THEGREENBOW

Windows VPN Client

Palo Alto 2.0.4 Configuration Guide

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www.thegreenbow.com

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Document revision history

Version	Date	Sections/pages concerned	Description of change	Author
1.0	2022-04-22	All	Initial draft	AL, BB

1 Introduction

1.1 Purpose of document

This configuration guide describes how to configure version 6.8 of TheGreenBow Windows Enterprise VPN Client to establish VPN connections with version 2.0.4 of the Palo Alto firewall.

1.2 Software versions used

We used the following software versions to draft this document:

- Palo Alto version 2.0.4
- TheGreenBow Windows Enterprise VPN Client version 6.86.015

The instructions contained in this configuration guide should also work with newer versions of the Palo Alto firewall and TheGreenBow Windows Enterprise VPN Client.

2 Configuring the Palo Alto firewall

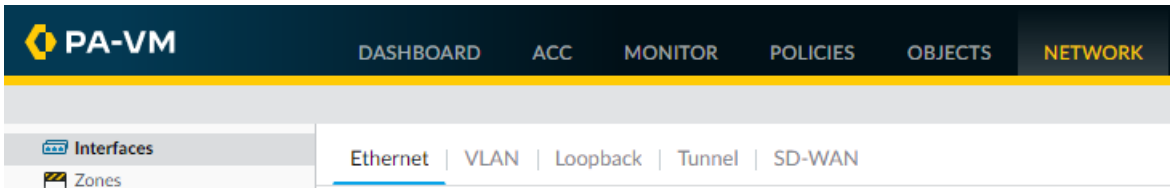
This section describes how to configure your Palo Alto firewall.

2.1 Configuring Network/Interfaces

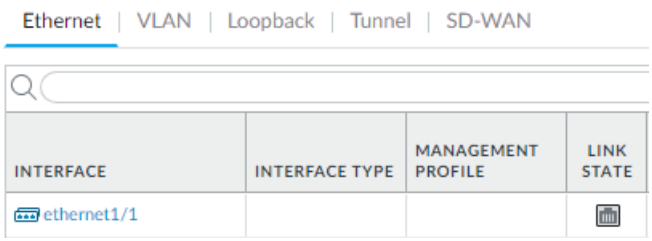
2.1.1 Configuring trusted physical interface (LAN)

Once you are connected, proceed as follows to configure trusted physical interfaces:

1. From the top menu, select **NETWORK**.

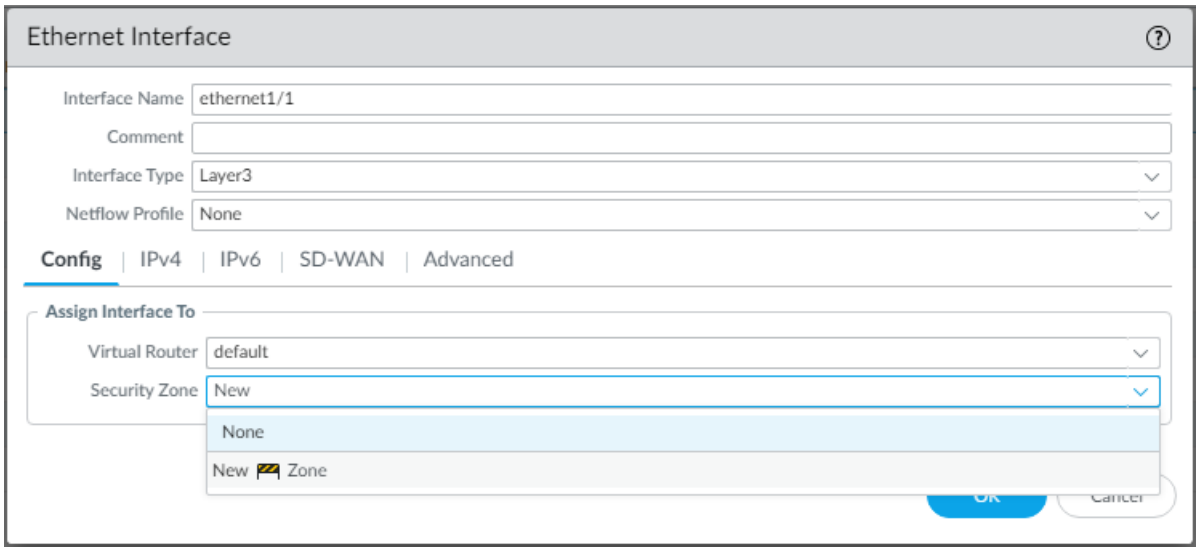


2. From the left menu, select **Interfaces**.
3. Then, click the **Ethernet** tab.

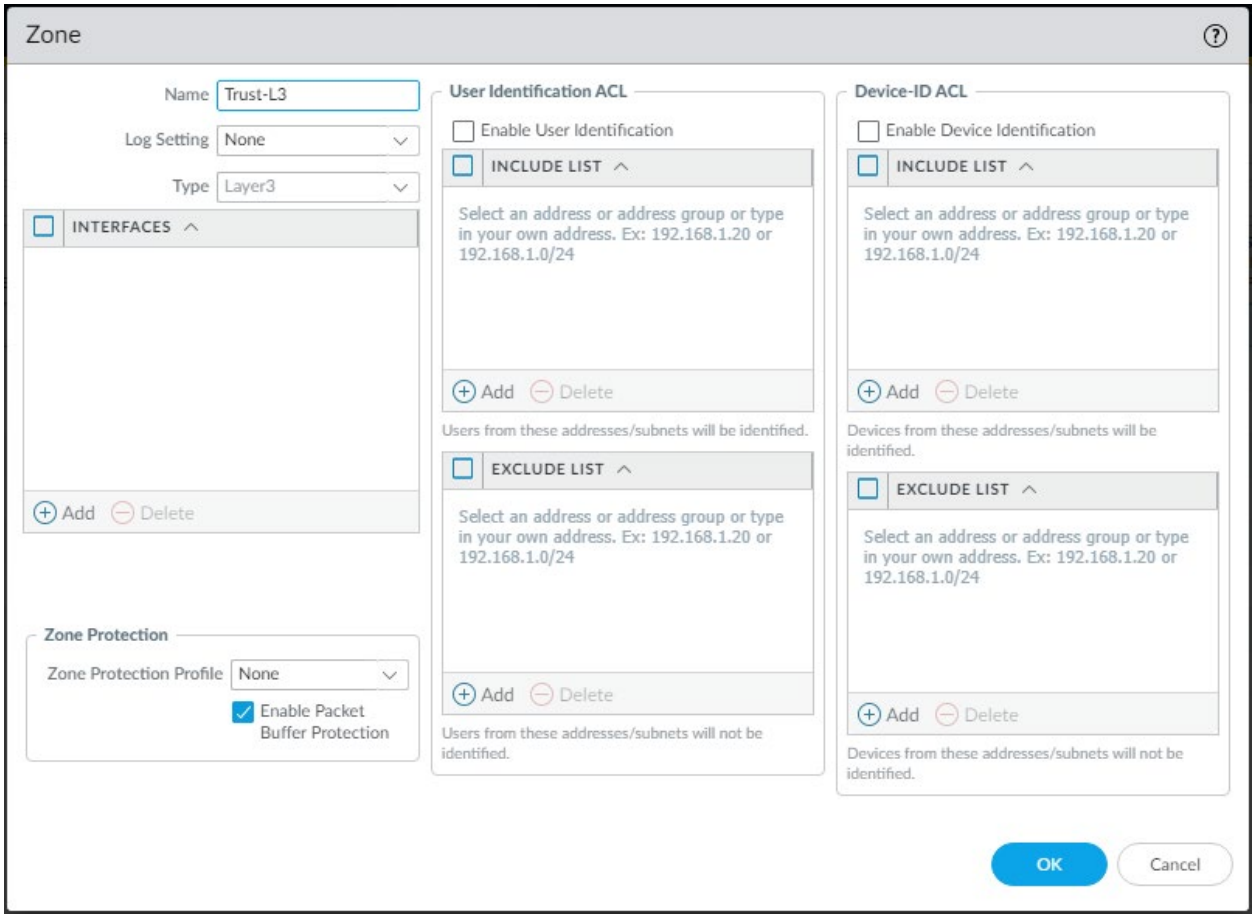


4. On the **Ethernet** tab, click **ethernet1/1**.

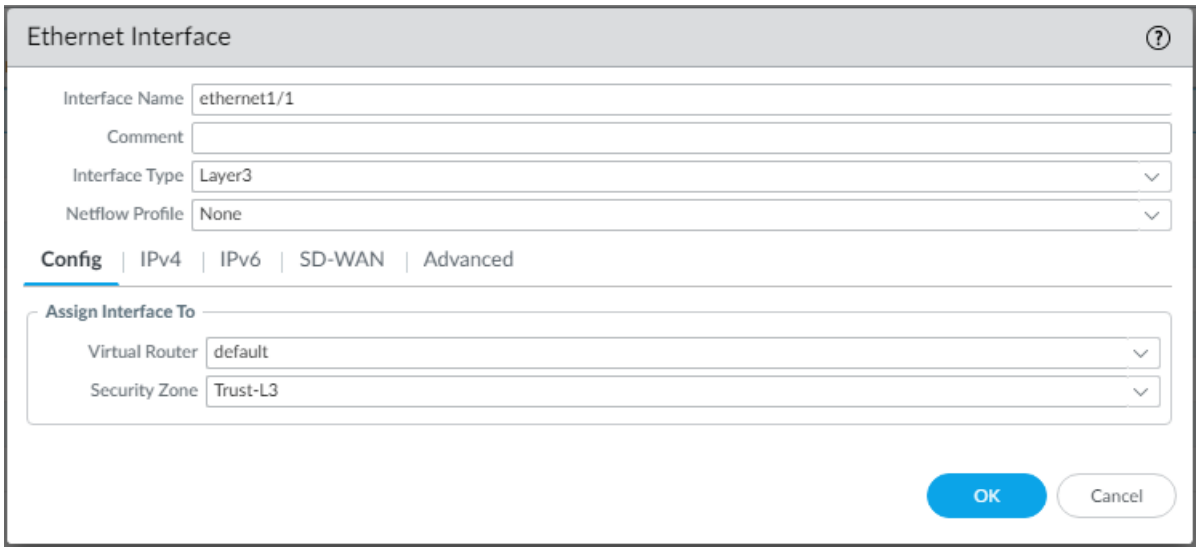
The **Ethernet Interface** window is displayed:



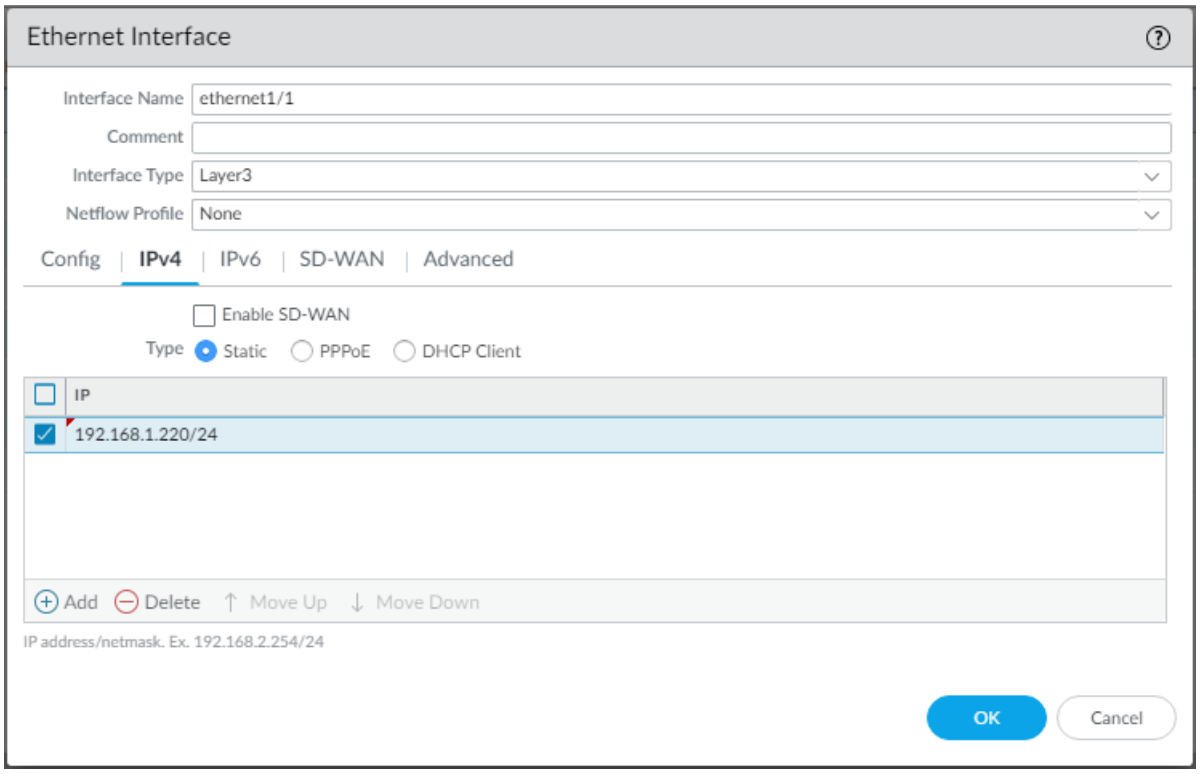
5. In the **Interface Type** drop-down list, select **Layer3**.
6. In the **Virtual Router** drop-down list, select **Default**.
7. In the **Security Zone** drop-down list, select **New Zone**. The **Zone** window is displayed:



8. In the **Name** field, enter `Trust-L3`, and then click **OK**. The **Security Zone** drop-down list is filled in automatically.

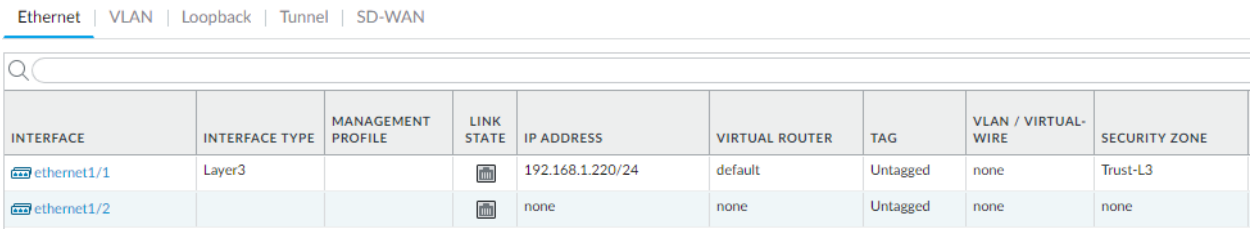


9. Click the **IPv4** tab, then click **Add** and enter the value `192.168.1.220/24`.



10. Click **OK**.

You should now see the trusted interface properly configured as follows:



Security Zone can be found under **NETWORK** > **Zones**.

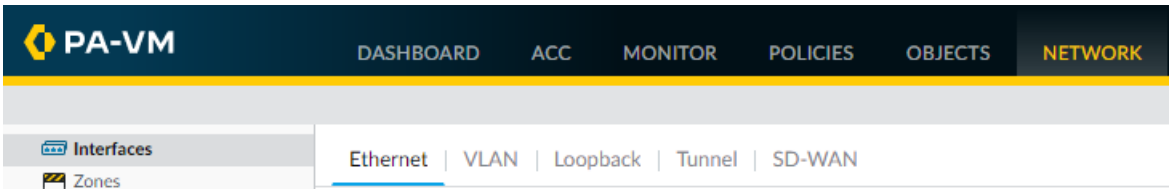
Repeat the above steps as many times as necessary to configure additional trusted physical interfaces.

You have successfully configured trusted physical interfaces. Proceed with configuring untrusted physical interfaces, as described in the next section.

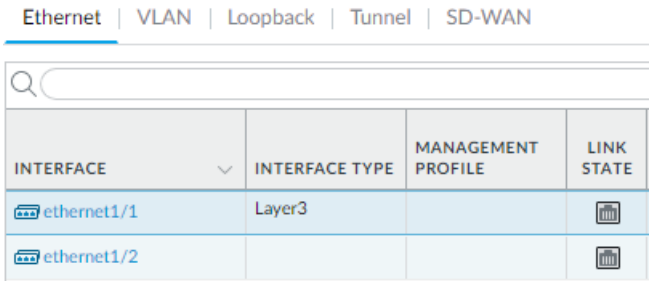
2.1.2 Configuring untrusted physical interfaces (WAN)

Proceed as follows to configure untrusted physical interfaces:

