

VPN Certificate Management on RV215W

Objective

Certificate management is a protocol which allows the user to obtain digital certificates that are used to create a secure VPN connection. These certificates are issued by an organization called Certificate Authority (CA).

This article explains about certificate management on the RV215W.

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 Devices

- RV215W

Software Version

- 1.1.0.5

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:



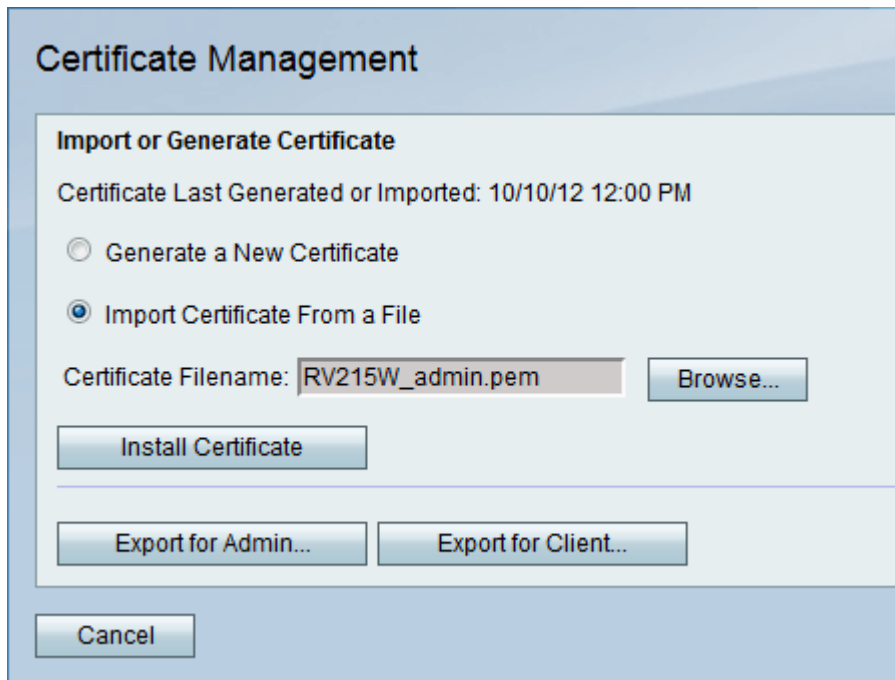
The screenshot shows the 'Certificate Management' web interface. At the top, the title 'Certificate Management' is displayed. Below the title, there is a section titled 'Import or Generate Certificate'. Under this section, the text 'Certificate Last Generated or Imported: 10/10/12 12:00 PM' is shown. There are two radio buttons: 'Generate a New Certificate' (which is selected) and 'Import Certificate From a File'. Below the radio buttons, there is a text input field for 'Certificate Filename:' followed by a 'Browse...' button. At the bottom of the main content area, there is a 'Generate Certificate' button. Below this, there are two buttons: 'Export for Admin...' and 'Export for Client...'. At the very bottom of the interface, there is a 'Cancel' button.

Step 2. Click the **Generate a New Certificate** radio button to generate a new certificate. It 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:



The screenshot shows the 'Certificate Management' interface. 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: 10/10/12 12:00 PM'. There are two radio buttons: 'Generate a New Certificate' (unselected) and 'Import Certificate From a File' (selected). Below the radio buttons, there's a text input field for 'Certificate Filename:' containing 'RV215W_admin.pem' and a 'Browse...' button. At the bottom of this section is an 'Install Certificate' button. Below that are two buttons: 'Export for Admin...' and 'Export for Client...'. At the very bottom is a 'Cancel' button.

