How to Install and Request a Certificate

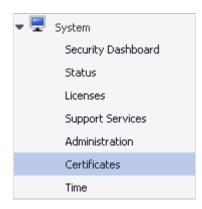
Introduction

This document contains procedures on how to:

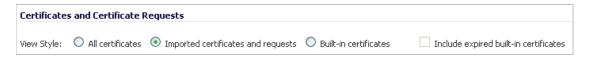
- Install CA Certificates (Trust Anchors and Intermediate CA Certificates).
- Request an End-Entity (Local) Certificate from a CA.
- Install an End-Entity Certificate.

Installing CA Certificates (Trust Anchors and Intermediate CA Certificates)

1.Log into SonicWALL Network Security Appliance portal. Navigate to System > Certificates.



2. Select Imported certificates and requests from the View Style radio buttons.

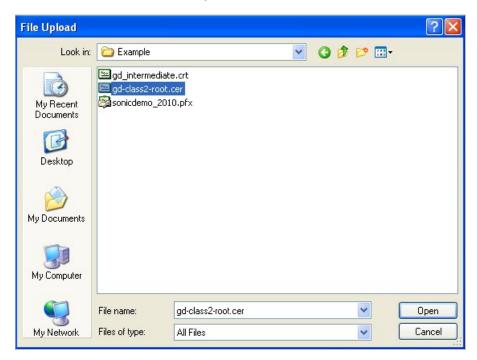


3. Click Import and select Import a CA certificate... in the newly opened window.

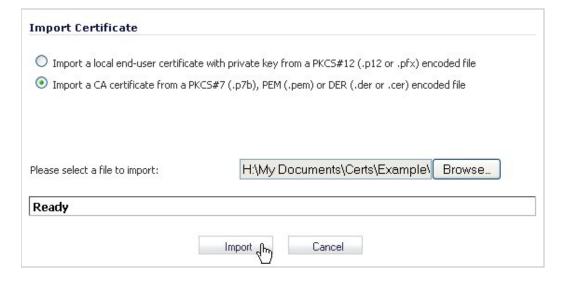




4. Click **Browse** to find and select your certificate.



5. After your certificate has been selected, click Import.

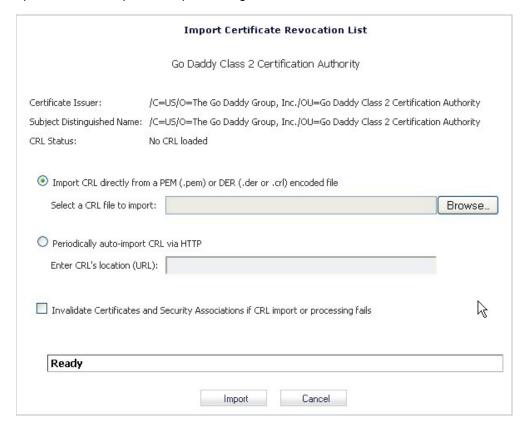




6. The imported certificate will appear with a green arrow icon next to it in the Configure column. If desired, click the **green arrow** to import a CRL.



You will have the option to import a .PEM or .DER file, or point to a URL for periodic import. If the CRL import fails, an option is available to invalidate all certificates issued by this CA. The default option is to not require CRL processing.



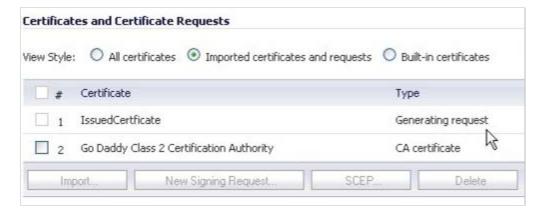


Requesting an End-Entity (Local) Certificate from a CA

1. Click the **New Signing Request** button.



- 2. Fill in the desired form fields. The Subject Distinguished Name field will populate as you fill in various fields of the form. We suggest completing: Country, Organization, Department (Organizational Unit), and Common Name. Your site's security policy will determine the information needed.
- 3. Go to the **Subject Key Size** drop list and select the desired key size. Please be aware that a large key size will take an extensive amount of time to generate (especially on the smaller devices).

