How do I generate a new SSL certificate from my SonicWall firewall?

06/09/2022

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Description

Scenario

A network admin is trying to install a certificate, so that the web management of the device can be accessed without any certificate error.

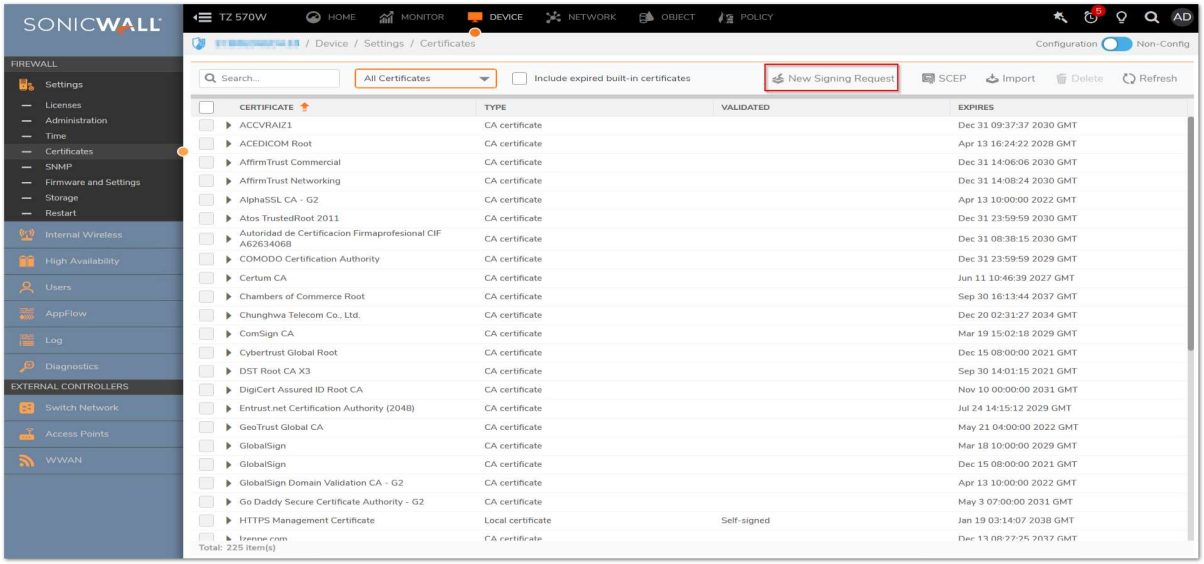
CAUTION: Will require a restart of the firewall.

In order to request and import a certificate from a certificate authority that will work on your appliance you will need to create a certificate signing request on the appliance.

Resolution for SonicOS 7.X

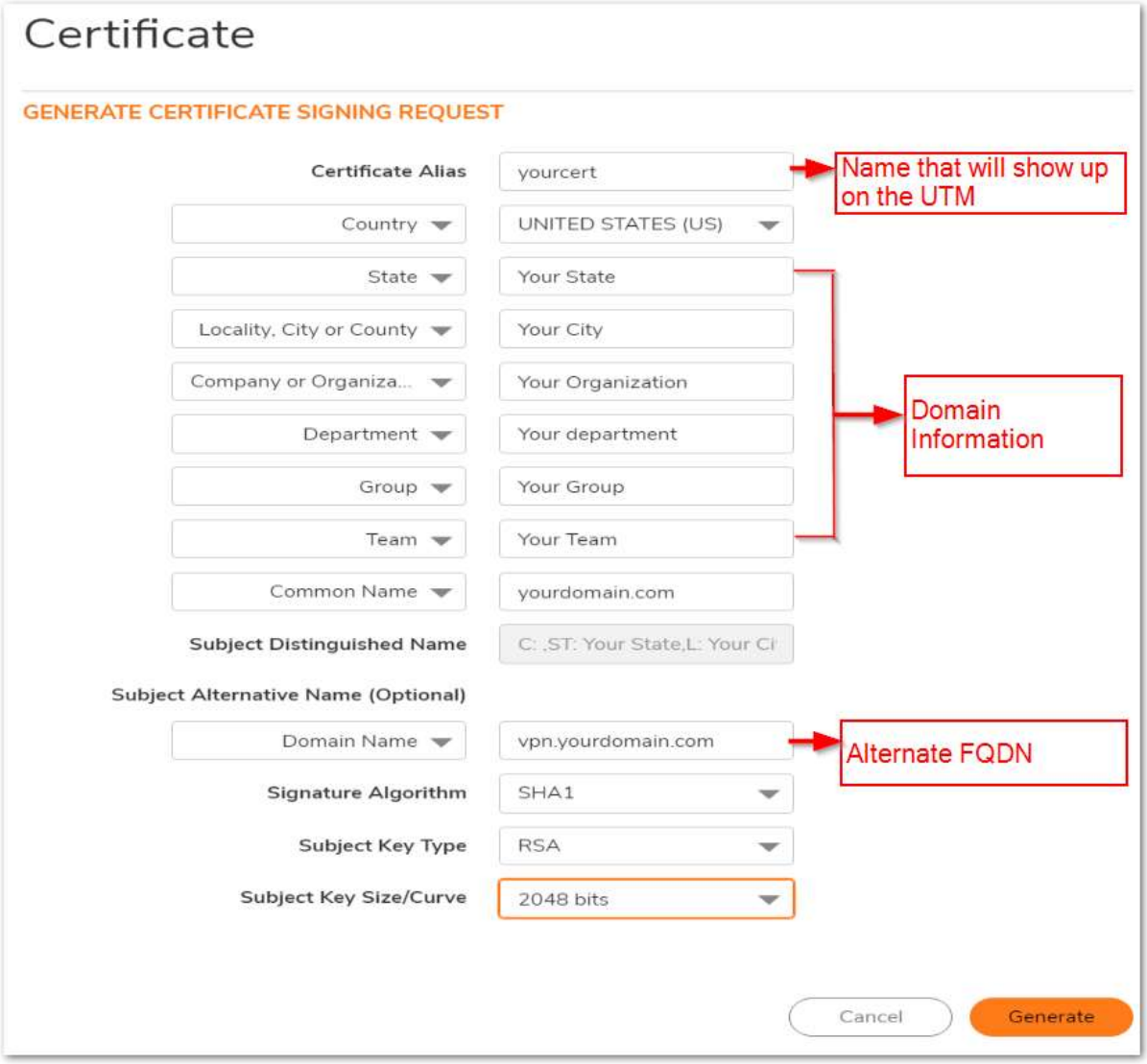
This release includes significant user interface changes and many new features that are different from the SonicOS 6.5 and earlier firmware. The below resolution is for customers using SonicOS 7.X firmware.

