

## How to Set Up Barracuda VPN CA VPN Certificates

<https://campus.barracuda.com/doc/79462821/>

If you are using a client-to-site or site-to-site tunnel using the Barracuda VPN CA you can create the certificates directly in the VPN Settings via Barracuda Firewall Admin or import certificates from an external CA.

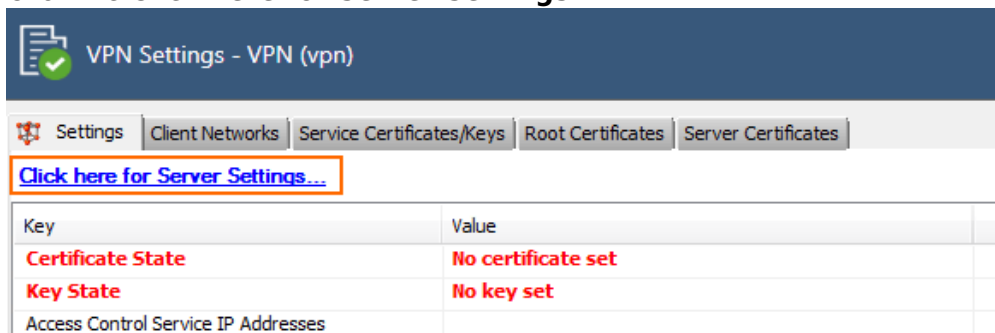
### Step 1. Create Default Server Certificate and Key

You can create the certificate via Barracuda Firewall Admin or import external certificates.

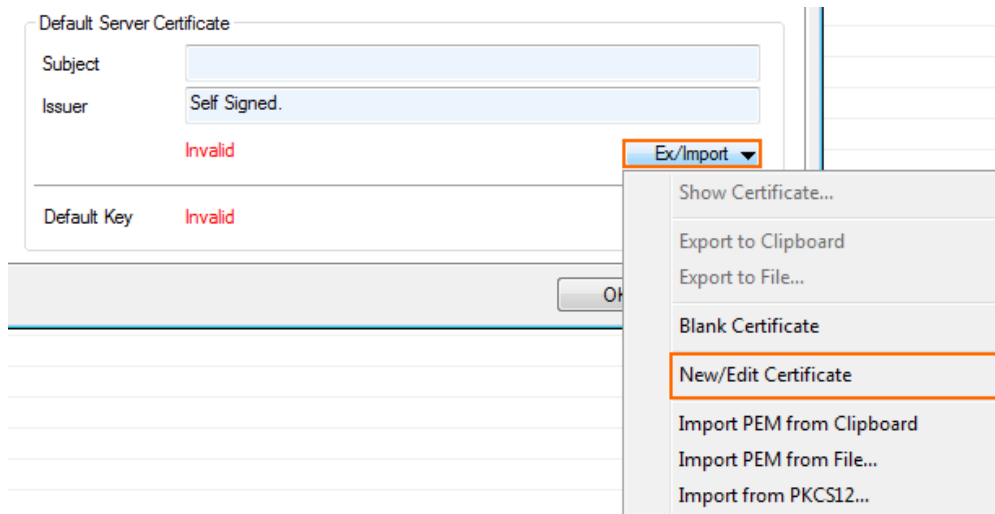
#### Create Certificate and Private Key in Barracuda Firewall Admin

VPN certificates generated directly in the VPN settings are signed by the self-signed Barracuda root certificate of the firewall.

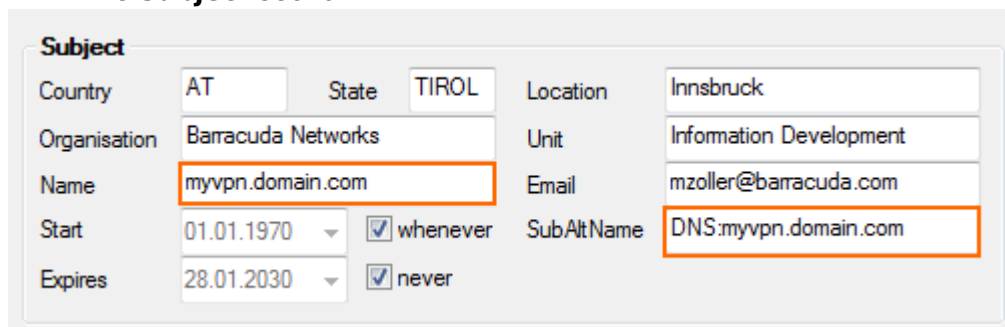
1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > your virtual server > Assigned Services > VPN-Service > VPN Settings**.
2. Click **Lock**.
3. Click the **Settings** tab.
4. Click the **Click here for Server Settings** link.



5. In the **Default Server Certificate** section, click **Ex/Import** and select **New/Edit Certificate**. The **Certificate View** window opens.