1. From the top menu, select **NETWORK**.

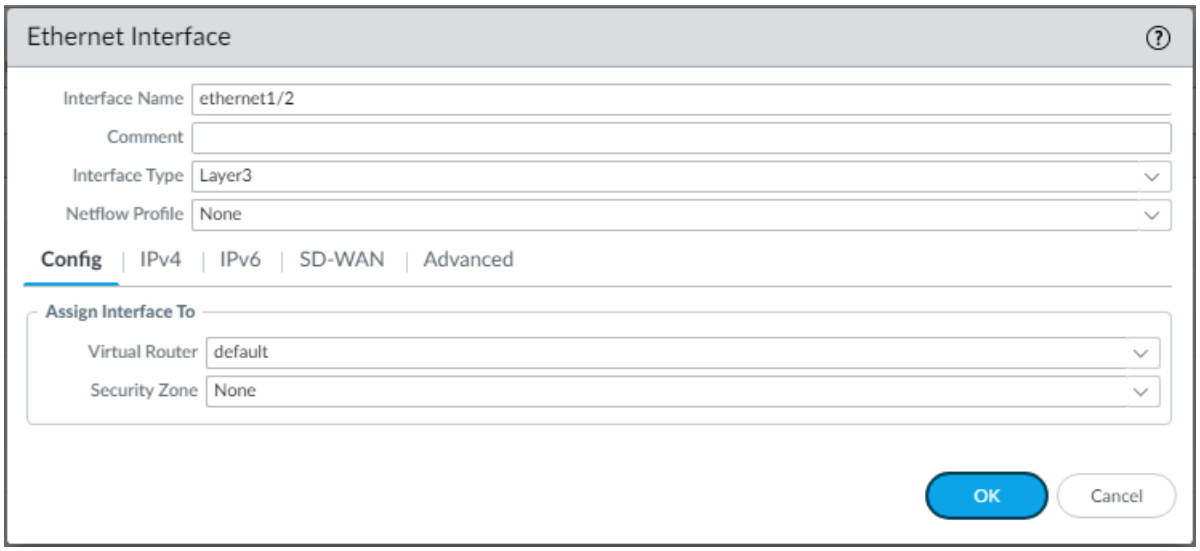


2. From the left menu, select **Interfaces**.
3. Then, click the **Ethernet** tab.

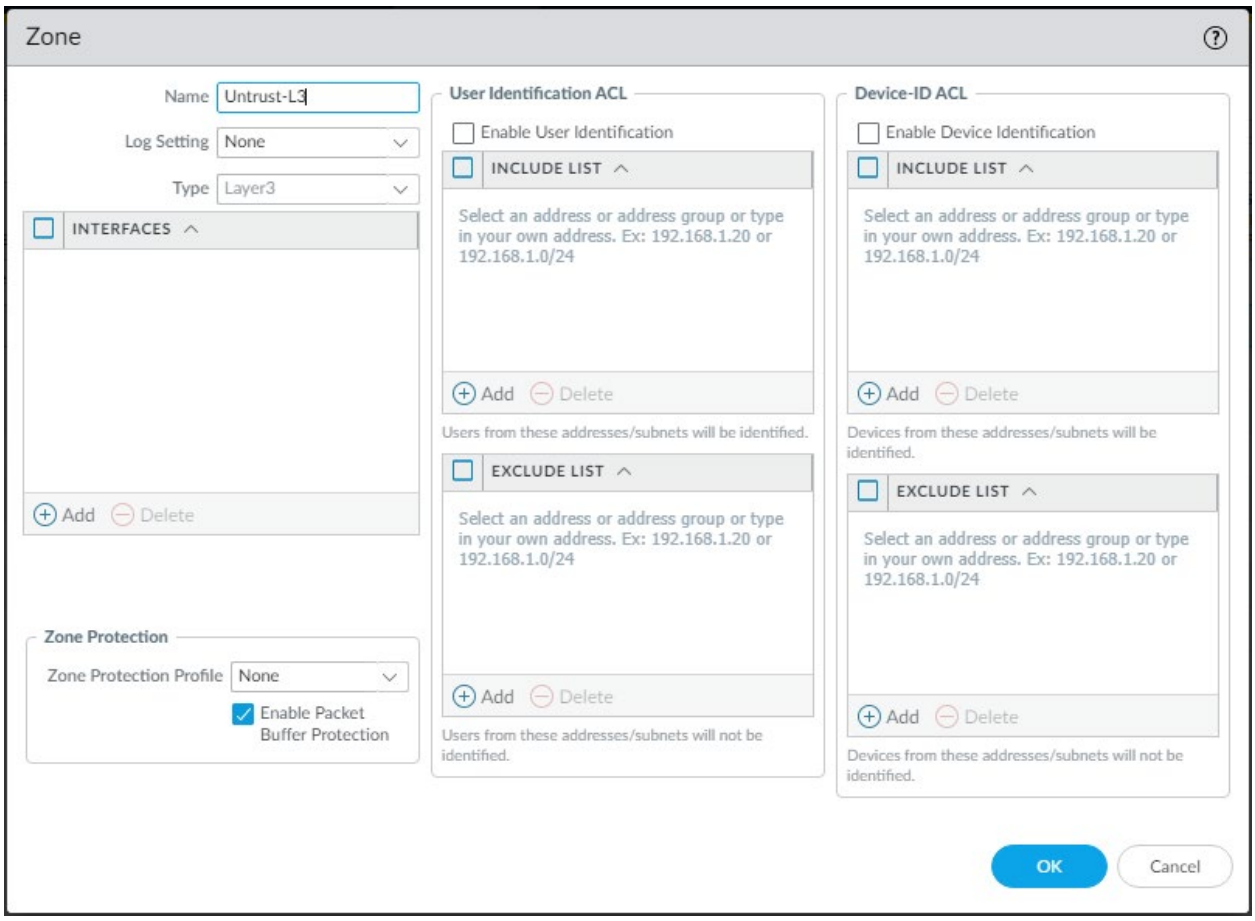


4. Click **ethernet1/2**.

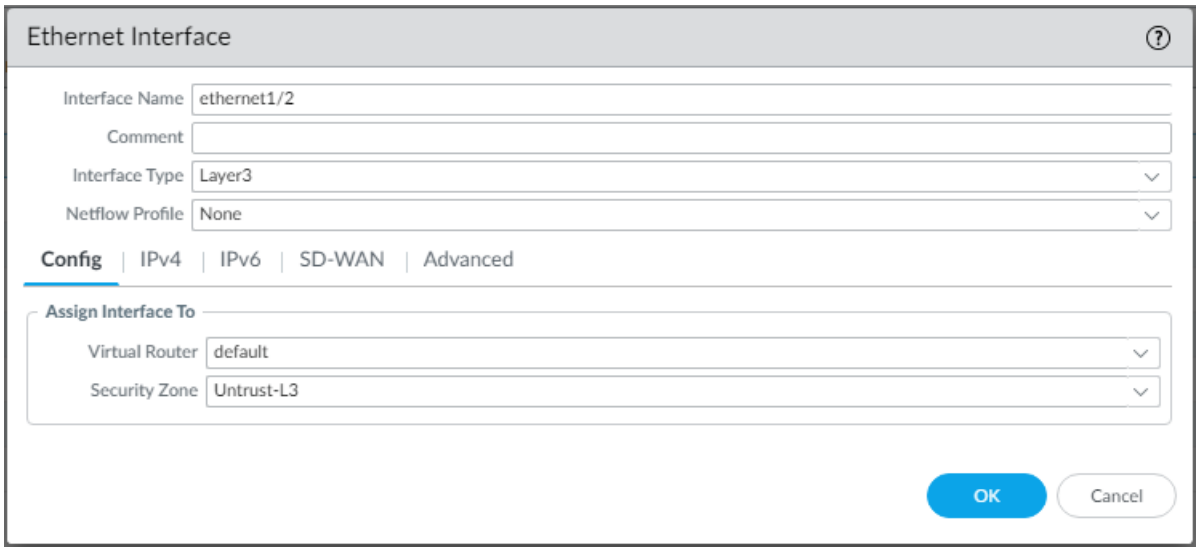
The **Ethernet Interface** window is displayed:



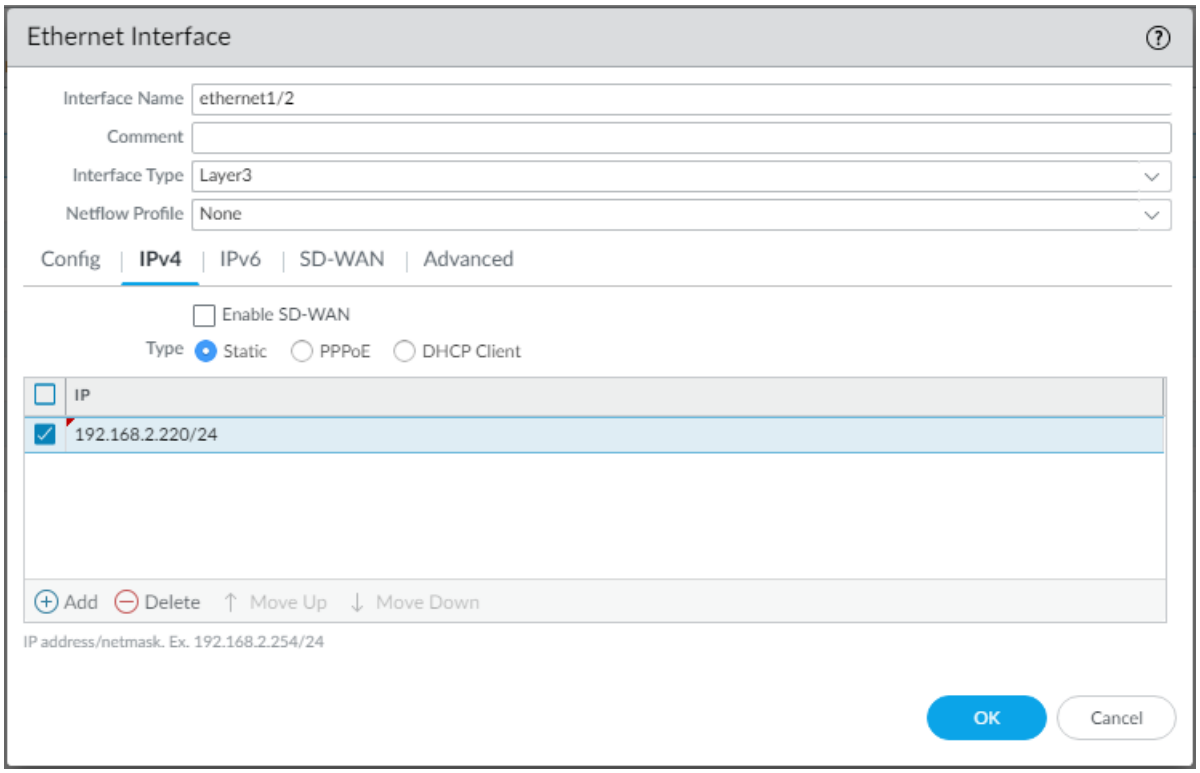
5. In the **Interface Type** drop-down list, select **Layer3**.
6. In the **Virtual Router** drop-down list, select **Default**.
7. In the **Security Zone** drop-down list, select **New Zone**. The **Zone** window is displayed:



8. In the **Name** field, enter `Untrust-L3`, and then click **OK**. The **Security Zone** drop-down list is filled in automatically.

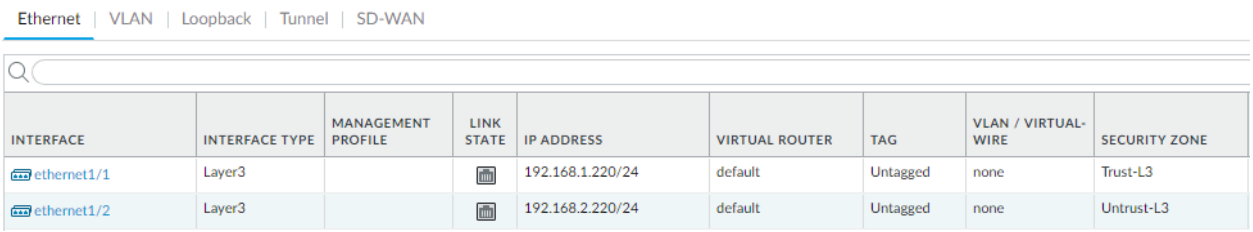


9. Click the **IPv4** tab, then click **Add** and enter the value `192.168.2.220/24`.



10. Click **OK**.

You should now see the untrusted interface properly configured as follows:



Security Zone can be found under **NETWORK** > **Zones**.

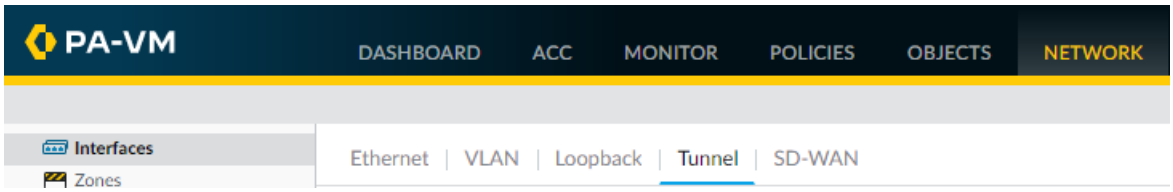
Repeat the above steps as many times as necessary to configure additional untrusted physical interfaces.

You have successfully configured untrusted physical interfaces. Proceed with configuring the virtual interface for the VPN tunnel, as described in the next section.

2.1.3 Configuring the virtual interface for the VPN tunnel

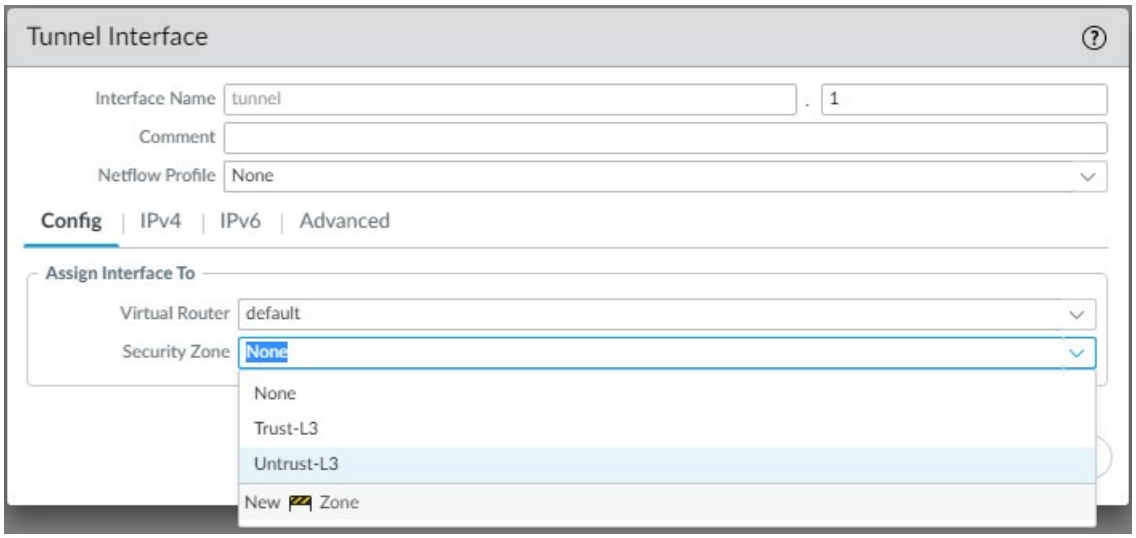
To configure the virtual interface for the VPN tunnel proceed as follows:

1. From the top menu, select **NETWORK**.

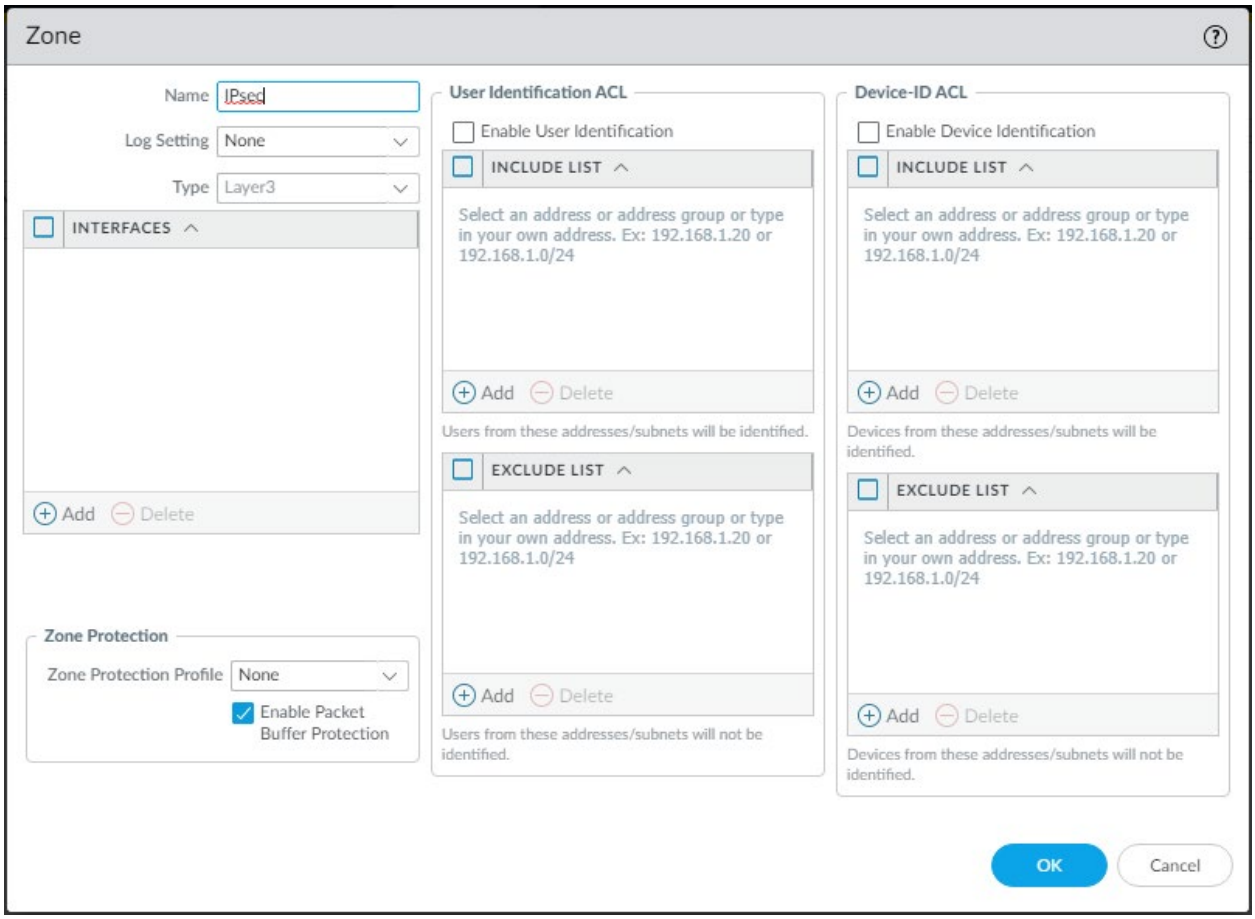


2. From the left menu, select **Interfaces**.
3. Then, click the **Tunnel** tab.
4. Click **Add**.

The **Tunnel Interface** window is displayed:

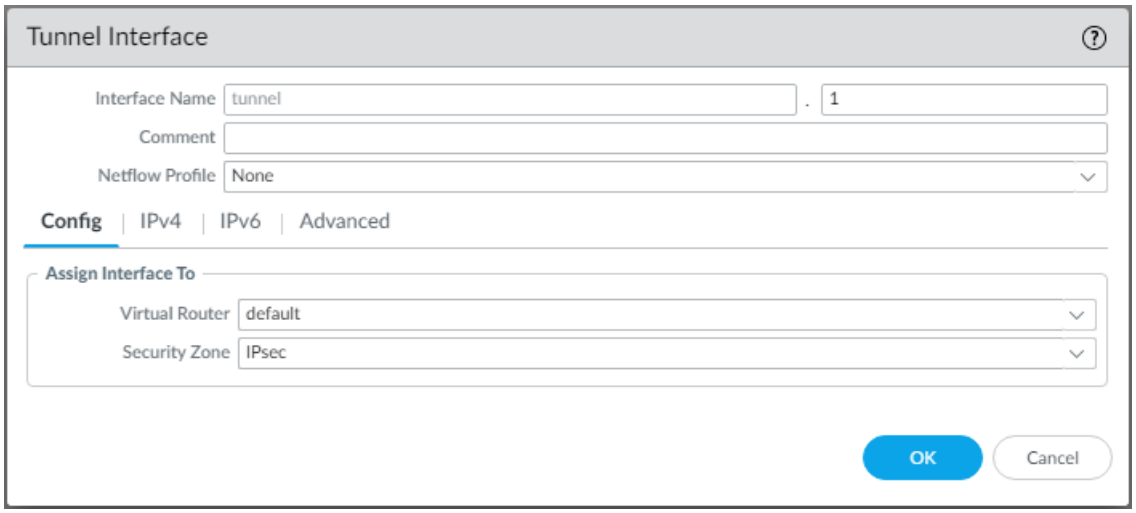


5. In the **Interface Name** field, enter the value `1`.
6. In the **Virtual Router** drop-down list, select **Default**.
7. In the **Security Zone** drop-down list, select **New Zone**. The **Zone** window is displayed:

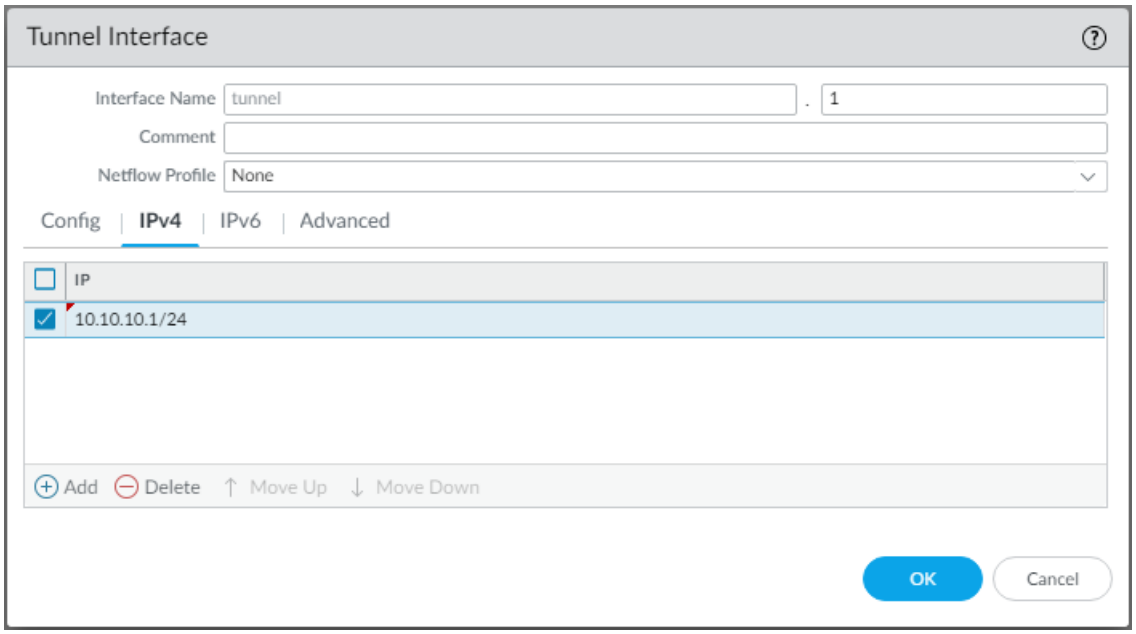


8. In the **Name** field, enter `IPsec`, and then click **OK**.

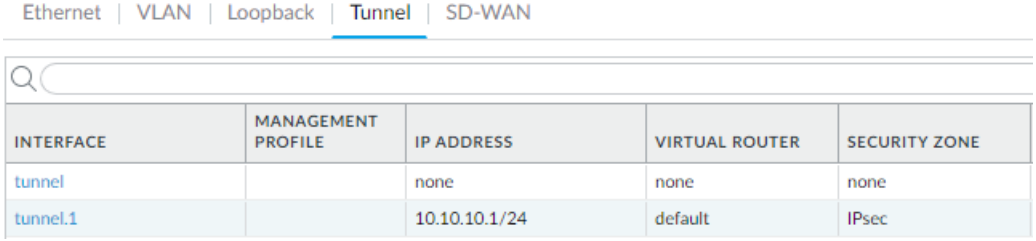
The **Security Zone** drop-down list is filled in automatically.



