

How to Configure Client Certificate Authentication for the SSL VPN

<https://campus.barracuda.com/doc/96026110/>

The SSL VPN service supports authentication via client certificates either as the only authentication method, or in combination with user/password authentication. The client certificates must be installed on the client devices and can be used for the desktop and mobile portal as well as CudaLaunch on iOS and Android.

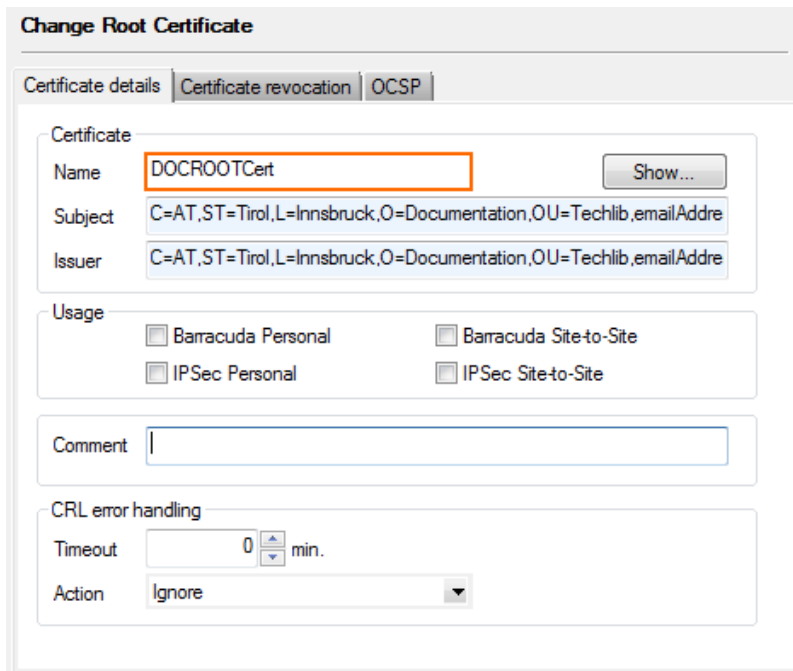
Before You Begin

- Configure the SSL VPN service. For more information, see [How to Configure the SSL VPN Service](#).
- Create root and client certificates. For more information, see [How to Create Certificates for a Client-to-Site VPN](#).
- If you are using a mobile device, verify that client certificate authentication is supported. For more information, see [SSL VPN Supported Browsers, Devices, and Operating Systems](#)

Step 1. Import the Root Certificate for VPN Service

Import the root certificate used to verify the client certificates. The certificate must be in PEM or CER format.

1. Go to **CONFIGURATION > Configuration Tree > Box > Assigned Services > VPN > VPN Settings**.
2. Click **Lock**.
3. In the left menu, select **Root Certificates**.
4. Right-click in the list and select **Import PEM from File** or **Import CER from File** depending on the format of your certificate file.
5. Select the certificate on your disk. The **Root Certificate** window opens.
6. Enter a **Name**.



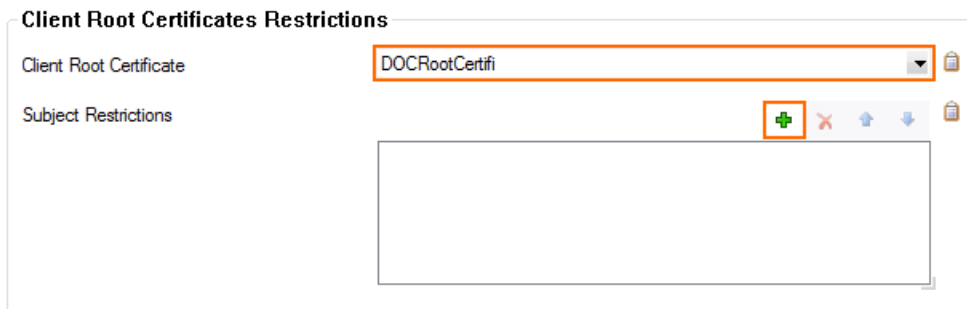
7. Click **OK**.
8. Click **Send Changes** and **Activate**.

The root certificate is now shown in the **Root Certificates** list.

Step 2. Configure Client Authentication for SSL VPN

Configure the SSL VPN to use client certificate authentication.

1. Go to **CONFIGURATION > Configuration Tree > Box > Assigned Services > VPN > SSL VPN**.
2. Click **Lock**.
3. In the left menu, expand the **Configuration Mode** section and click **Switch to Advanced Mode**.
4. Set **Use Client Certificate Authentication**:
 - **yes** – Select to use client certificate authentication in addition to user/password authentication.
 - **cert-only** – Select to only use certificate authentication.
5. Click **+** to add an entry to the **Root Certificates** list. The **Root Certificates** window opens.
6. Enter a **Name** and click **OK**.
7. Select the root certificate you uploaded in Step 1 from the **Client Root Certificate** drop-down menu.
8. (optional) Add **Subject Restrictions** to allow only client certificates matching these patterns to connect.

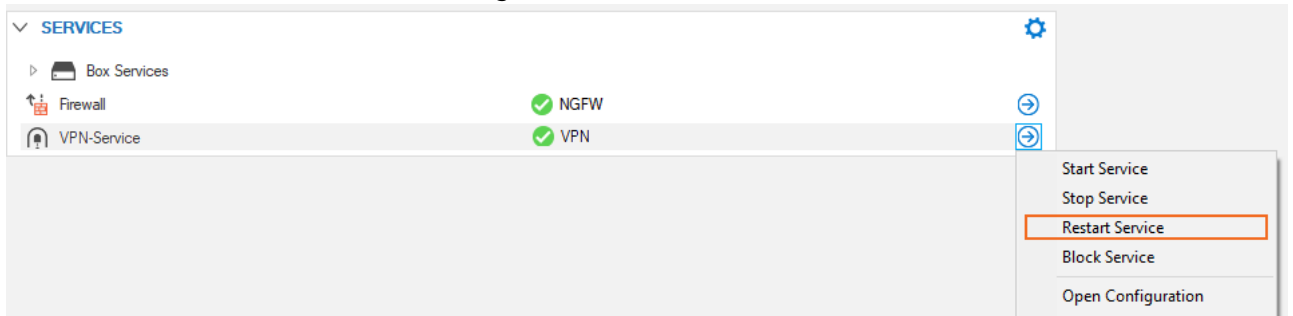


9. Click **OK**.
10. Click **Send Changes** and **Activate**.

Step 3. Restart the VPN Service

You must restart the VPN service for the changes to take effect.

1. Go to **CONTROL > Services**.
2. In the **Services** section, select the VPN service.
3. Click on the blue arrow icon on the right of the service and select **Restart Service**.



You can now use client certificate authentication to log into the SSL VPN desktop and mobile portals as well as CudaLaunch.

Next Steps

Install the client certificates on your client devices. When used in combination with CudaLaunch, see [How to Configure CudaLaunch for Mobile with Client Certificate Authentication](#).

Figures

1. client_cert_auth02.png
2. client_cert_auth04.png
3. restart_vpn.png

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