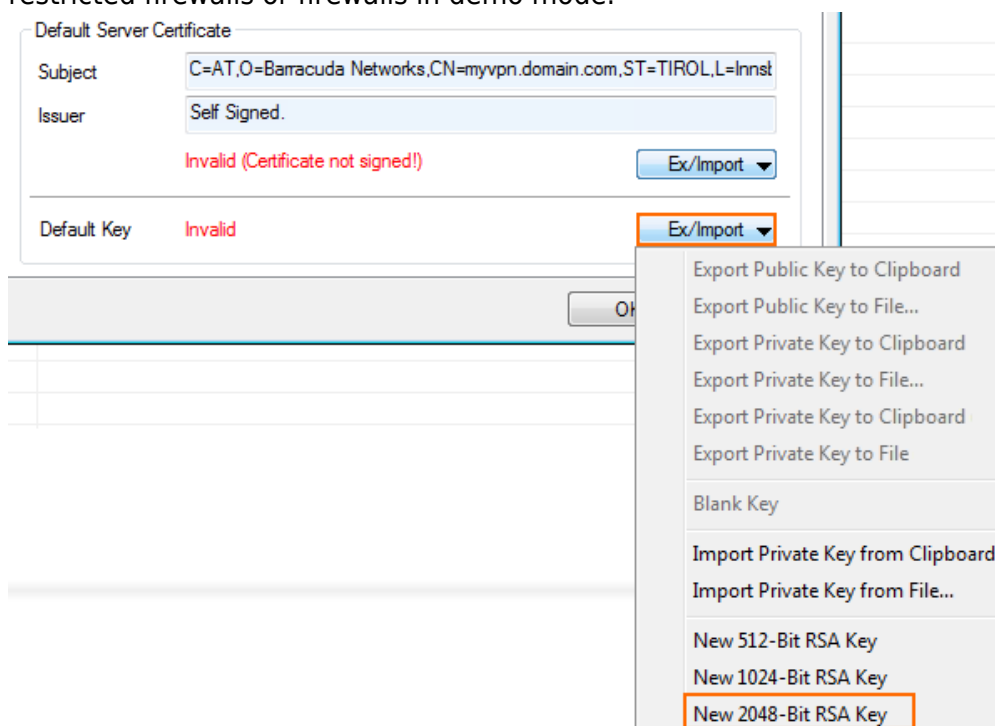
6. Fill in the **Subject** section.



7. Click **OK**.

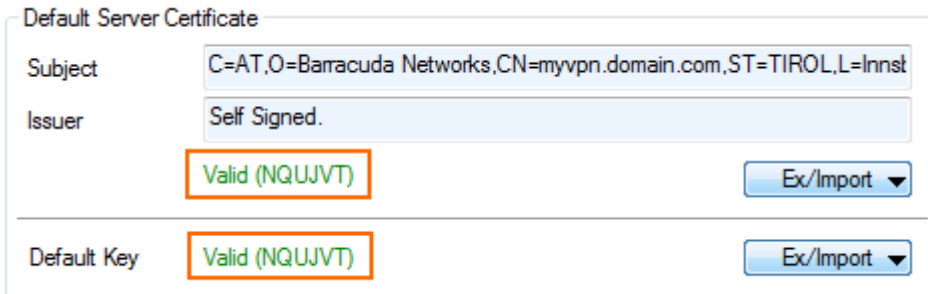
8. In the **Default Key** section, click **Ex/Import**.

9. Select **New 2048-Bit RSA key** for fully licensed firewalls or **New 512-Bit RSA key** for export restricted firewalls or firewalls in demo mode.



10. Click **Yes**.
11. Click **OK**.
12. Click **Send Changes** and **Activate**.

The **Default Server Certificate** and the **Default Key** are now listed with a valid (green) signature.



Default Server Certificate	
Subject	C=AT,O=Barracuda Networks,CN=myvpn.domain.com,ST=TIROL,L=Innst
Issuer	Self Signed.
	Valid (NQUJVT) Ex/Import ▼
Default Key	
	Valid (NQUJVT) Ex/Import ▼

### Import Certificate and Private Key

You can also import certificates created in an external CA into the Barracuda VPN CA.

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > your virtual server > Assigned Services > VPN-Service > VPN Settings**.
2. Click **Lock**.
3. Click the **Settings** tab.
4. Click the **Click here for Server Settings** link.
5. In the **Default Server Certificate** section, click **Ex/Import** and select either **Import PEM from file** or **Import from PKCS12**, depending on the external certificate format.
6. In the **Default Key** section, click **Ex/Import** and select **Import Private Key from File**.
7. Click **OK**.
8. Click **Send Changes** and **Activate**.

If the certificates are valid the **Default Server Certificate** and the **Default Server Key** are now listed with a valid (green) signature.

### Step 2. Create a Service Certificate/Key

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > your virtual server > Assigned Services > VPN-Service > VPN Settings**.
2. Click **Lock**.
3. Click the **Service Certificates/Keys** tab.
4. Right-click the table and select **New Key**.
5. Enter a **Key Name** and click **OK**.
6. Select the **Key Length** and click **OK**.
7. Click **Send Changes** and **Activate**.

Your server certificate appears under the **Service Certificates/Keys** tab.

Settings	Client Networks	Service Certificates/Keys	Root Certificates	Server Certificates
Keyname	Hash	Comment	Bits	
VPNServiceCertKeys	VWTXOK		2048	

## Figures

1. cuda\_ca\_01.png
2. cuda\_ca\_02.png
3. cuda\_ca\_03.png
4. cuda\_ca\_04.png
5. cuda\_ca\_05.png
6. cuda\_ca\_06.png

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