9. Click the **IPv4** tab, then click **Add** and enter the value `10.10.10.1/24`.



10. Click **OK**. You should now see the trusted interface properly configured as follows:



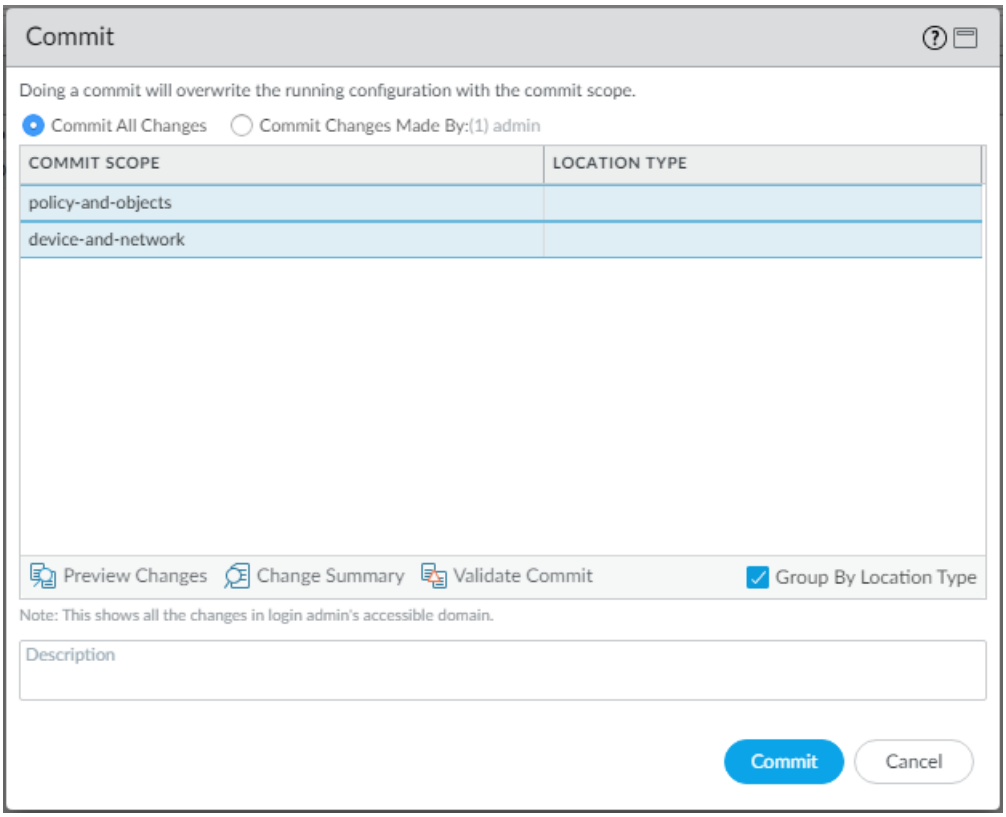
INTERFACE	MANAGEMENT PROFILE	IP ADDRESS	VIRTUAL ROUTER	SECURITY ZONE
tunnel		none	none	none
tunnel.1		10.10.10.1/24	default	IPsec

This IP address will be used as the virtual IP on TheGreenBow VPN Client in traffic selector.

Security Zone can be found under **NETWORK** > **Zones**.

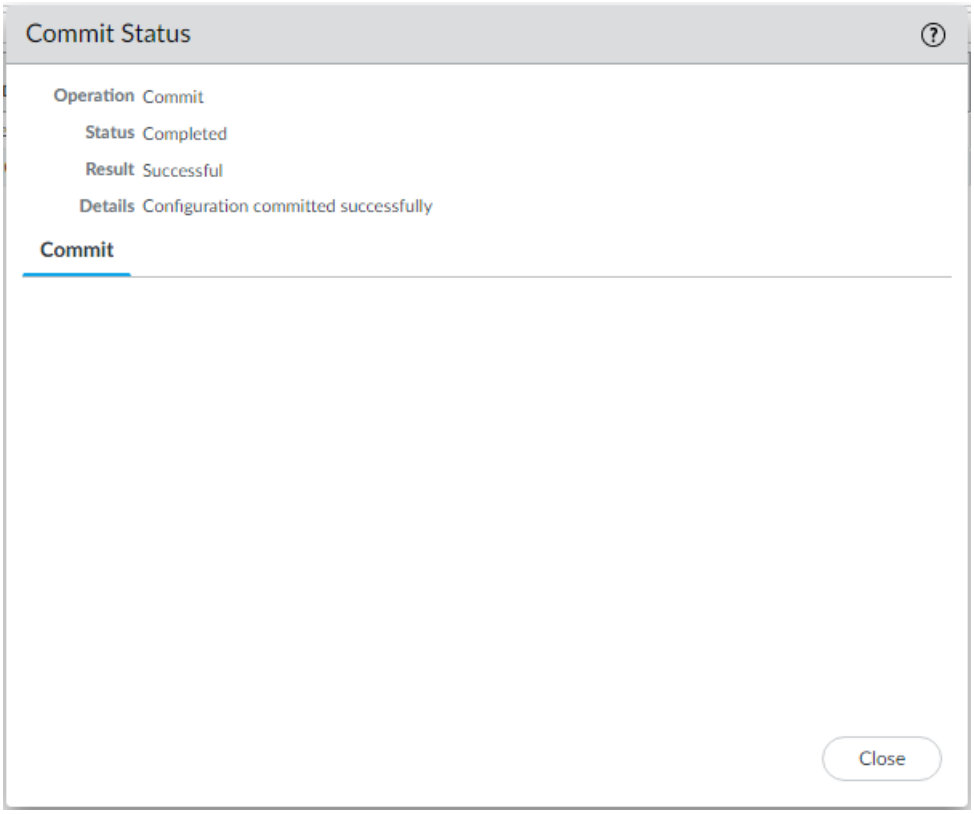
11. Click **Commit** at the top right to apply the configuration.

The **Commit** window is displayed:



12. Click **Commit** to apply the changes.

The **Commit Status** window is displayed:



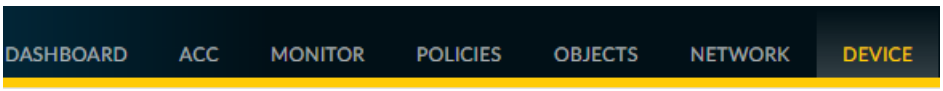
13. Click **Close**.

You have successfully configured the virtual interface for the VPN tunnel. Proceed with creating certificates, as described in the next section.

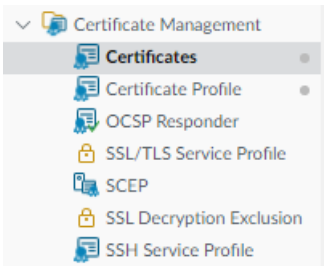
2.2 Creating certificates

To create the required certificates, follow the steps below:

1. From the top menu, select **DEVICE**.



2. Then, choose **Certificate Management** > **Certificates**.



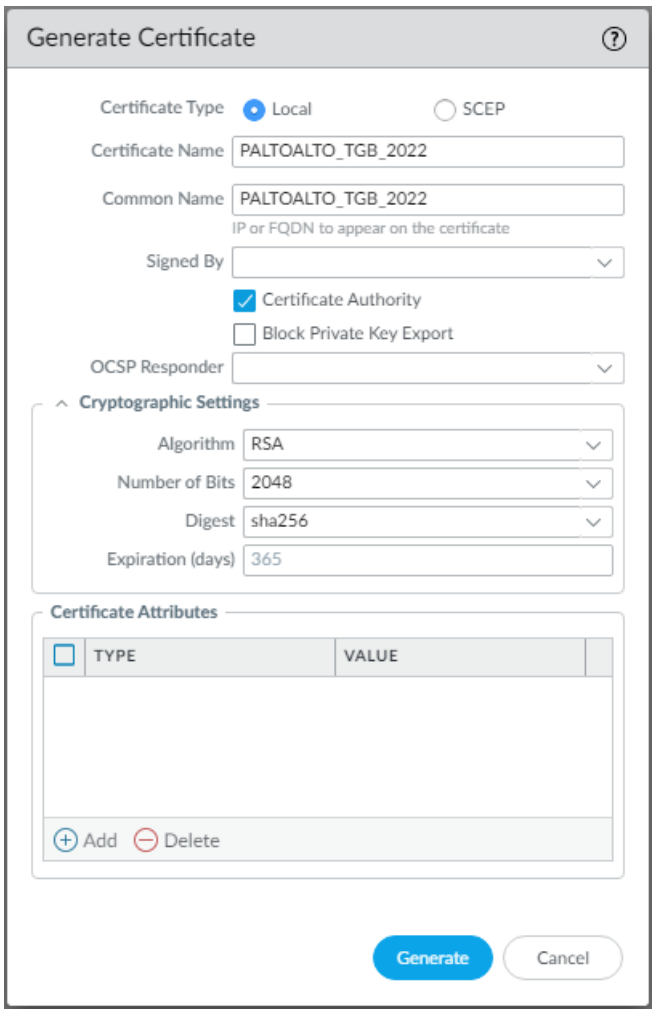
3. Follow the instructions below to create a set consisting of a Root Authority (CA), a User Identity, and a Server Identity.

2.2.1 Creating a Root Authority

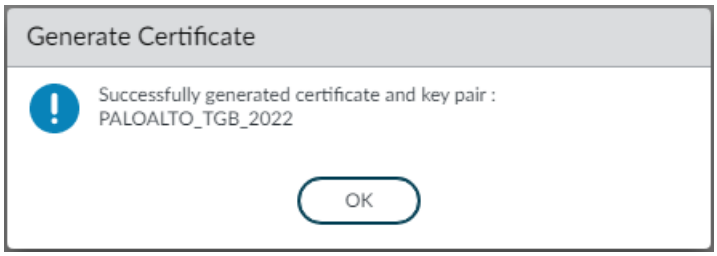
To create a Root Authority, proceed as follows:

1. Click **Generate** in the lower menu bar.

The **Generate Certificate** window is displayed:

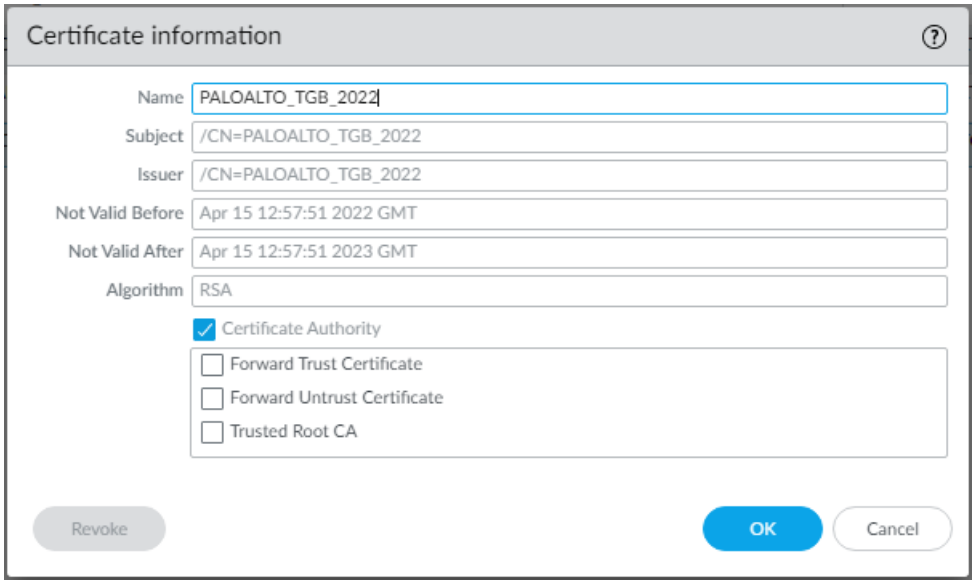


2. In the **Certificate Name** and **Common Name** fields, enter the value `PALOALTO_TGB_2022`.
3. Check the **Certificate Authority** box.
4. Click **Generate**. A confirmation prompt is displayed:



5. Click **OK**.

   The summary should appear as follows:



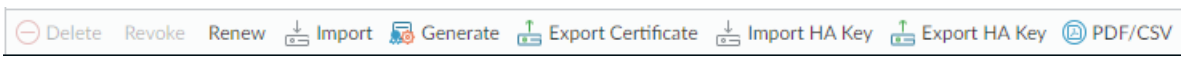
6. Click **OK**.

You have successfully created a Root Authority. Proceed with creating a User Identity, as described in the next section.

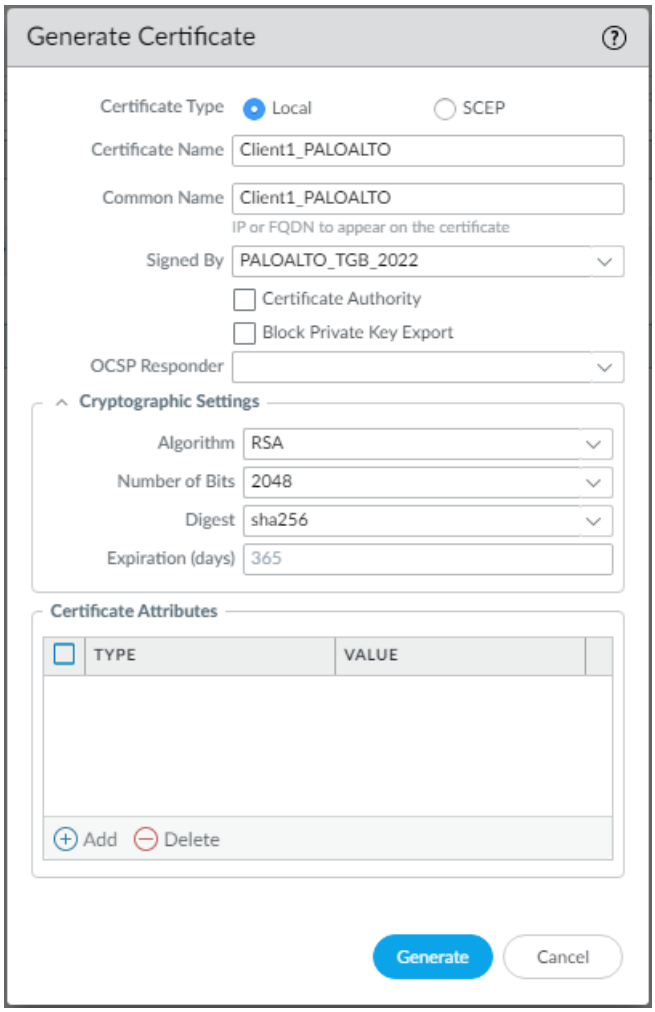
2.2.2 Creating a User Identity

To create a User Identity, proceed as follows:

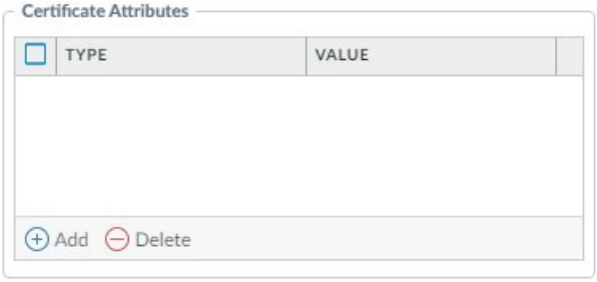
1. Click **Generate** in the lower menu bar.



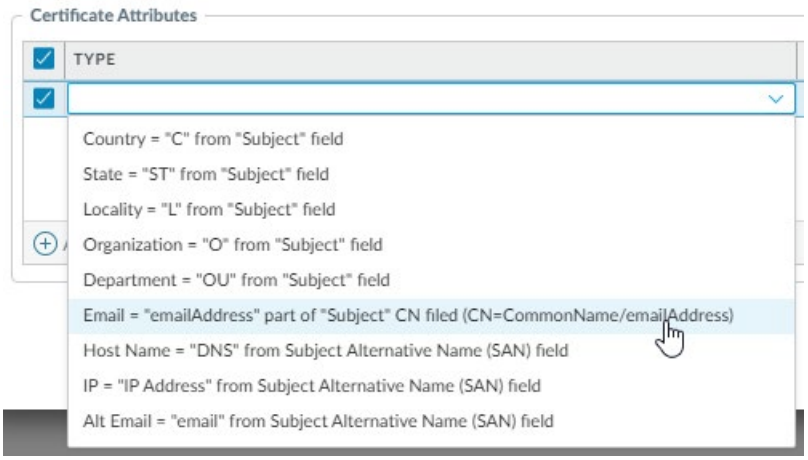
The **Generate Certificate** window is displayed:



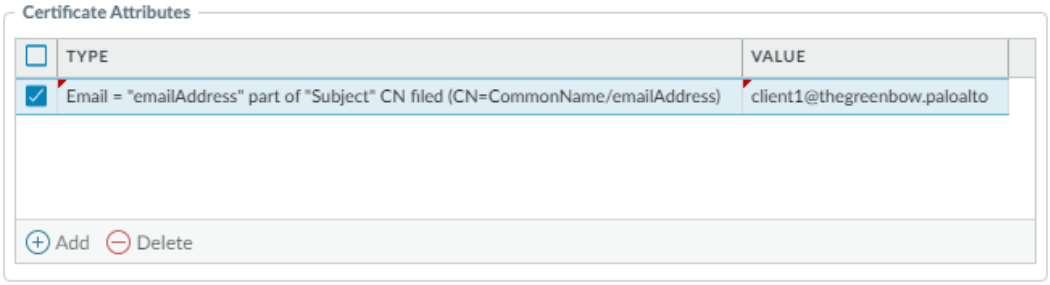
2. In the **Certificate Name** and **Common Name** fields, enter the value `Client1_PALOALTO`.
3. In the **Signed By** drop-down list, select the value **PALOALTO_TGB_2022**.
4. In the **Certificate Attributes** box, click **Add**.



