How to Configure Client Certificate Authentication for the SSL VPN

https://campus.barracuda.com/doc/45026600/

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.

In this article

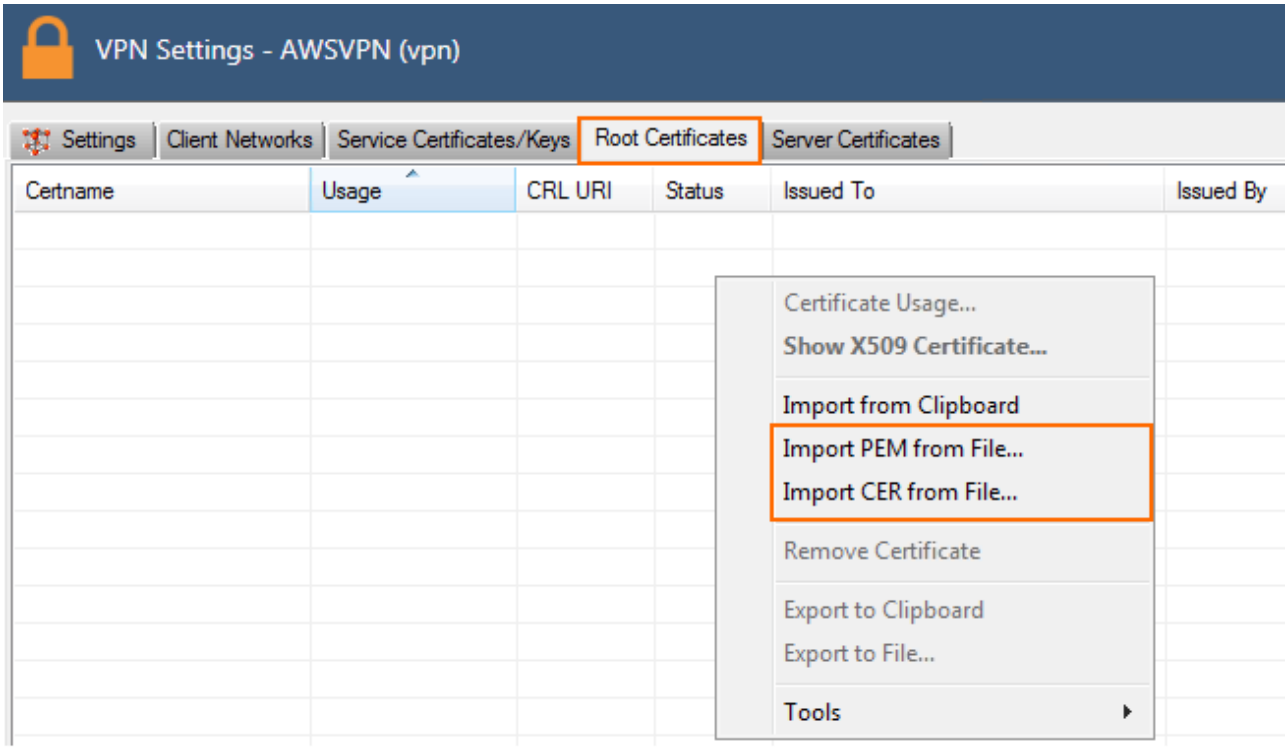
Before You Begin

- Configure the SSL VPN service. For more information, see How to Configure the NG 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 Supported Mobile Devices

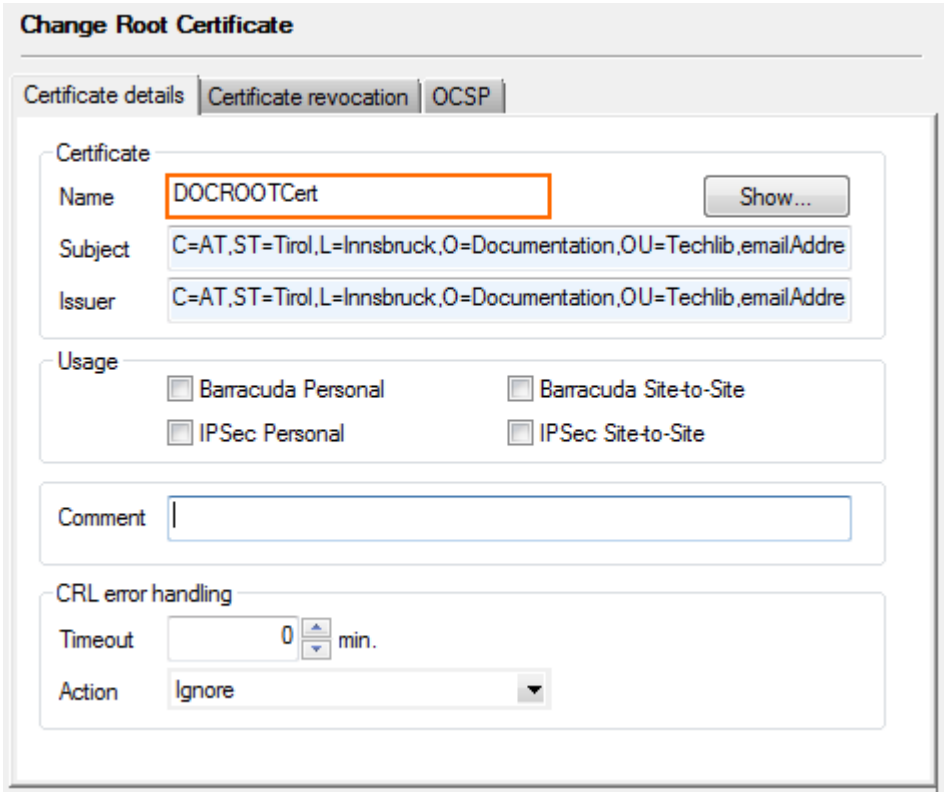
Step 1. Import Root certificate for VPN service