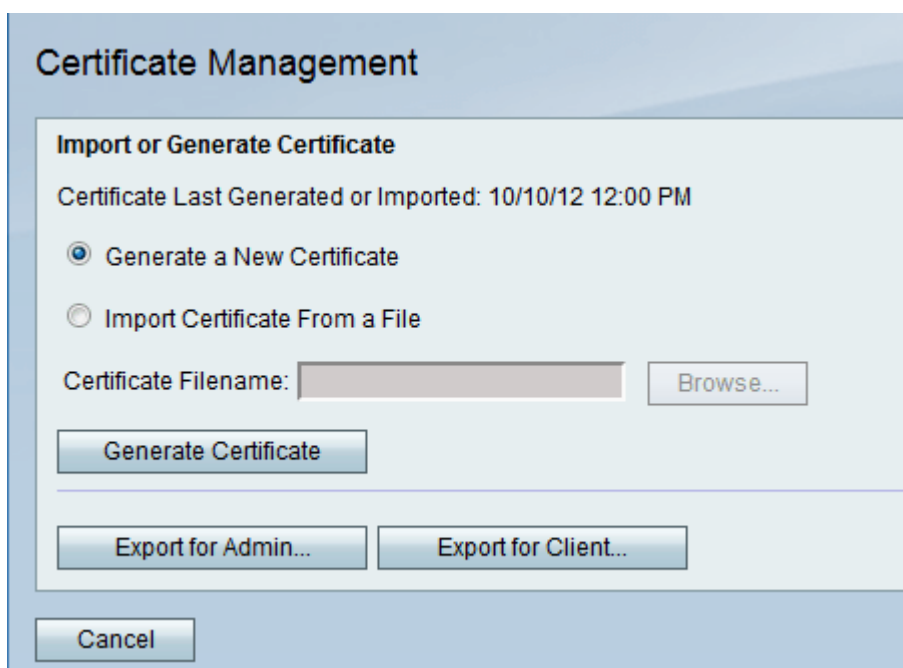
Step 2. Click **Import Certificate From a File** to choose a previously stored certificate.

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:



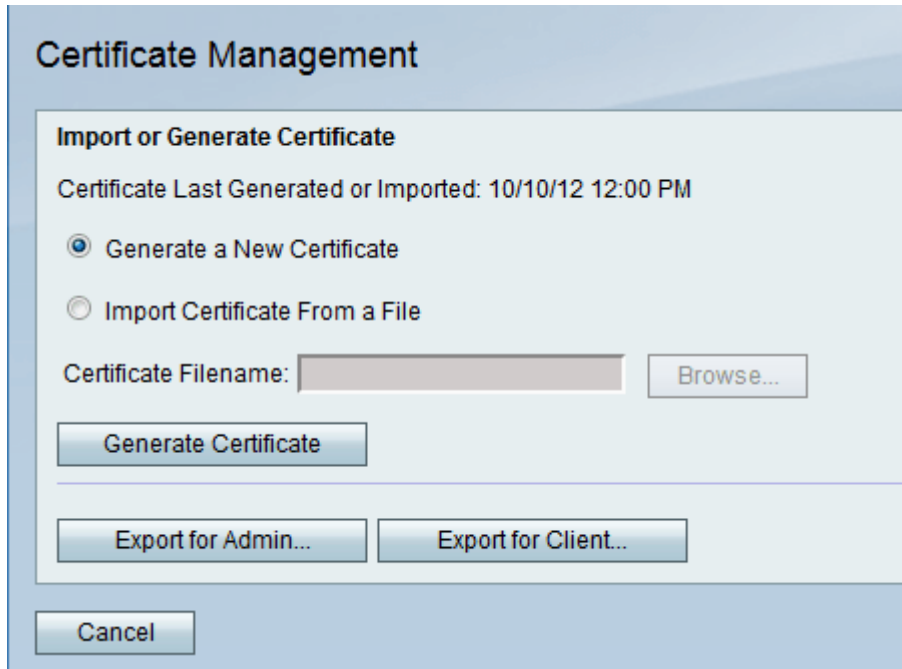
The screenshot shows the 'Certificate Management' interface. At the top, it says 'Certificate Management'. Below that, there's a section titled 'Import or Generate Certificate'. It displays 'Certificate Last Generated or Imported: 10/10/12 12:00 PM'. There are two radio buttons: 'Generate a New Certificate' (selected) and 'Import Certificate From a File' (unselected). Below the radio buttons, there's a text input field for 'Certificate Filename:' which is empty, and a 'Browse...' button. At the bottom of this section is a 'Generate Certificate' button. Below that are two buttons: 'Export for Admin...' and 'Export for Client...'. At the very bottom is a 'Cancel' button.

Step 2. Click **Export 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:



The screenshot shows the 'Certificate Management' web interface. At the top, the title 'Certificate Management' is displayed. Below the title, the section 'Import or Generate Certificate' is visible. It shows the status 'Certificate Last Generated or Imported: 10/10/12 12:00 PM'. There are two radio buttons: 'Generate a New Certificate' (which is selected) and 'Import Certificate From a File'. Below the radio buttons, there is a text input field for 'Certificate Filename:' followed by a 'Browse...' button. A 'Generate Certificate' button is located below the input field. At the bottom of the main content area, there are two buttons: 'Export for Admin...' and 'Export for Client...'. A 'Cancel' button is located at the very bottom of the interface.

Step 2. Click **Export for Client...** to export the new certificate to the client hence it can be used by the Quick VPN users. The certificate is sent to the clients who connect to the router.