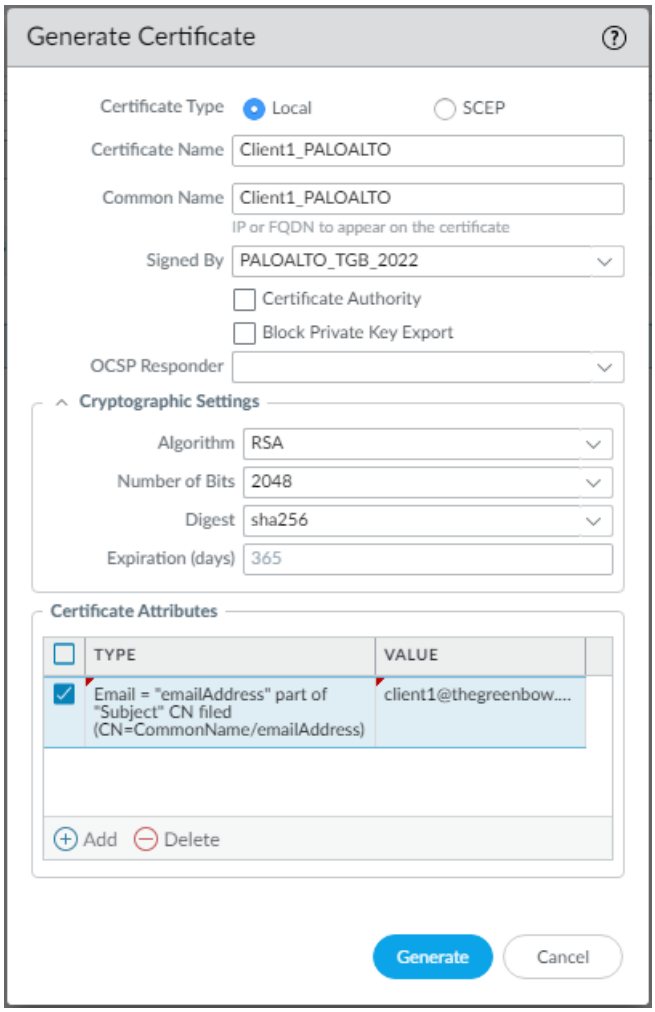
5. Select **TYPE** and choose the value **Email**.



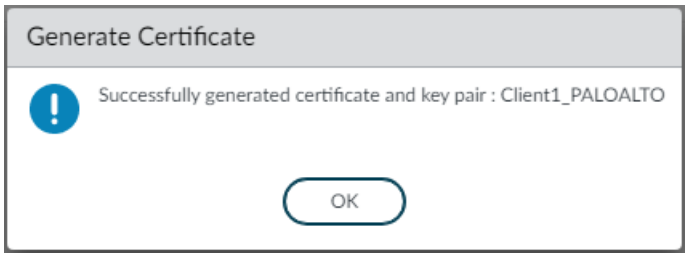
6. Define the relevant value for email from the VPN Client: `client1@thegreenbow.paloalto`.



The summary should appear as follows:

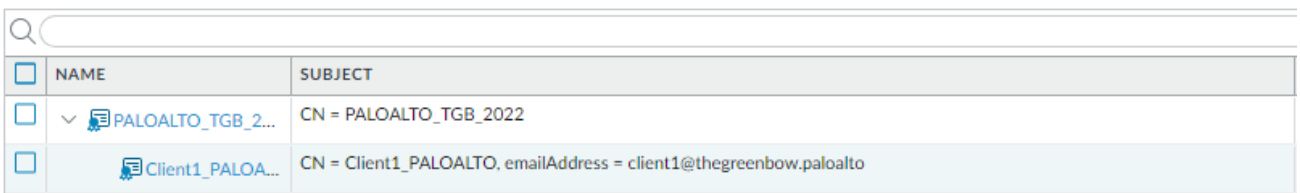


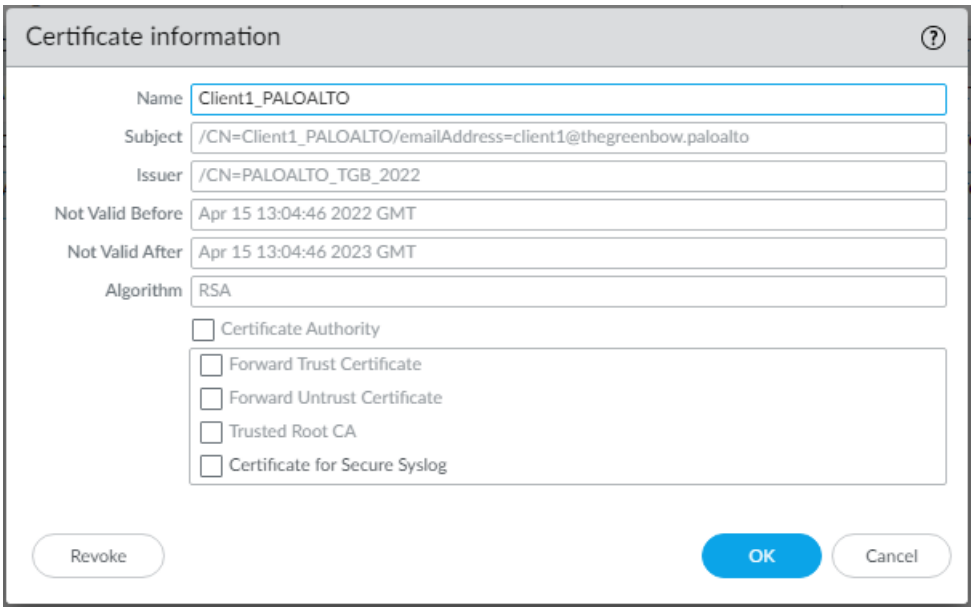
7. Click **Generate**. A confirmation prompt is displayed:



8. Click **OK**.

   The summary should appear as follows:





9. Click **OK**.

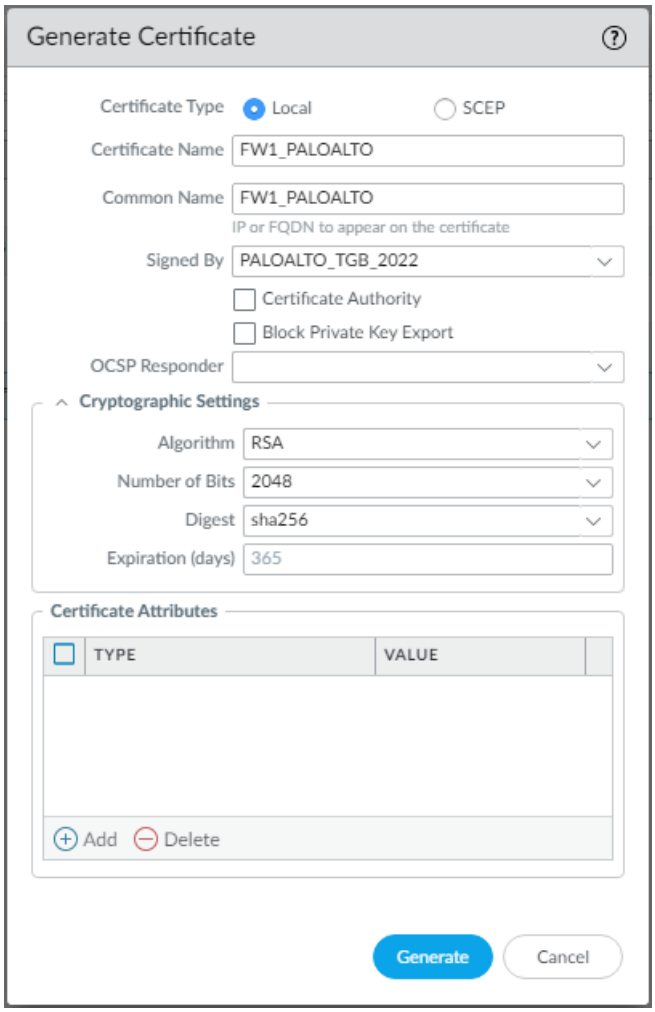
You have successfully created a User Identity. Proceed with creating a Server Identity, as described in the next section.

2.2.3 Creating a Server Identity

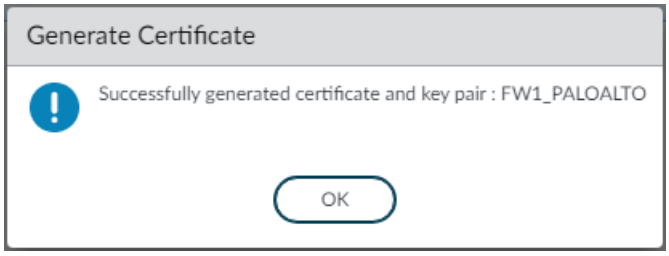
To create a Server Identity, proceed as follows:

1. Click **Generate** in the lower menu bar.

The **Generate Certificate** window is displayed:

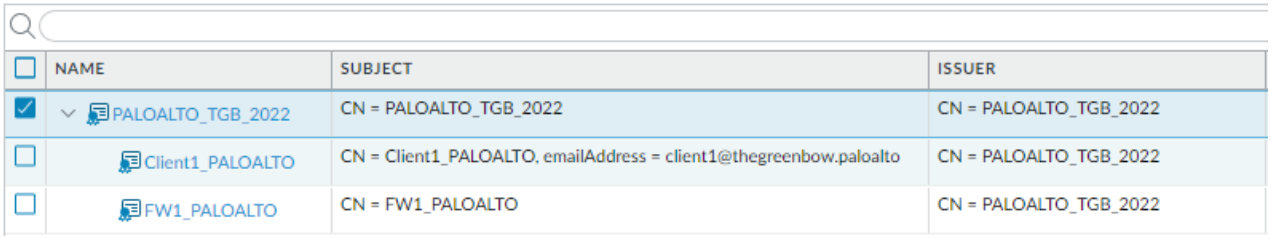


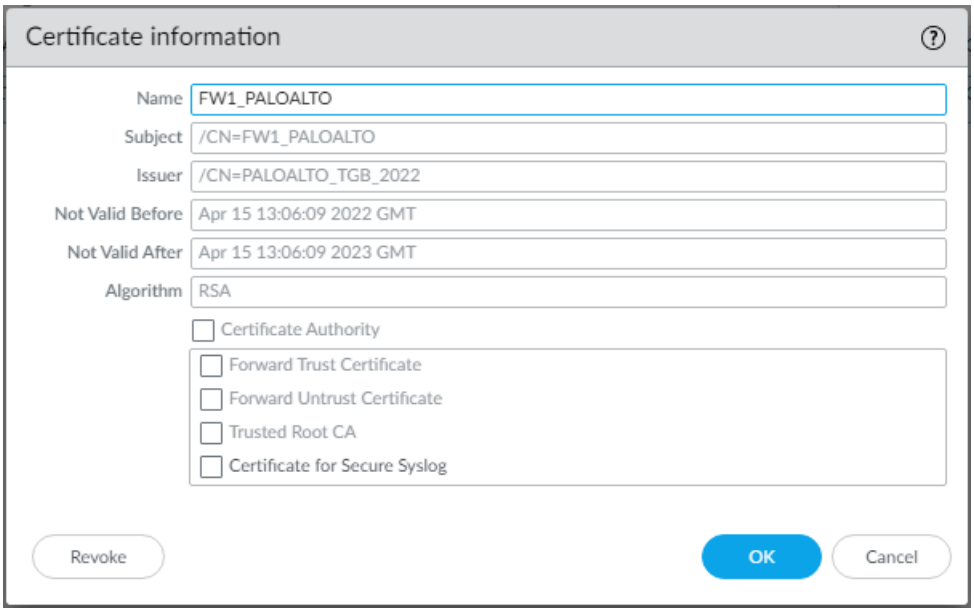
2. In the **Certificate Name** and **Common Name** fields, enter the value `FW1_PALOALTO`.
3. In the **Signed By** drop-down list, select the value **PALOALTO_TGB_2022**.
4. Fill in the **Cryptographic settings** with relevant values.
5. Click **Generate**. A confirmation prompt is displayed:



6. Click **OK**.

The summary should appear as follows:

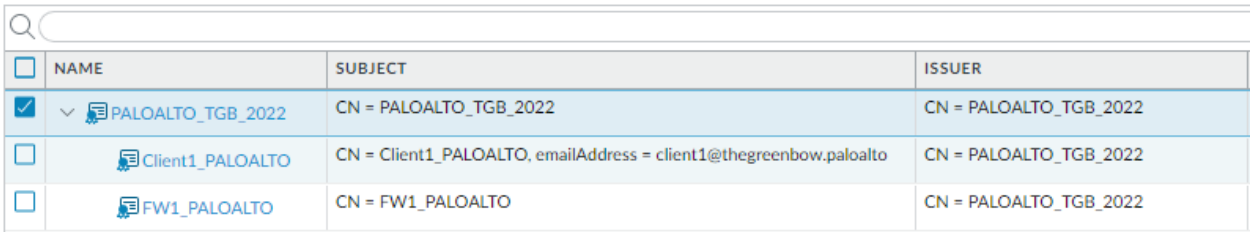




7. Click **OK**.

You should now see the following in the **Device Certificates** list:

- A Root Authority (e.g. **PALOALTO_TGB_2022**) containing the following two items:
  - A User Identity (e.g. **Client1_PALOALTO**)
  - A Server Identity (e.g. **FW1_PALOALTO**)

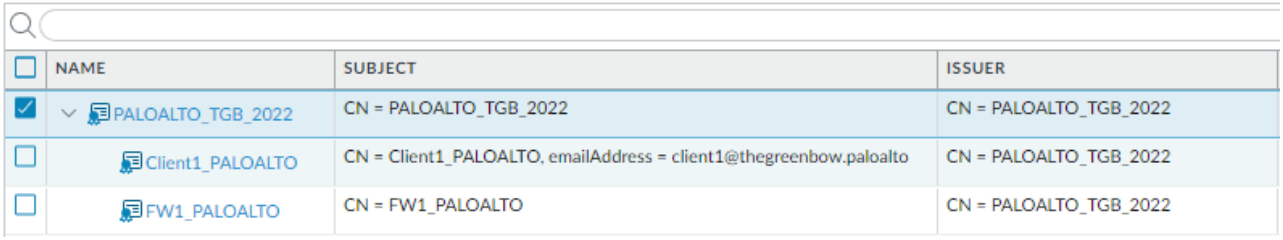


You have successfully created the required certificates. Proceed with exporting them, as described in the next section.

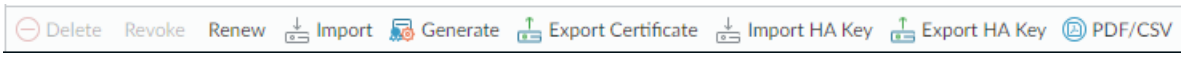
2.2.4 Exporting certificates

To export certificates, proceed as follows:

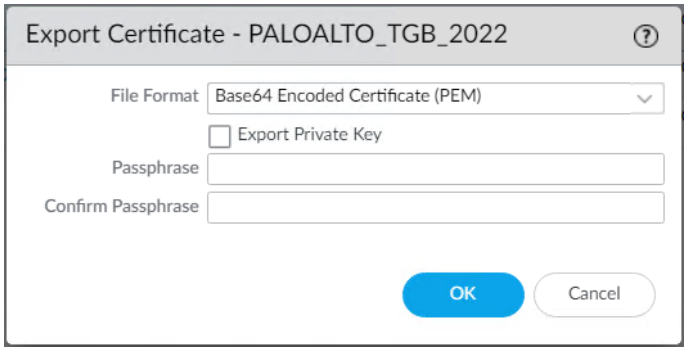
1. Start by downloading the Root Authority. To do so, check the box corresponding to the Root Authority you just created (e.g. **PALOALTO_TGB_2022**).



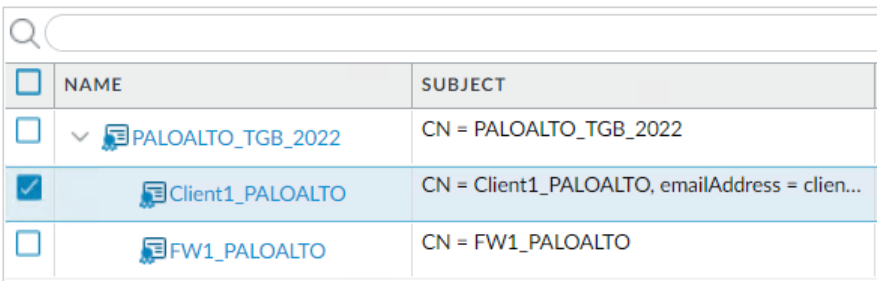
2. Click **Export Certificate** in the lower menu bar.



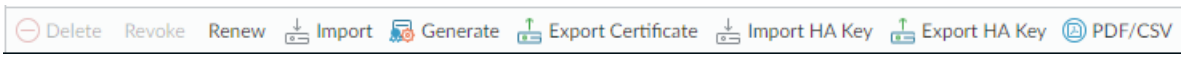
The **Export Certificate** dialog box is displayed:



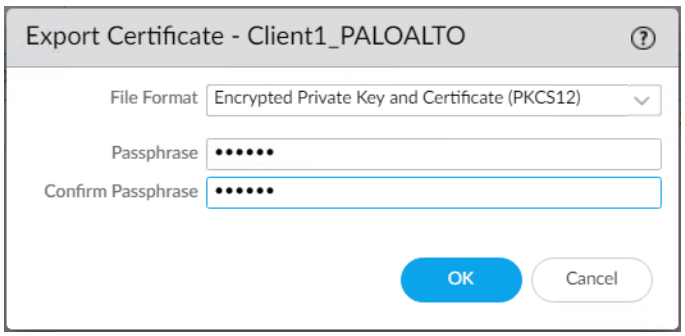
3. In the **File Format** drop-down list, select the extension **Binary Encoded Certificate (PEM)**.
4. Click **OK**.
5. Now, download the User Identity. To do so, check the box corresponding to the User Identity you just created (e.g. **Client1_PALOALTO**).



6. Click **Export Certificate** in the lower menu bar.



The **Export Certificate** dialog box is displayed:



7. In the **File Format** drop-down list, select the extension **Encrypted Private Key and Certificate (PKCS12)**.
8. Set and confirm a passphrase.
9. Click **OK**.

You will later need to import this P12 file into the VPN Client using the passphrase that you just set.

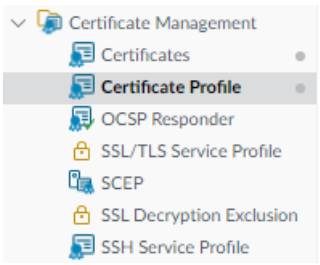
You have successfully exported the required certificates. Proceed with creating a certificate profile, as described in the next section.

