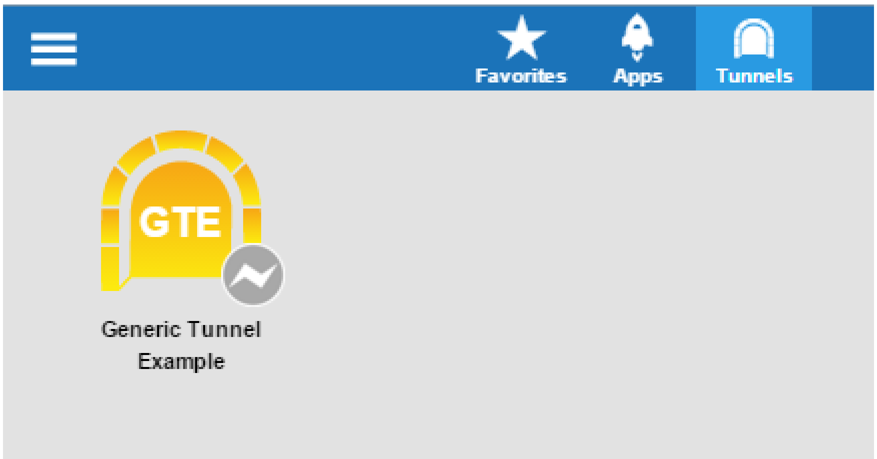
7. Click **Save**.

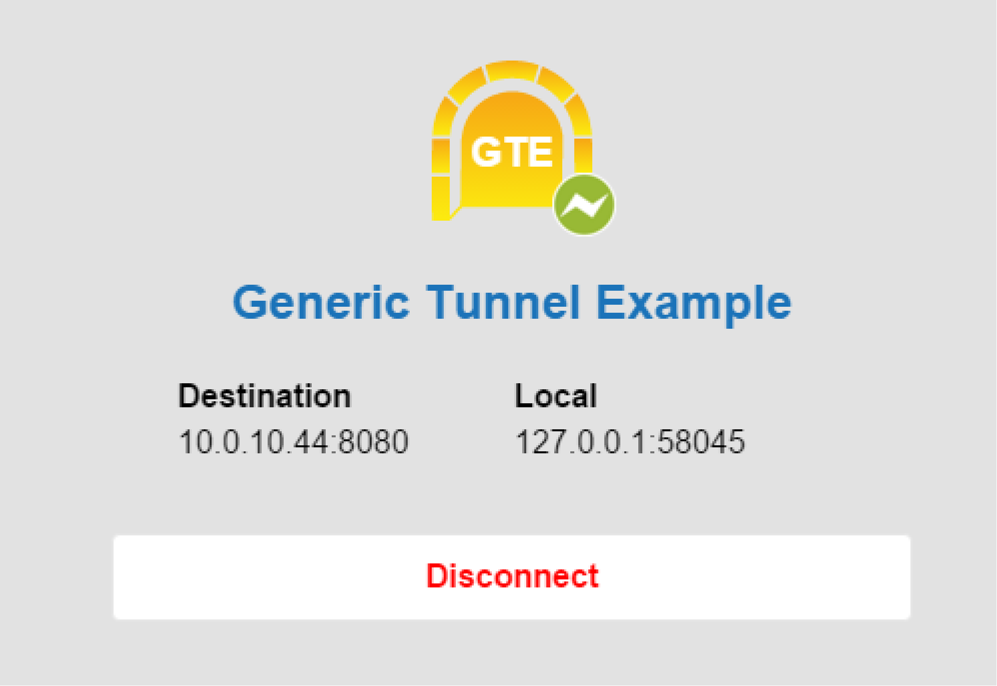
Tunnels in CudaLaunch

Tunnels are available only in CudaLaunch. To enable or disable the tunnel, go to the **Tunnels** tab and click the tunnel icon. The gray or green status icon shows the state of the tunnel.

State	Icon

Tunnel inactive	
Tunnel active	





Destination 10.0.10.44:8080

Local 127.0.0.1:58045

Figures