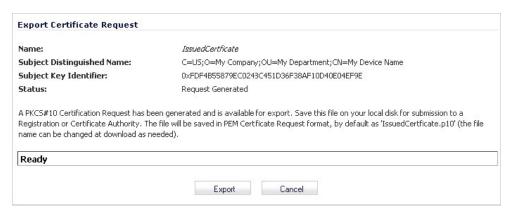


Once the key is generated, the status will update to **Pending Request**.





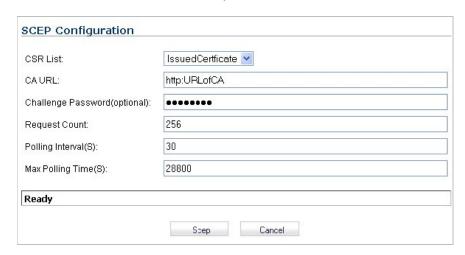
- 4. There are two options available:
 - A. Manually export the CSR (as PEM-encoded PKCS #10 file) by selecting the **export icon**.



If you manually export the CSR, you can then import the signed certificate as a .PEM or .DER file by clicking the **import icon**.



B. Select the **SCEP** button to send to your CA via SCEP.



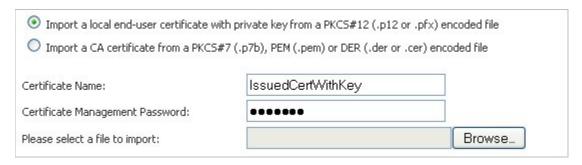


Installing an End-Entity Certificate

If you are importing a certificate matching a pending CSR, then import a .PEM or .DER file containing the certificate stated in previous procedures.



If you are importing a PKCS#12 independently issued by your CA, click the **Import** button and enter your choice of name and password. Then click the **Browse** button and select your file.



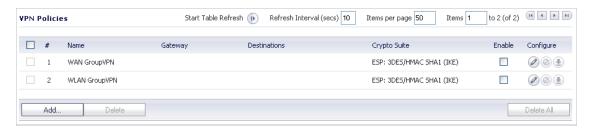


Specifying that a Remote Peer will be Authenticating with Certificates

1. Navigate to VPN > Settings.



2. Click the Add button to bring up a VPN Policy configuration window.



3. In the Authentication Method drop list, select IKE using 3rd Party Certificates.



4. Specify your certificate in the Local Certificate drop list.





- 5. Specify the **Local IKE ID Type** from the drop list.
 - UserFQDN, FQDN, and IPv4 types always use the Subject Alt Name.
 - DN is always the Subject Name.
 - Default ID from Certificate will send the first Subject Alternative Name found of UserFQDN, FQDN, or IPv4 type. Otherwise, it will send the Subject Name as DN.



6. Specify the **Peer IKE ID Type**. UserFQDN, FQDN, and IPv4 are only from subjectAltName.



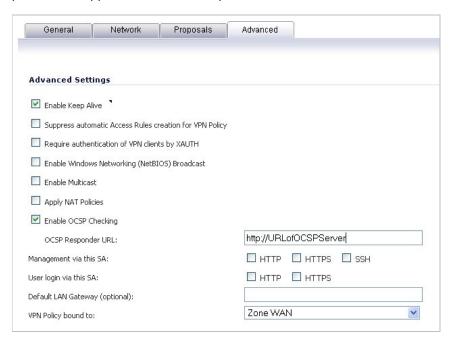
7. Enter the **Peer IKE ID** – this is a string for UserFQDN, FQDN, or IPv4.



- 8. From the **Network** tab, select the appropriate networks for local and remote proxy.
- 9. In the **Proposals** tab, the **Exchange** drop list will provide three modes to choose from Main, Aggressive, or IKEv2. Specify the mode and fill in IKE and IPsec parameters accordingly.



 In the Advanced tab, OCSP Checking can be enabled if desired. Currently, only HTTP protocol is supported. The OCSP option is not available for IKEv2.



In IKEv2 mode, you can configure Hash & URL certification types if desired.