2.3 Creating a Certificate Profile

To create the required certificate profile, follow the steps below:

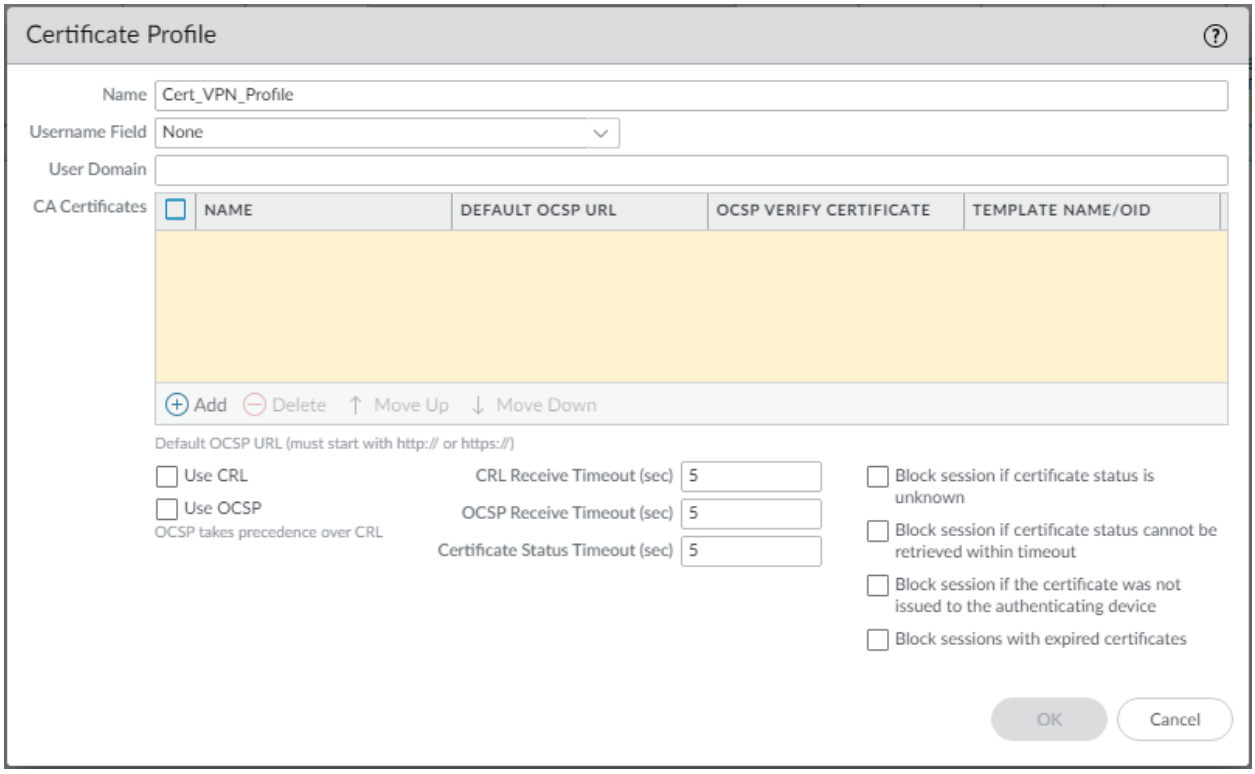
1. From the top menu, select **DEVICE**.

2. Then, choose **Certificate Management** > **Certificate Profile**.

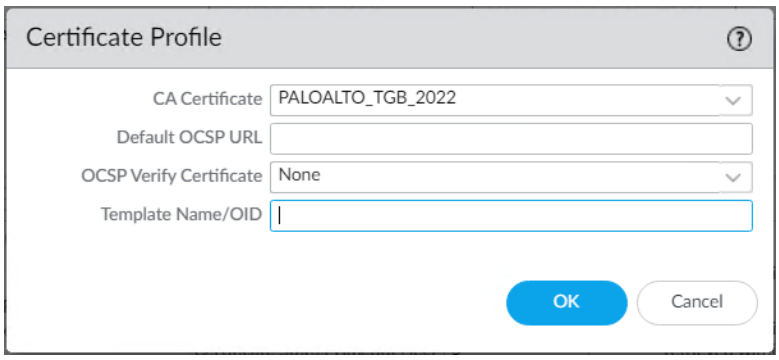


3. Click **Add** in the lower menu bar.

The **Certificate Profile** window is displayed:

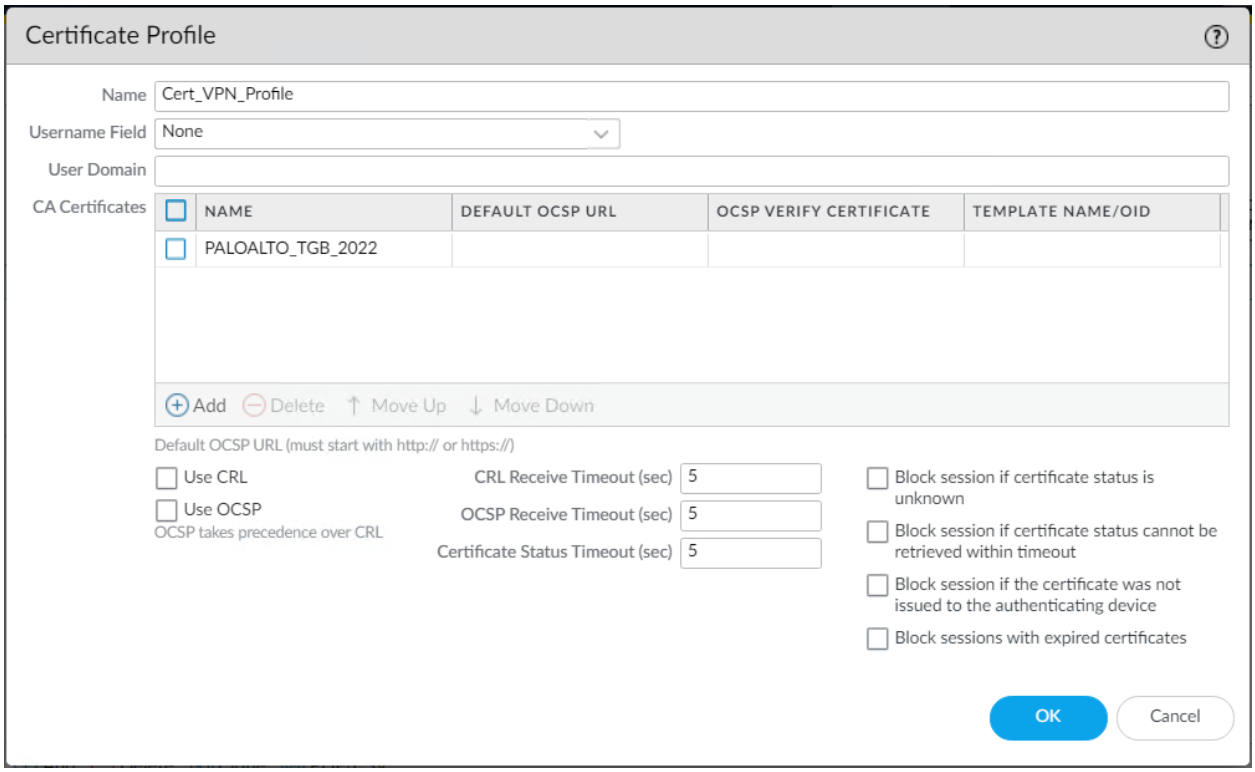


4. In the **Name** field, enter `Cert_VPN_profile`.
5. In the **CA Certificates** box, click **Add**. The **Certificate Profile** dialog box is displayed:



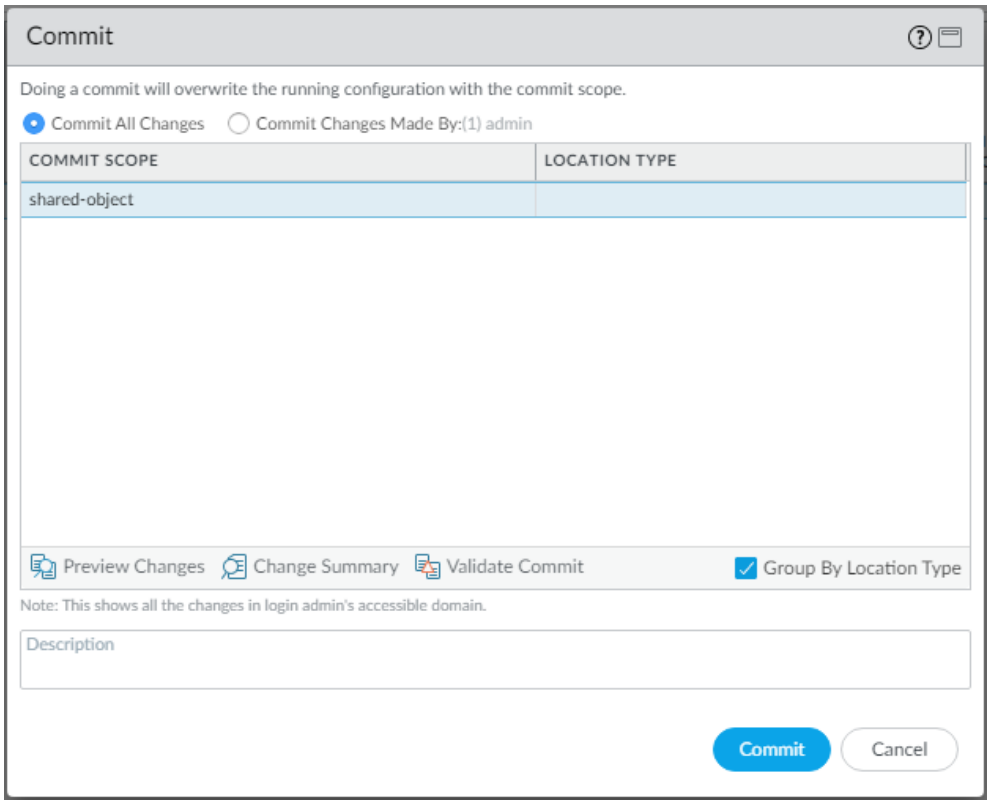
6. In the **CA Certificate** drop-down list, select **PALOALTO_TGB_2022**.
7. Click **OK**.

The CA Certificate has been added to the Certificate Profile:



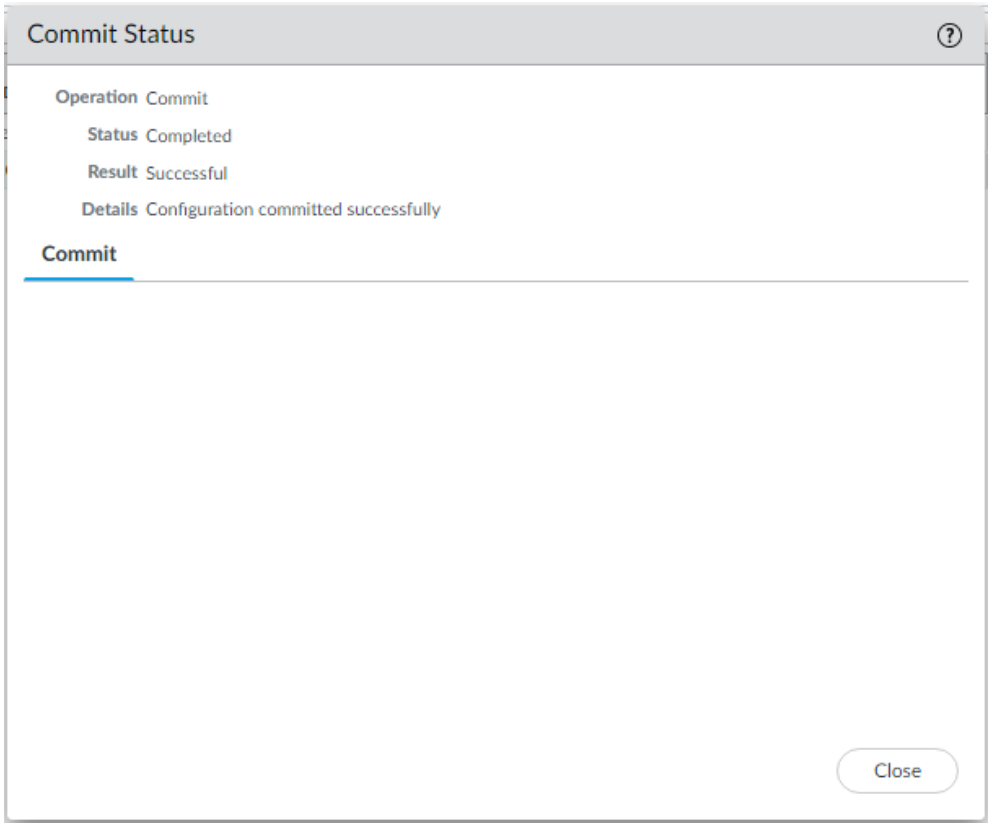
8. Click **OK**.
9. Click **Commit** at the top right to apply the configuration.

The **Commit** window is displayed:



10. Click **Commit** to apply your changes.

The **Commit Status** window is displayed:



11. Click **Close**.

You have successfully created a Certificate Profile. Proceed with generating VPN encryption profiles, as described in the next section.

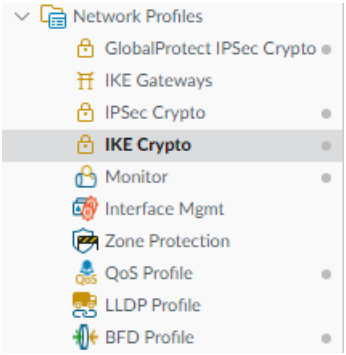
2.4 VPN encryption profiles

2.4.1 IKE profile

To generate the IKE VPN encryption profile, proceed as follows:

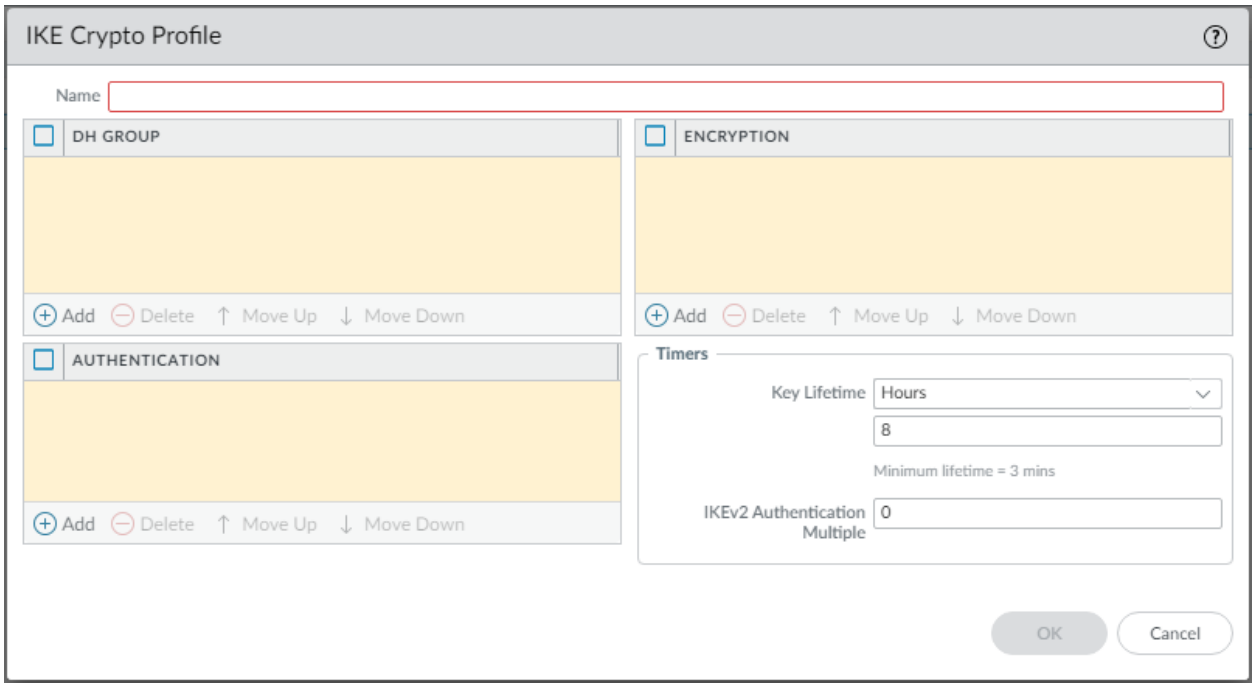
1. From the top menu, select **NETWORK**.

2. Then, choose **Network Profiles** > **IKE Crypto**.

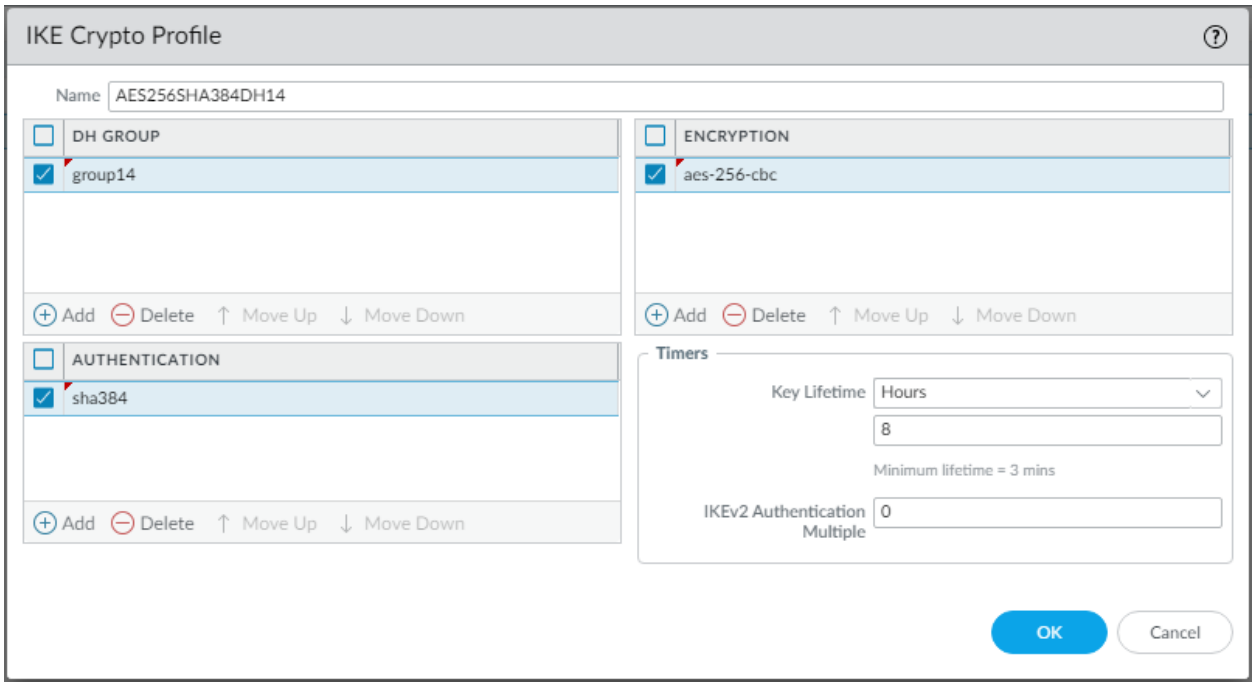


3. Click **Add** in the lower menu bar.

The **IKE Crypto Profile** window is displayed:



4. In the **Name** field, enter the value `AES256SHA384DH14`.
5. In the **DH GROUP** box, click **Add**, and then select the value **group14**.
6. In the **AUTHENTICATION** box, click **Add**, and the select the value **sha384**.
7. In the **ENCRYPTION** box, click **Add**, and the select the value **aes-256-cbc**.



