

VPN Certificate Management on the CVR100W VPN Router

Objective

Certificate management is a protocol which allows the user to obtain digital certificates that are used to create a secure VPN connection. To keep the VPN more secure, Certificate Management offers to [Generate a New Certificate](#) and [Import a Certificate](#). Also, it allows options to [Export for Administrator](#) or [Export for Client](#) giving the user more control over who the access of the device is given to. These certificates are issued by an organization called a Certificate Authority (CA). This article explains about certificate management on the CVR100W VPN Router.

Note: To obtain a certificate the user should be enrolled with a Certificate Authority (CA) over the network or create a file request to the CA for enrollment.

Applicable Device

- CVR100W

Software Version

- 1.0.1.19

Certificate Management

Generate a New Certificate

Step 1. Log in to the web configuration utility and choose **VPN > Certificate Management**. The *Certificate Management* page opens:

Certificate Management

Import or Generate Certificate

Certificate Last Generated or Imported: 01/01/10 12:02 AM

Generate a New Certificate

Import Certificate From a File

Certificate Filename:

Step 2. Click the **Generate a New Certificate** radio button to generate a new certificate. This replaces the old certificate with the new one.

Step 3. Click **Generate Certificate**.

Import Certificate From a File

Step 1. Log in to the web configuration utility and choose **VPN > Certificate Management**. The *Certificate Management* page opens:

Certificate Management

Import or Generate Certificate

Certificate Last Generated or Imported: 01/01/10 12:07 AM

Generate a New Certificate

Import Certificate From a File

Certificate Filename:

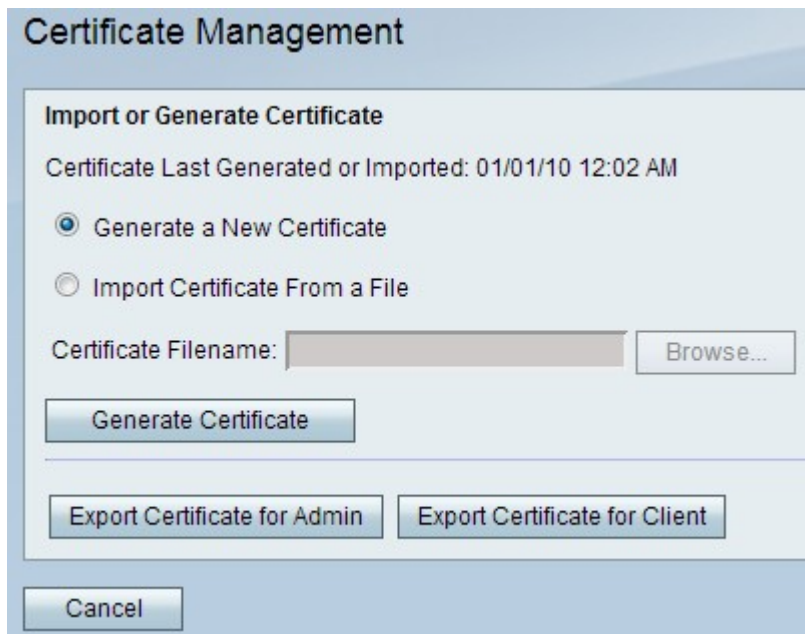
Step 2. Click **Import Certificate From a File** to choose a previously stored certificate.

Step 3. Click **Browse** to choose the desired certificate file.

Step 4. Click **Install Certificate**.

Export for Administrator

Step 1. Log in to the web configuration utility and choose **VPN > Certificate Management**. The *Certificate Management* page opens:

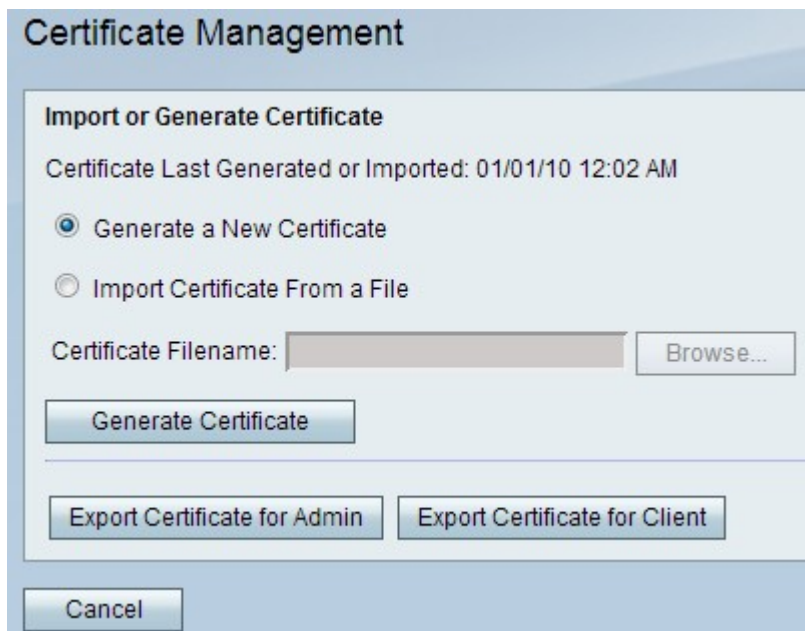


The screenshot shows the 'Certificate Management' page. At the top, it says 'Certificate Management'. Below that, there's a section titled 'Import or Generate Certificate'. It displays 'Certificate Last Generated or Imported: 01/01/10 12:02 AM'. There are two radio buttons: 'Generate a New Certificate' (which is selected) and 'Import Certificate From a File'. Below the radio buttons is a text input field for 'Certificate Filename:' followed by a 'Browse...' button. Underneath is a 'Generate Certificate' button. At the bottom of the main content area are two buttons: 'Export Certificate for Admin' and 'Export Certificate for Client'. At the very bottom of the page is a 'Cancel' button.

Step 2. Click **Export Certificate for Admin** to export the new certificate to the administrator and save it as a backup for future use. The file contains the private key and it should be stored in a secure location on the computer.

Export for Client

Step 1. Log in to the web configuration utility and choose **VPN > Certificate Management**. The *Certificate Management* page opens:



This screenshot is identical to the one above, showing the 'Certificate Management' page. The 'Generate a New Certificate' radio button is selected. The 'Export Certificate for Client' button is highlighted with a blue border, indicating it is the focus of the current step.

Step 2. Click **Export Certificate for Client** to export the new certificate to the client so it can be used by the Quick VPN users. You are then asked to save it on your PC.