How to Configure the SSL VPN Service

https://campus.barracuda.com/doc/41116136/

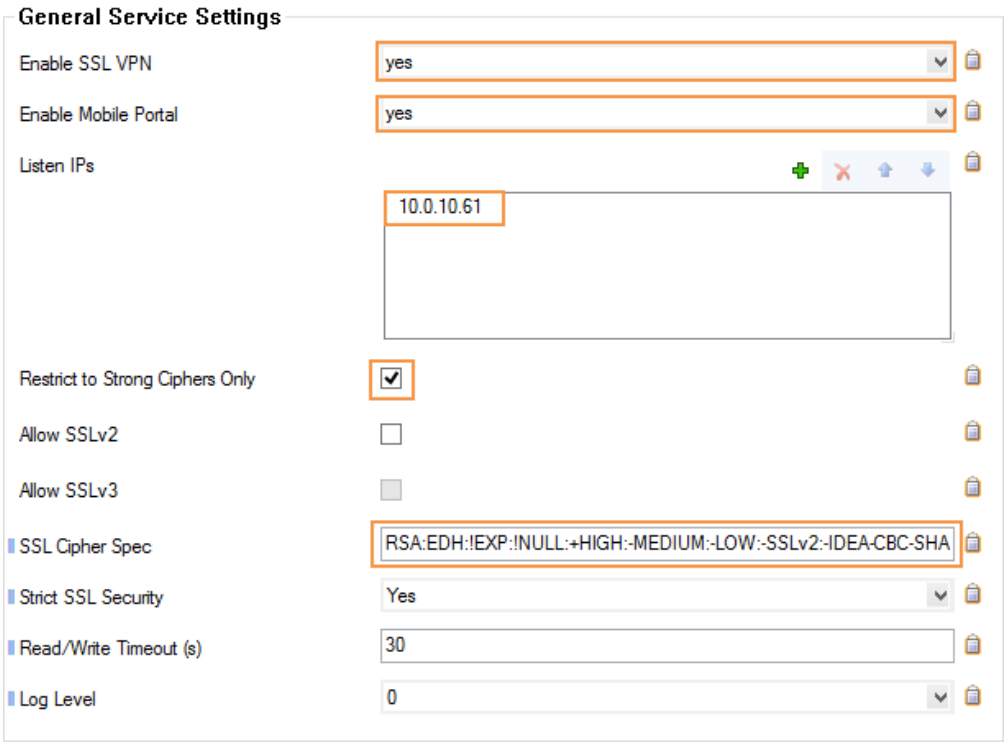
Before configuring the SSL VPN service, ensure that you have correctly created and configured a VPN service.

In this article:

Configure the Basic Settings

1. Open the **SSL-VPN** page (**Config** > **Full Config** > **Box** > **Virtual Servers** > ***your virtual server*** > **Assigned Services** > **VPN-Service**).
2. Click **Lock**.
3. Set **Enable SSL VPN** to **Yes**.
4. Click **+** to add a **Listen IP**.
5. (recommended) Enable **Restrict to Strong Ciphers Only**.

   For Barracuda NG Firewalls versions 6.0.1 and below, Barracuda Networks strongly recommends to set the following custom **SSL Cipher Spec** settings to mitigate CVE-2015-4000 aka. Logjam: ***RSA:EDH:!EXP:!NULL:+HIGH:-MEDIUM:-LOW:-SSLv2:-IDEA-CBC-SHA***



- Make sure that the IP address has been added to the virtual server settings. For more information, see Virtual Servers and Services.
- Do not use a bind IP address of the VPN service. Otherwise the SSL VPN service cannot be started. To test if the SSL VPN is running, open https://<listen IP>/ in your web browser

If the VPN server has enabled a listening socket on port 443, the SSL VPN service will not be able to start. This is indicated with the following SSL VPN log message: http_listener: failed to listen on <IP address>@443. Go to **VPN Settings**>**Server Settings** and set**Use Port 443**to **No**.

6. In the **Service Identification** section, configure the certificates and private keys that are used by the SSL VPN.
7. From the **Identification Type** list, select one of the following options:
   1. **Self-Signed-Certificate** – Create the **Self-Signed Private Key** and the **Self-Signed Certificate**.
   2. **External-Certificate** – Import the CA-signed **External Certificate** and the **External-Signed Private Key**.
   3. **Generated-Certificate** – The certificate and the private key is created by the Barracuda NG Firewall.
8. Generate or import your keys and certificates.
9. Click **Send Changes** and **Activate**.
10. When updating or changing certificates, the SSL VPN service needs to be restarted:
    1. Set **Enable SSL VPN** to **no**.
    2. Click **Send Changes** and **Activate**
    3. Reenable the SSL VPN service.
    4. Click **Send Changes** and **Activate**

Configure Authentication and Login

1. Open the **SSL-VPN** page (**Config** > **Full Config** > **Box** > **Virtual Servers** > ***your virtual server*** > **Assigned Services** > **VPN-Service**).
2. In the left menu, click **Authentication & Login**.
3. Click **Lock**.
4. From the **Authentication Scheme** list, select your authentication method.
5. In the **Corporate ID** section, enter a message in the **Login Message** field. For example, `Welcome to SSL VPN`.
6. Click **Send Changes** and **Activate**.

Enable the Access Monitor

To determine the health state of a Barracuda Network Access Client, you can enable the Access

Monitor. A client is only granted access to sensitive resources if it is healthy.

1. Open the **SSL-VPN** page (**Config > Full Config** > **Box** > **Virtual Servers** > ***your virtual server*** > **Assigned Services** > **VPN-Service**).
2. In the left menu, click **NG Access Monitor**.
3. From the **Active** list, select **yes**.
4. Enter the **Access Control Service IP**.
5. In the **User Groups** field, enter the groups that should be checked.
   To configure the Access Monitor settings, edit the Access Control Service settings.
6. Click **Send Changes** and **Activate**.

Next Step

Continue with How to Configure a Local Database for SSL VPN.

Figures

1. sslvpn01_LOGJAM.png