8. Click **OK** to proceed with generating the IKE profile as described in the next section below.

   The summary should appear as follows:

NAME	ENCRYPTION	AUTHENTICATION	DH GROUP	KEY LIFETIME
default	aes-128-cbc, 3des	sha1	group2	8 hours
Suite-B-GCM-128	aes-128-cbc	sha256	group19	8 hours
Suite-B-GCM-256	aes-256-cbc	sha384	group20	8 hours
AES256SHA384DH14	aes-128-cbc, aes-256-cbc	sha384	group14	8 hours

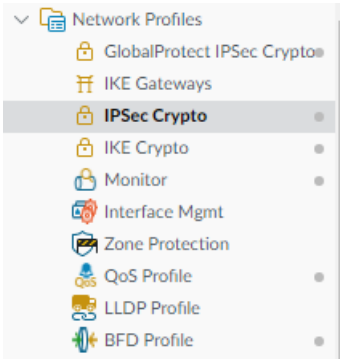
You have successfully generated an IKE VPN encryption profile. Proceed with generating a Child SA VPN encryption profile, as described in the next section.

2.4.2 VPN encryption profiles: Child SA profile

To generate the Child SA VPN encryption profile, proceed as follows:

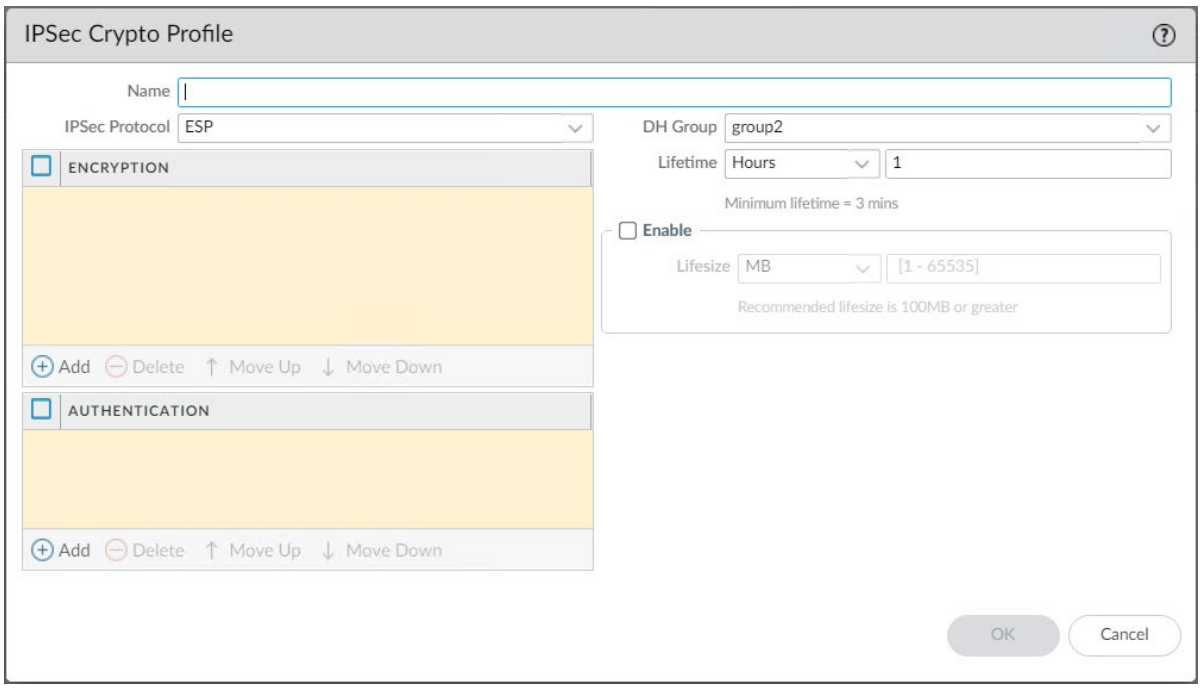
1. From the top menu, select **NETWORK**.

2. Then, choose **Network Profiles** > **IPSec Crypto**.

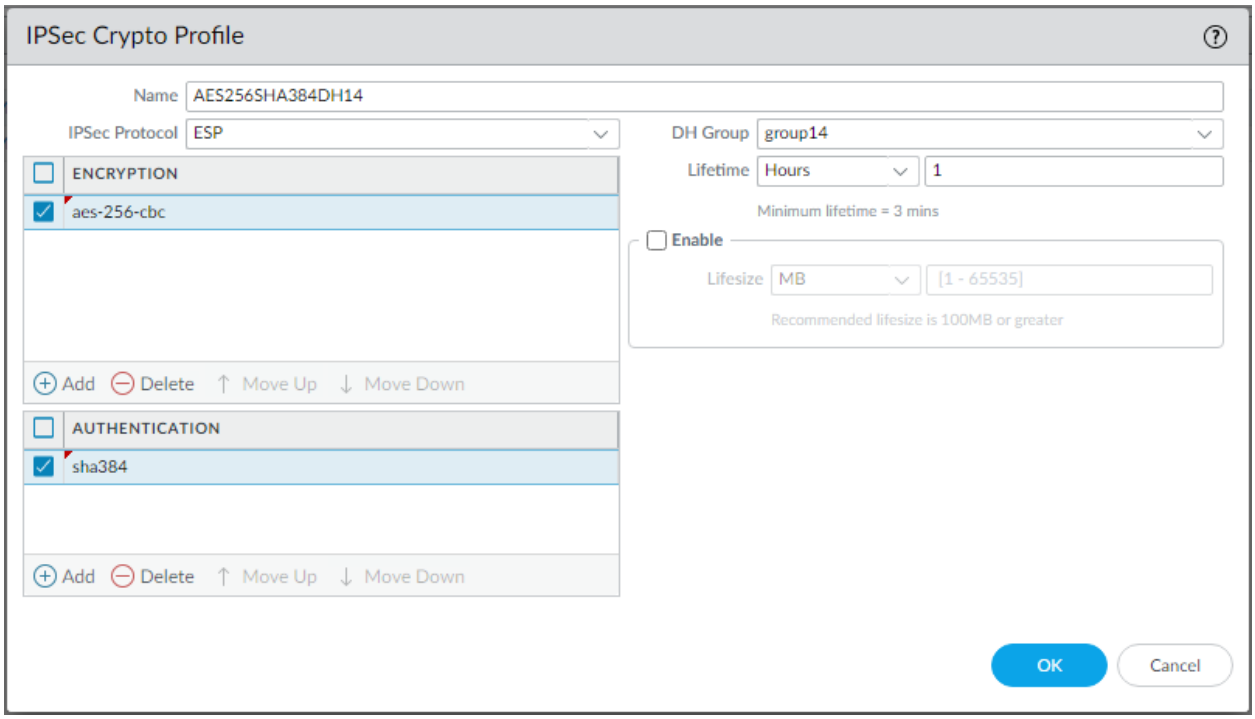


3. Click **Add** in the lower menu bar.

The **IPSec Crypto Profile** window is displayed:



4. In the **Name** field, enter the value `AES256SHA384DH14`.
5. In the **ENCRYPTION** box, click **Add**, and the select the value **aes-256-cbc**.
6. In the **AUTHENTICATION** box, click **Add**, and the select the value **sha384**.
7. In the **DH GROUP** box, click **Add**, and then select the value **group14**.



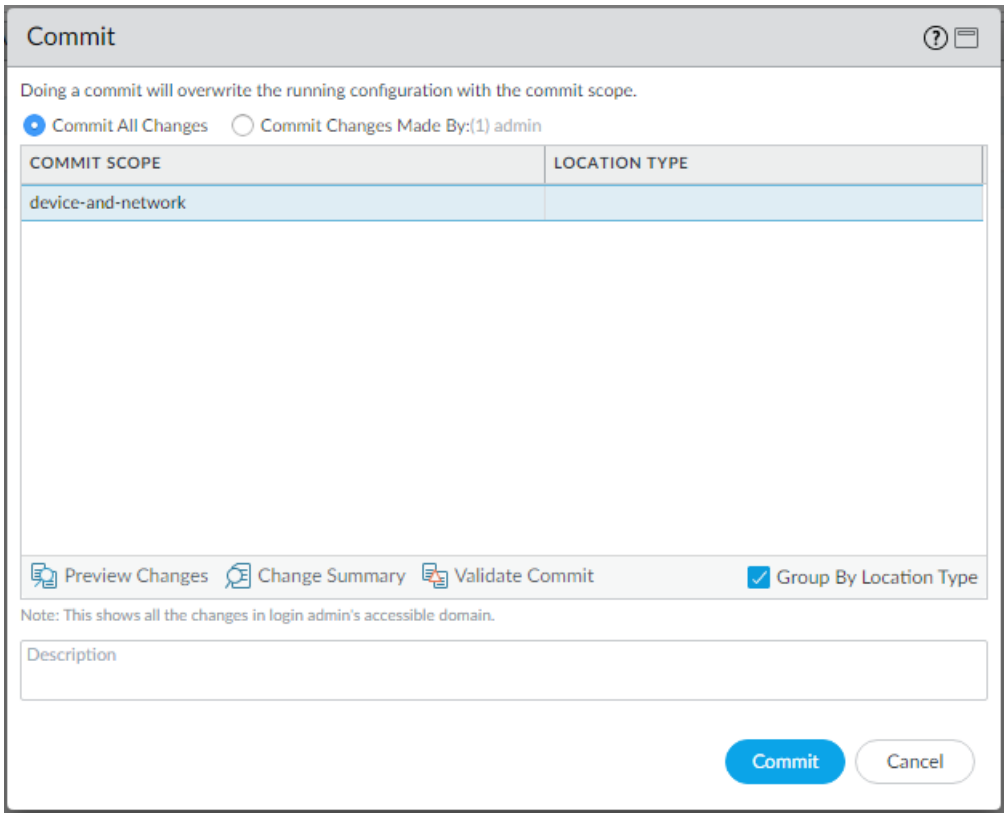
8. Click **OK** to proceed with generating the IKE profile as described in the next section below.

   The summary should appear as follows:

NAME	ENCRYPTION	AUTHENTICATION	DH GROUP	KEY LIFETIME
default	aes-128-cbc, 3des	sha1	group2	8 hours
Suite-B-GCM-128	aes-128-cbc	sha256	group19	8 hours
Suite-B-GCM-256	aes-256-cbc	sha384	group20	8 hours
AES256SHA384DH14	aes-128-cbc, aes-256-cbc	sha384	group14	8 hours

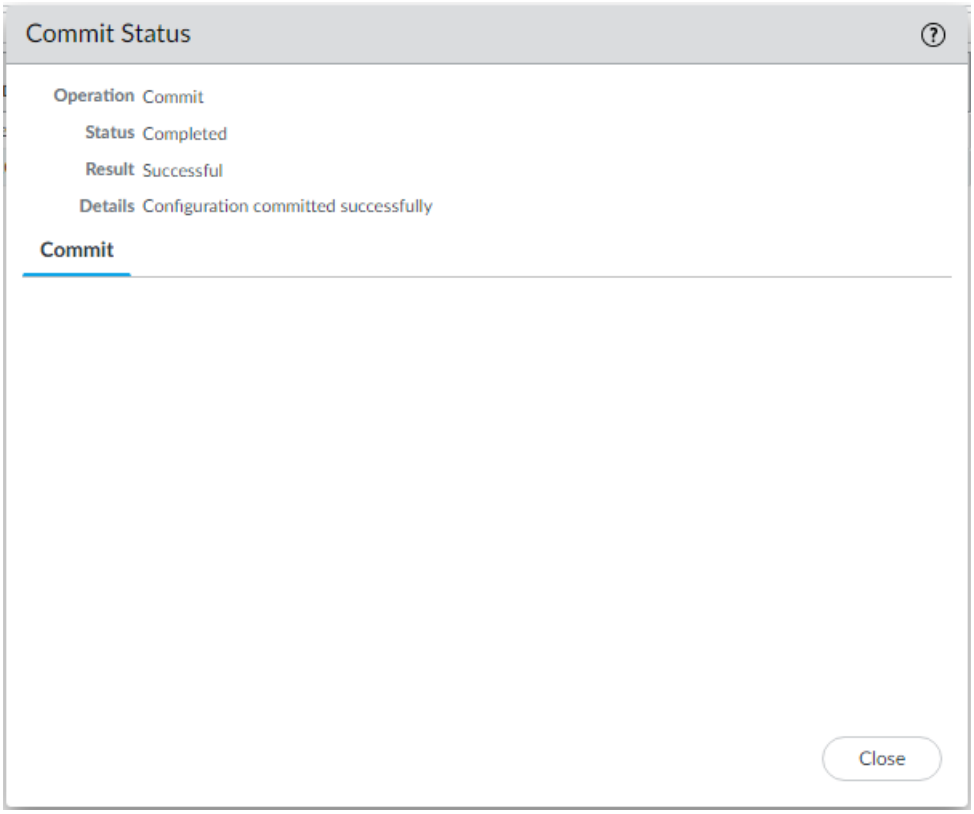
9. Click **Commit** to apply the configuration.

The **Commit** window is displayed:



10. Click **Commit** to apply your changes.

The **Commit Status** window is displayed:



11. Click **Close**.

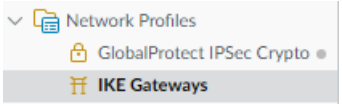
You have successfully generated a Child SA VPN encryption profile. Proceed with creating an IKE Auth for the VPN tunnel, as described in the next section.

2.5 VPN tunnel: IKE Gateways

To create an IKE Auth for the VPN tunnel, proceed as follows:

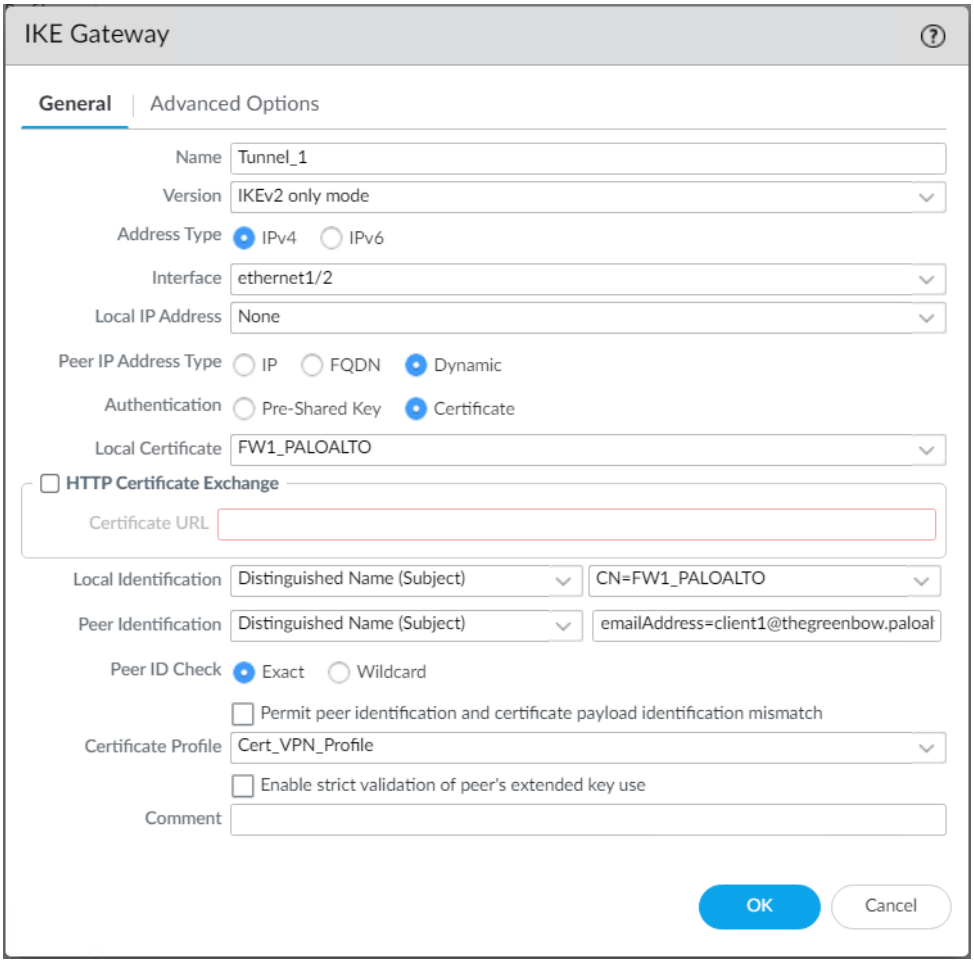
1. From the top menu, select **NETWORK**.

2. Then, choose **Network Profiles** > **IKE Gateways.**



3. Click **Add** in the lower menu bar.

The **IKE Gateway** window is displayed:

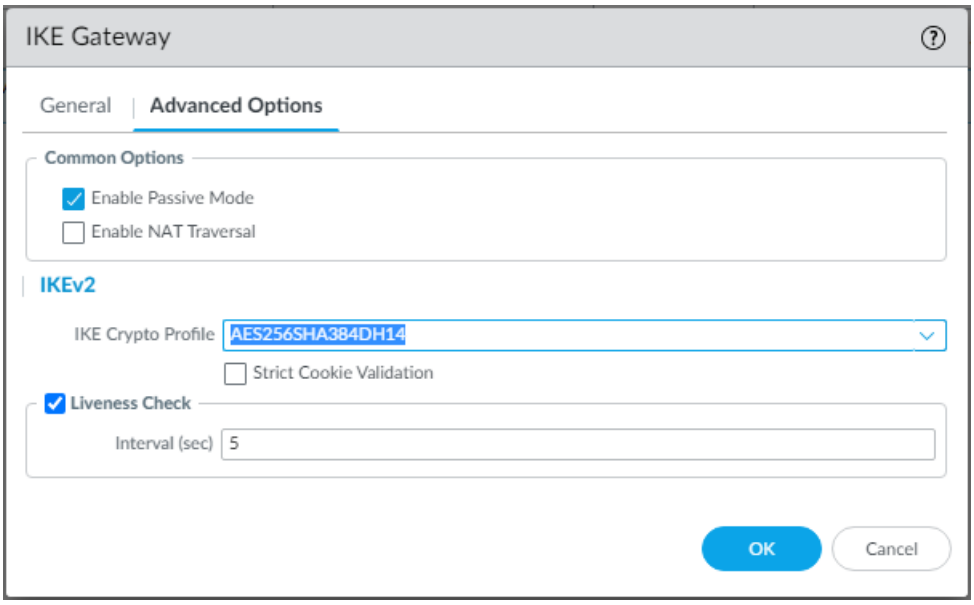


4. In the **Name** field enter `Tunnel_1`.
5. In the **Version** drop-down list, select **IKEv2 only mode**.
6. In the **Interface** drop-down list, select **ethernet1/2**.
7. Under **Peer IP Address Type**, select **Dynamic**.
8. Under **Authentication**, select **Certificate**.
9. In the **Local Certificate** drop-down list, select **FW1_PALOALTO** (Server Identity).
10. In the **Local Identification** drop-down list, select **Distinguished Name (Subject)**. The corresponding value **CN=FW1_PALOALTO** (subject of the certificate from Server Identity) should be selected automatically. Select it, if this is not the case.
11. In the **Peer Identification** drop-down list, select **Distinguished Name (Subject)** and the corresponding value **emailAddress=client1@thegreenbow.paloalto,CN=Client1_PALOALTO** (subject of the certificate from User Identity).