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 > Virtual Servers > *your virtual server* > Assigned Services > VPN > VPN Settings**.
2. Click **Lock**.
3. Click on the **Root Certificates** tab.
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**.



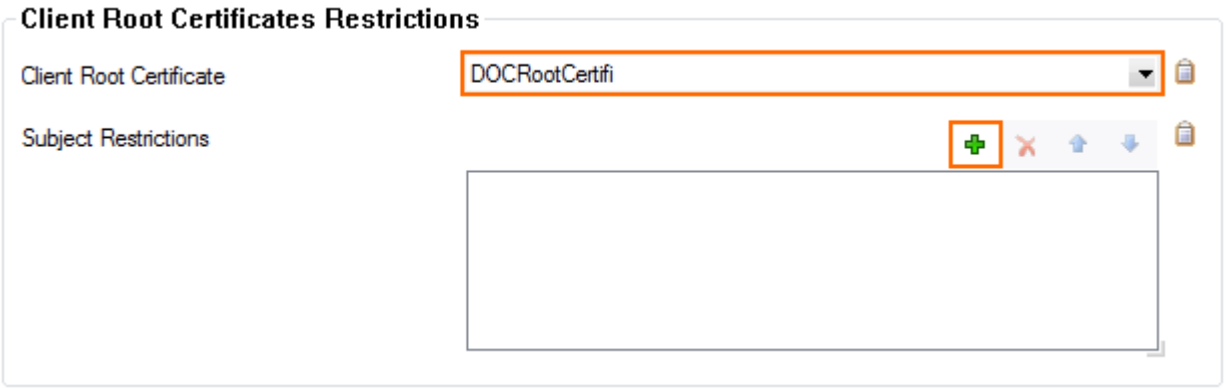
7. Click **OK**.
8. Click **Send Changes** and **Activate**.

The root certificate is now listed in the **Root Certificates** tab.

Step 2. Configure Client Authentication for SSL VPN

Configure the SSL VPN to use client certificate authentication.

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > *your virtual server* > 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** dropdown.
8. (optional) Add **Subject Restrictions** to allow only client certificates matching these patterns to connect.

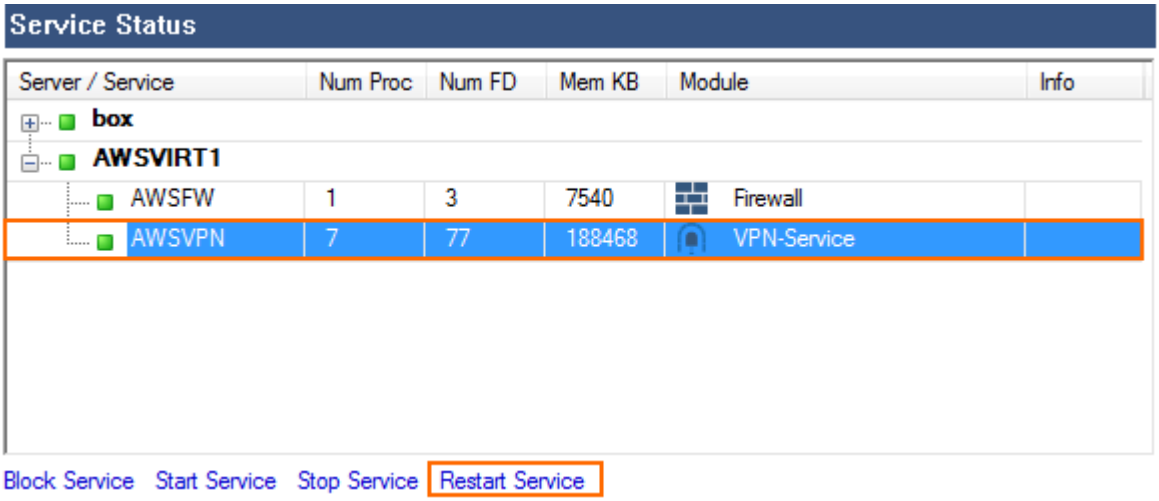


9. Click **OK**.
10. Click **Send Changes** and **Activate**.

Step 3. Restart the VPN Service

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

1. Go to **CONTROL > Server**.
2. In the **Service Status** section select the VPN Service.
3. Click **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 with Client Certificate Authentication.

Figures

1. client_cert_auth01.png
2. client_cert_auth02.png
3. client_cert_auth03.png
4. client_cert_auth04.png
5. client_cert_auth05.png