

## How to Set Up Barracuda VPN CA VPN Certificates

<https://campus.barracuda.com/doc/96026074/>

If you are using a client-to-site or site-to-site tunnel using the Barracuda VPN CA, you can either 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 > Assigned Services > VPN-Service > VPN Settings**.
2. In the left menu, select **General**.
3. Click **Lock**.
4. In the **Default Server Certificate** field, select **explicit**.
5. Expand the drop-down menu next to the **Private key** field.
6. Select **Create new key**.

Default Server Certificate	<input type="text" value="&lt;explicit&gt;"/>
Private key	<input type="text" value="No Key present"/>
Certificate	<input type="text" value="No Certificate present"/>



7. Next to **Key Length**, select **2048 Bit** for fully licensed firewalls or **512 Bit** for export-restricted firewalls or firewalls in demo mode.
8. Click **OK**.
9. Expand the drop-down menu next to the **Certificate** field.
10. Select **Create new certificate**.
11. Fill in the **Subject** section.

 Certificate View ×

**Subject**

Name [CN]	myvpn.domain.com	Country [C]	AT
State [ST]	Tirol	Location [L]	Austria
Org. [O]	Barracuda Networks	Unit [OU]	Information Development
Email [E]	admin@myvpn.domain.com	SubAltName	DNS:myvpn.domain.com

Use Time Scope

From  To

12. Click **OK**.
13. Click **Send Changes** and **Activate**.

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

**Service**

Listen on port 443	<input checked="" type="checkbox"/>
Maximum number of tunnels	<auto>
CRL poll time (minutes)	0
Site to Site authentication	<input checked="" type="checkbox"/>
Add VPN routes to main routing table	No
Allow concurrent user sessions	<input checked="" type="checkbox"/>
Use Perfect Forward Secrecy	Yes
Accounting information storage time (days)	14
Send SDWAN data to Control Center	<auto>
Default Server Certificate	<input checked="" type="checkbox"/> <explicit>
Private key	<input checked="" type="checkbox"/> Hash: LQNVWR 2048 Bits 
Certificate	<input checked="" type="checkbox"/> Hash: LQNVWR 2048 Bits (self signed) 

### 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 > Assigned Services > VPN-Service > VPN Settings**.
2. Click **Lock**.
3. Expand the drop-down menu next to the **Private key** field.
4. Select **Import from File** and import the private key.
5. Expand the drop-down menu next to the **Certificate** field.

6. Select an import option for the external certificate, depending on the format.
7. Click **Send Changes** and **Activate**.

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

## Step 2. Create a Service Key

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1. Go to **CONFIGURATION > Configuration Tree > Box > Assigned Services > VPN-Service > VPN Settings**.
2. Click **Lock**.
3. In the left menu, select **Service Keys**.
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 key appears under the **Service Keys** tab.

## Figures

1. new\_key.png
2. cuda\_ca.png
3. ca\_cert\_01.png

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