12. In the **Certificate Profile** drop-down list, select **Cert_VPN_Profile**.

    The window should now appear as in the above screenshot.

13. Click the Advanced Options tab.



14. In the IKE Crypto Profile drop-down list, select **AES256SHA384DH14**.
15. Click **OK**.

    You have successfully added the IKE Gateway named Tunnel_1.

	NAME	PEER ADDRESS	Local Address		Peer ID		Local ID		VERSION
			INTERFACE	IP	ID	TYPE	ID	TYPE	
☑	Tunnel_1		ethernet1/2		emailAddress=cli...	Distinguished Name (Subject)	CN=FW1_PALT...	Distinguished Name (Subject)	ikev2

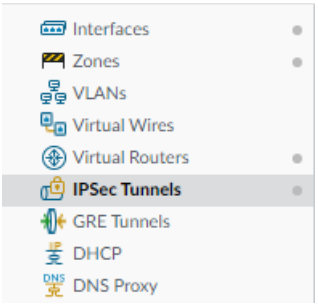
You have successfully created an IKE Auth for the VPN tunnel. Proceed with creating an IPsec tunnel for the VPN tunnel, as described in the next section.

2.6 VPN tunnel: IPsec Tunnels

To create an IPsec tunnel for the VPN tunnel (corresponds to a Child SA in the Windows Enterprise VPN Client), proceed as follows:

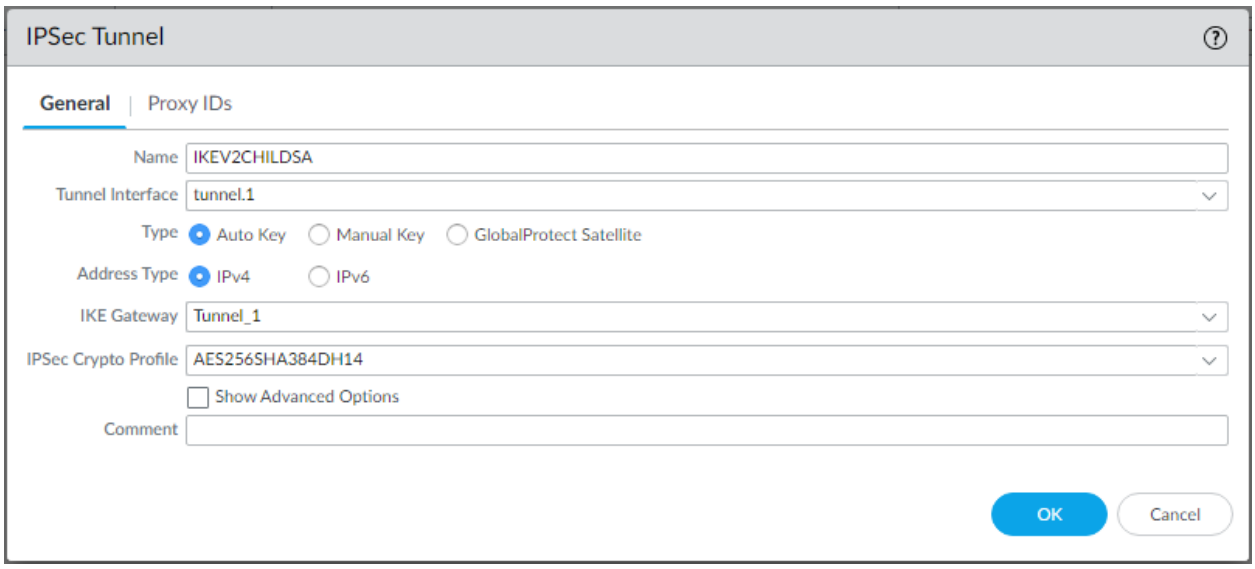
1. From the top menu, select **NETWORK**.

2. Then, choose **Network Profiles** > **IPSec Tunnels**.



3. Click **Add** in the lower menu bar.

The **IPSec Tunnel** window is displayed:

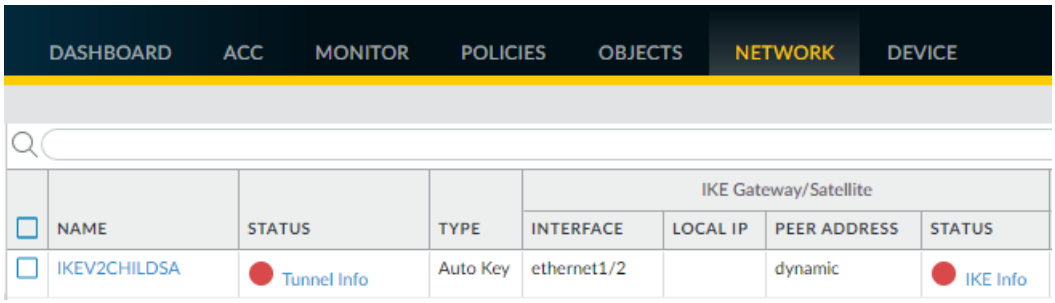


4. In the **Name** field enter `IKEV2CHILDSA`.
5. In the **Tunnel Interface** drop-down list, select **tunnel.1**.
6. Under **Type**, select **Auto Key**.
7. Under **Address Type**, select **IPv4**.
8. In the **IKE Gateway** drop-down list, select **Tunnel_1**.
9. In the **IPSec Crypto Profile** drop-down list, select **AES256SHA384DH14**.

   The window should now appear as in the above screenshot.

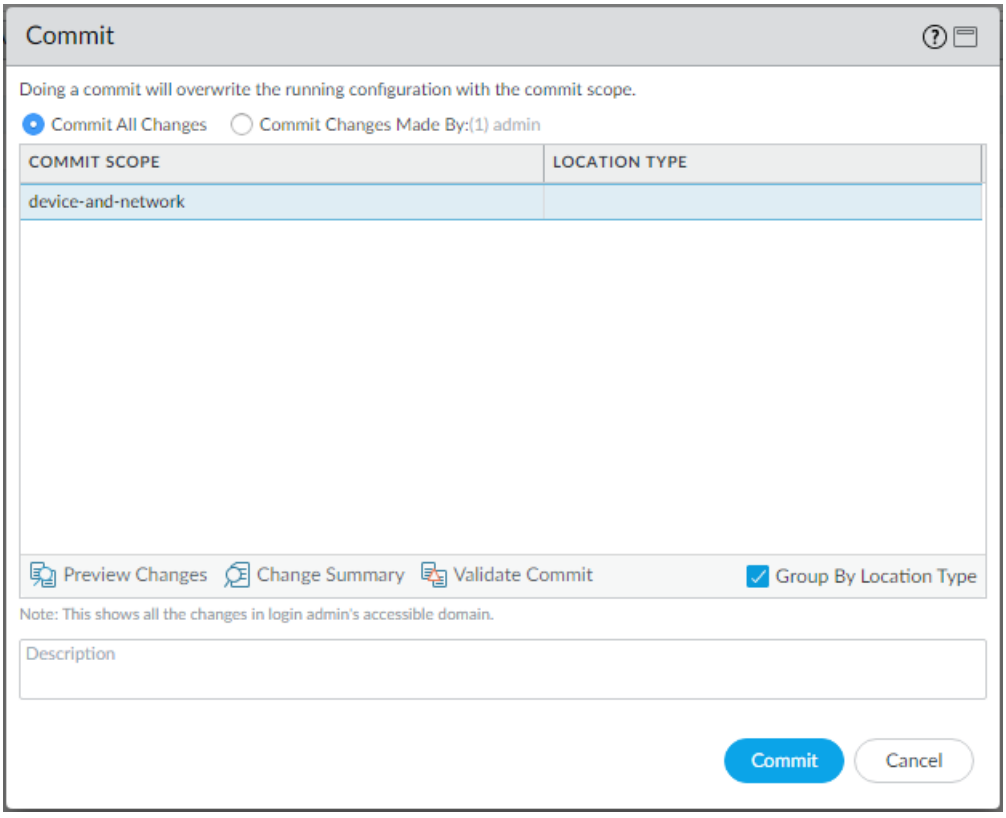
10. Click **OK**.

    You have successfully added the IPSec Tunnel named IKEV2CHILDSA.



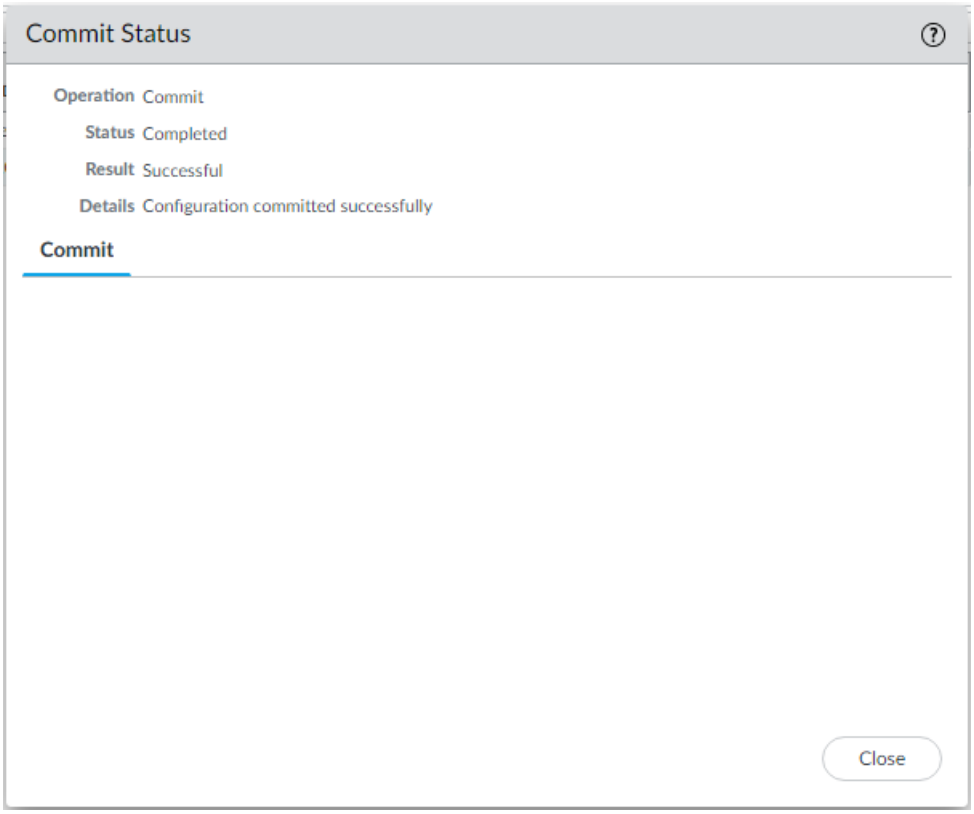
11. Click **Commit** at the top right to apply the configuration.

The **Commit** window is displayed:



12. Click **Commit** to apply your changes.

The **Commit Status** window is displayed:



13. Click **Close**.

You have successfully created an IPsec tunnel for the VPN tunnel. To complete the configuration of your Palo Alto firewall, you may want to define filtering rules, as described in the next section.

2.7 Filtering rules

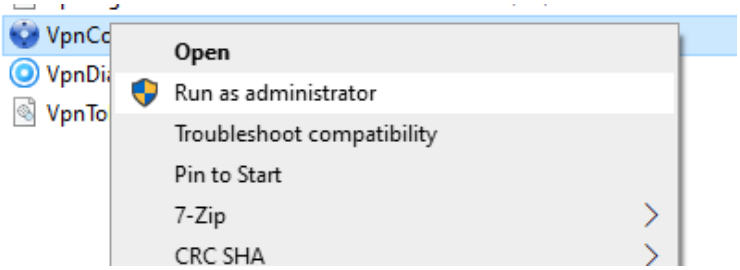
Where appropriate, integrate the filtering rules to allow IPsec traffic through the configured Palo Alto network interfaces (refer to Palo Alto documentation).

3 Configuring TheGreenBow VPN Client

This section describes how to configure TheGreenBow's Windows Enterprise VPN Client so that you may connect it to a Palo Alto firewall set up according to the instructions in the previous chapter.

3.1 Launching the VPN Client

By default, only administrators can access the Windows Enterprise VPN Client's **Configuration Panel**. Therefore, right-click **vpnconf.exe** in the **File Explorer** and select **Run as administrator**.



3.2 Creating a new IKE Auth

Configure the Windows Enterprise VPN Client as described below.

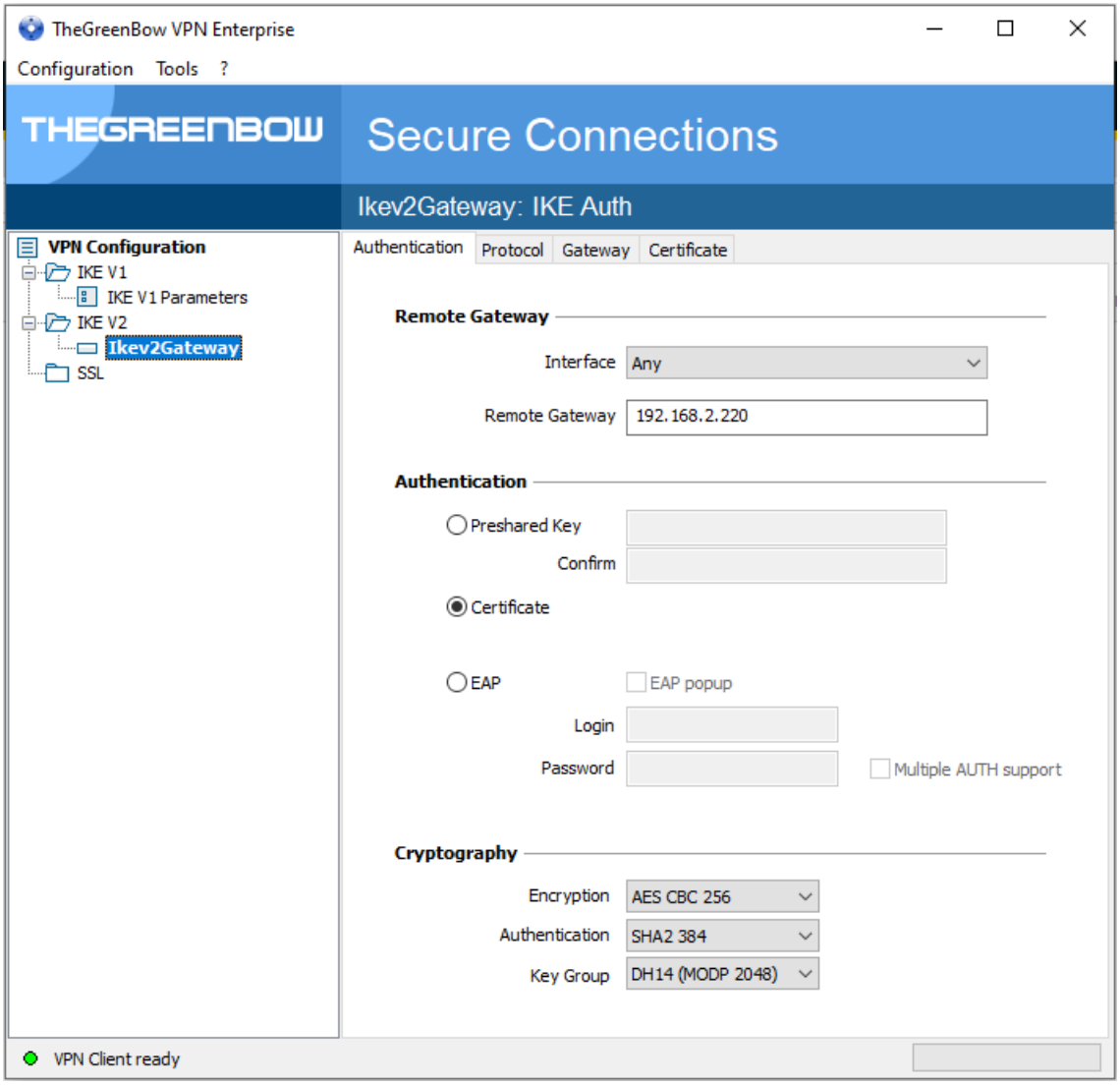
Start by creating a new IKEv2 IKE Auth. To do so, right-click the IKE v2 branch of the VPN configuration tree and select **New IKE Auth**.

3.2.1 Authentication tab

Select the **Authentication** tab and enter the following parameters:

- Interface: Any
- Remote Gateway: the IP address of the Palo Alto firewall in your network
- Authentication: certificate
- Cryptography:
  - Encryption: AES GCM 256
  - Authentication: SHA2 384
  - Key Group: DH14

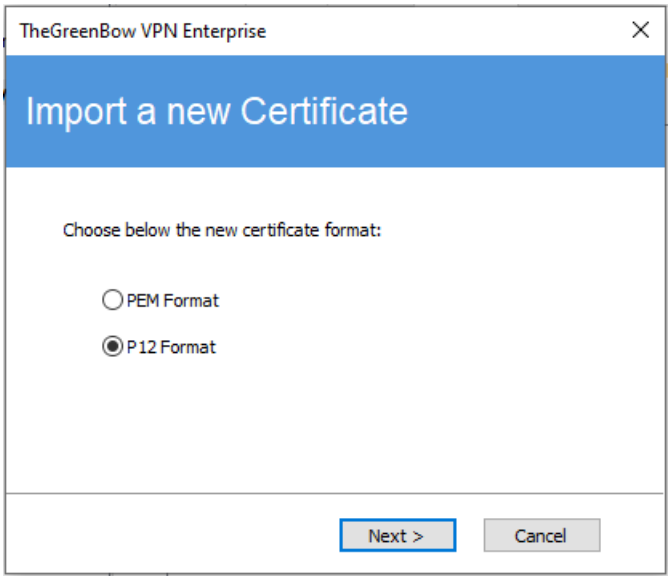
You should now see the following screen:



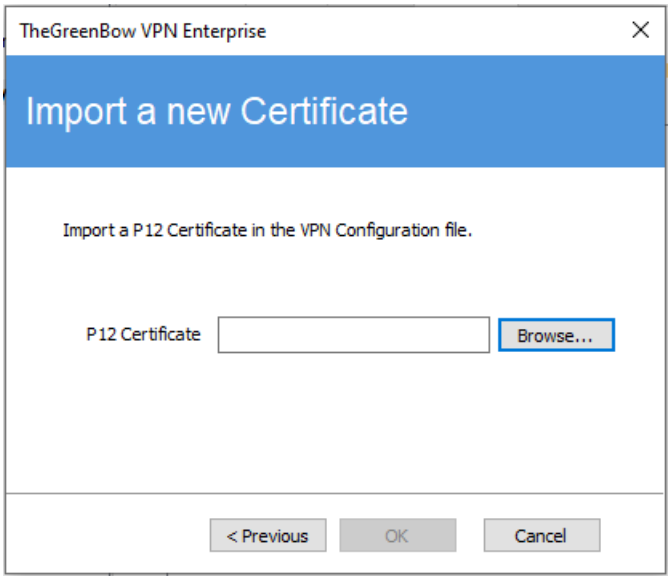
3.2.2 Certificate tab

To import the user certificate, proceed as follows:

1. Select the **Certificate** tab.
2. Click **Import Certificate...**

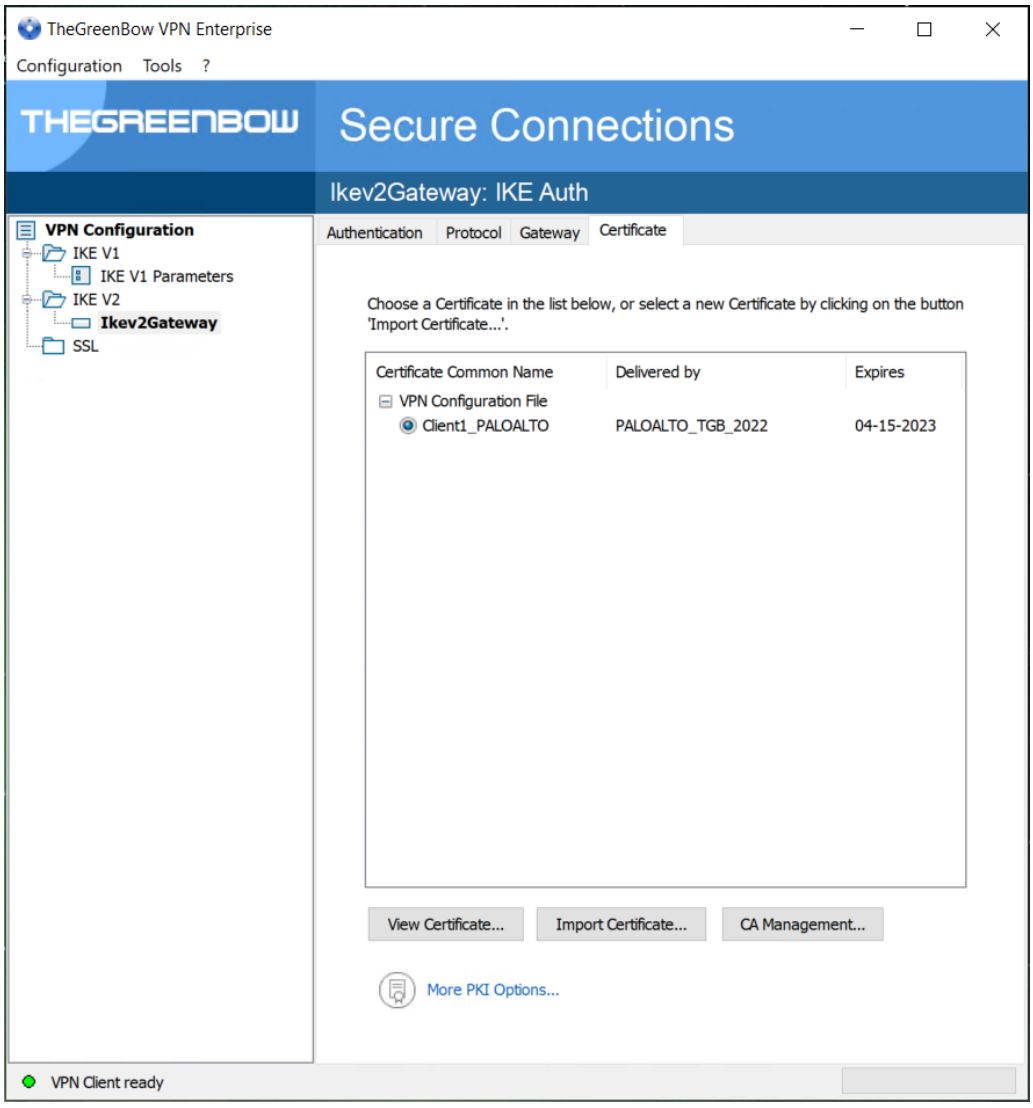


3. Select **P12 Format**.
4. Click **Next >**.

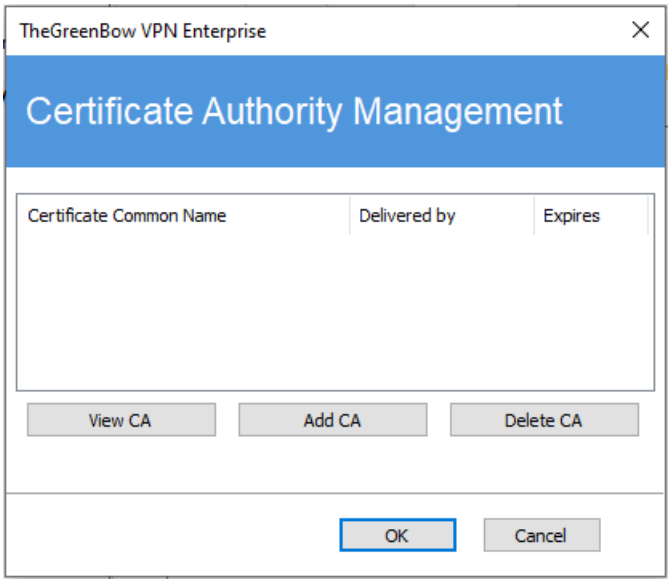


5. Click **Browse...**
6. Select the User Identity that you have previously downloaded from the Palo Alto firewall (e.g. **cert_Client1_PALOALTO.p12**).
7. Enter the password when prompted.
8. Click **OK**.

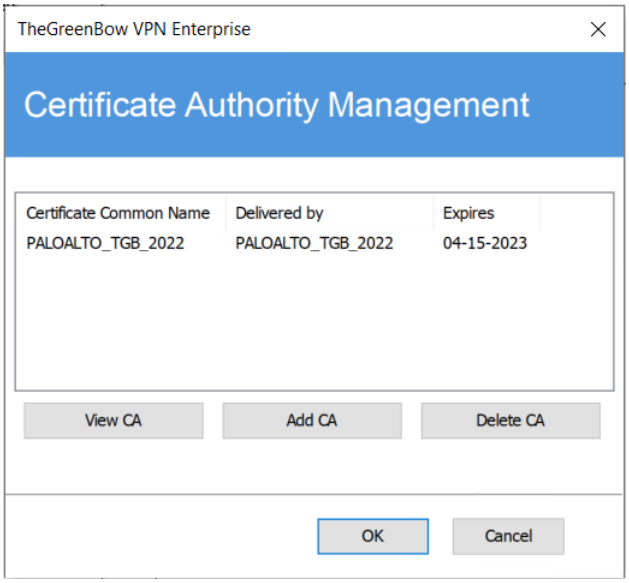
You should now see the following screen:



9. Click **CA Management**



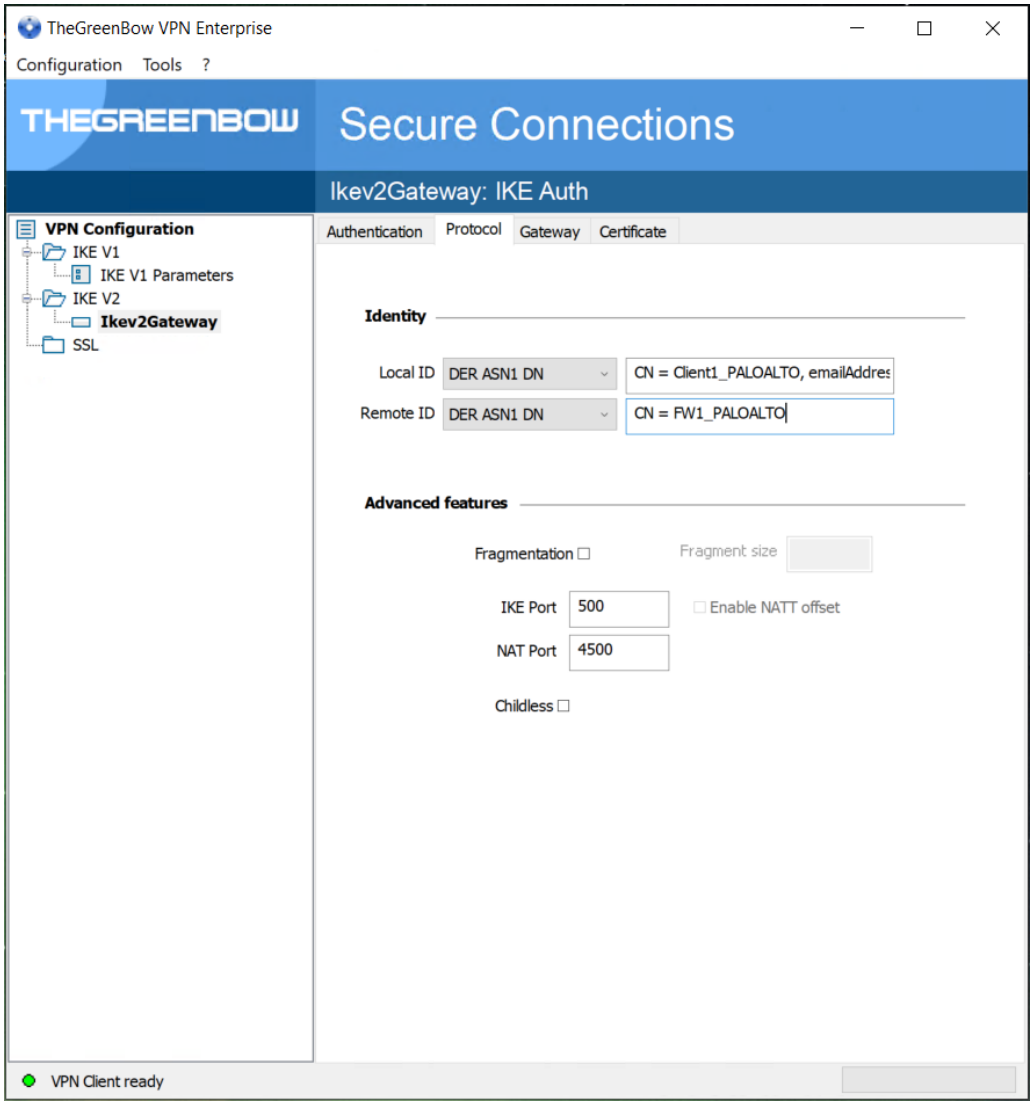
10. Click **Add CA**
11. Select **DER format**.
12. Click **Next >**.
13. Click **Browse...**
14. Select the Certificate Authority that you have previously downloaded from the Palo Alto firewall (e.g. **cert_PALOALTO_TGB_2022.der**).
15. Click **OK**.



16. Click **OK**.

3.2.3 Protocol tab

Set the following additional parameters in the **Protocol** tab:



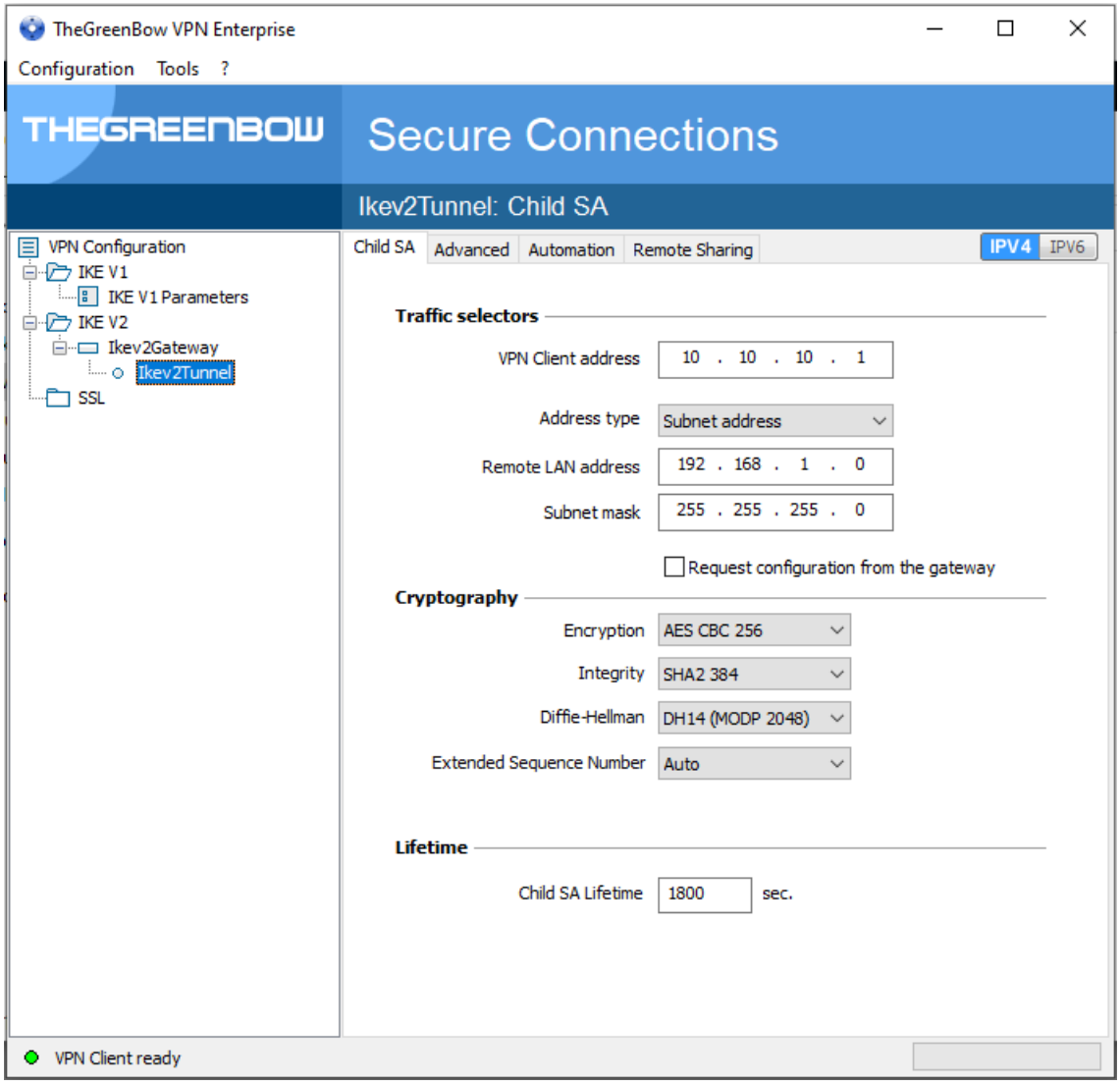
The **Local ID** `DER ASN1 DN` will be automatically updated with the subject from the imported certificate (see below).

The **Remote ID** must be of type `DER ASN1 DN` and contain the same value as the **Local ID** field on the Palo Alto firewall:

```
CN = FW1_PALOALTO
```

3.3 Creating a new Child SA

To configure the Windows Enterprise VPN Client for a Child SA, proceed as shown in the following screenshot:



1. Uncheck the **Request configuration from the gateway** box and configure the **Traffic selectors**.
2. Under **Cryptography**, select the following values:
   - Encryption: AES GCM 256
   - Authentication: SHA2 384
   - Key Group: DH14
   - Extended Sequence Number: Auto

3.4 Saving the configuration

In the Windows Enterprise VPN Client, from the **Configuration** menu, select **Save** to account for all the changes you have made to your VPN configuration.

3.5 Opening the VPN connection

Once both the Palo Alto firewall and TheGreenBow Windows Enterprise VPN Client have been configured as described above, you are ready to open VPN connections.

Double-click your Child SA tunnel name or click **Open** in the **Connection Panel** to open a tunnel.

A green icon appears next to the Child SA when the connection is established successfully.

4 Troubleshooting

4.1 VPN Client

If the VPN connection cannot be established, check the Console log in TheGreenBow's VPN Client to determine whether any of the messages displayed match one of the messages described in the following sections.

4.1.1 NO_PROPOSAL_CHOSEN

If you encounter a `NO_PROPOSAL_CHOSEN` error, you might have incorrectly configured the Phase 1 [IKE Auth]. Make sure the encryption algorithms are the same at both ends of the VPN connection.

```
20XX0913 16:08:53:387 TIKEV2_Tunnel SEND IKE_SA_INIT
[HDR][SA][NONCE][N(NAT_DETECTION_SOURCE_IP)][N(NAT_DETECTION_DESTINATION_IP)]
[KE][VID][N(FRAGMENTATION_SUPPORTED)]
20XX0913 16:08:53:419 TIKEV2_Tunnel RECV IKE_SA_INIT
[HDR][N(NO_PROPOSAL_CHOSEN)]
```

4.1.2 AUTHENTICATION_FAILED

If you encounter an `AUTHENTICATION_FAILED` error, this means that the certificate sent by the VPN Client does not match what the firewall is expecting. Make sure the VPN Client's user certificate is correctly configured on the firewall.

```
20XX0913 16:15:22:032 TIKEV2_Tunnel RECV IKE_AUTH
[HDR][N(AUTHENTICATION_FAILED)]
20XX0913 16:15:22:032 TIKEV2_Tunnel Remote endpoint sends error
AUTHENTICATION_FAILED
```

4.1.3 No user certificate available for the connection

Make sure the user certificate has been correctly imported to the VPN Client.

```
20XX0913 16:18:07:491 TIKEV2_Tunnel RECV IKE_SA_INIT
[HDR][SA][KE][NONCE][N(NAT_DETECTION_SOURCE_IP)][N(NAT_DETECTION_DESTINATION_
IP)][CERTREQ][N(FRAGMENTATION_SUPPORTED)][N(MULTIPLE_AUTH_SUPPORTED)]
20XX0913 16:18:07:491 TIKEV2_Tunnel IKE SA I-SPI 8D4467C52C91C316 R-SPI
9DF0F0E4A91F8867
20XX0913 16:18:07:491 TIKEV2_Tunnel No user certificate available for the
connexion
20XX0913 16:18:07:491 TIKEV2_Tunnel Connection aborted.
```

4.1.4 Remote IDr rejected

The `Remote ID` type or value sent by the firewall does not match what the VPN Client is expecting (see **Protocol** tab). Configure the Remote ID type and value in the VPN Client according to the firewall's **Local ID**.

```
20180913 16:24:32:087 TIKEV2_Tunnel ID types do not match. Expecting
ID_RFC822_ADDR. Receiving ID_DER_ASN1_DN
20180913 16:24:32:087 TIKEV2_Tunnel Remote IDr rejected
```

4.1.5 FAILED_CP_REQUIRED

If you encounter a `FAILED_CP_REQUIRED` error, it means that the firewall is configured to use CP (Configuration Payload) mode, but not the VPN Client. In the Windows Enterprise VPN Client, go to **Traffic selectors** and enable **Request configuration from the gateway**.

```
20XX0913 16:29:46:780 TIKEV2_Tunnel RECV IKE_AUTH
[HDR][IDr][CERT][AUTH][N(AUTH_LIFETIME)][N(FAILED_CP_REQUIRED)][N(TS_UNACCEPT
ABLE)]
20180913 16:29:46:780 TIKEV2_Tunnel Remote endpoint sends error
FAILED_CP_REQUIRED
20XX0913 16:29:46:780 TIKEV2_Tunnel Remote endpoint is expecting a
configuration request from the client
```

5 Contact

5.1 Information

All the information on TheGreenBow products is available on our website: https://thegreenbow.com/.

5.2 Sales

Phone: +33.1.43.12.39.30

E-mail: sales@thegreenbow.com

5.3 Support

There are several pages related to the software's technical support on our website:

Online help

https://www.thegreenbow.com/en/support/online-support/

FAQ

https://www.thegreenbow.com/en/frequently-asked-questions/

Contact form

Technical support can be reached using the form on our website at the following address: https://www.thegreenbow.com/en/support/online-support/technical-support/.

Protect your connections in any situation

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