1. Log into the appliance and navigate to **Device | Settings | Certificates** and click **New Signing Request**.

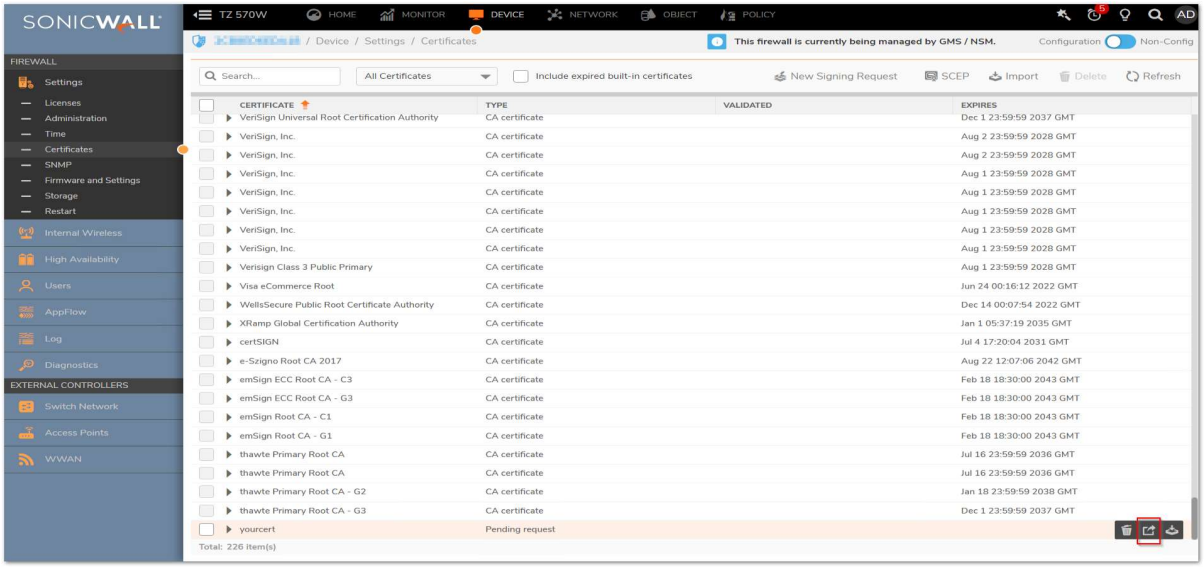


2. Fill out the **Certificate Signing Request** with information on the fully qualified domain name (FQDN) you will be using for the SSL.

📌 **TIP:** Wildcard for a domain would be *.yourdomain.com, Wildcard cost more but authenticate all subdomains on the domain.



3. Download the CSR. You can edit this with a text editor. Notepad ++ is a good option because it keeps the format that works best for copying a CSR request over to a certificate authority.



4. Request a SSL from your certificate authority providing this CSR text where they request.

NOTE: When downloading the signed certificate from the certificate authority (such as GoDaddy or Thawte) select the server platform Apache SSL.

yourcert.p10

```
-----BEGIN CERTIFICATE REQUEST-----
MIIDJDCCAgwCAQAwga4xCzAJBgNVBAYTAlVTMRMwEQYDVQQIEwpZb3VyIFN0YXRl
MRIwEAYDVQQHEwlZb3VyIENpdHkxGjAYBgNVBAoTEVlvdXIgT3JnYW5pemF0aW9u
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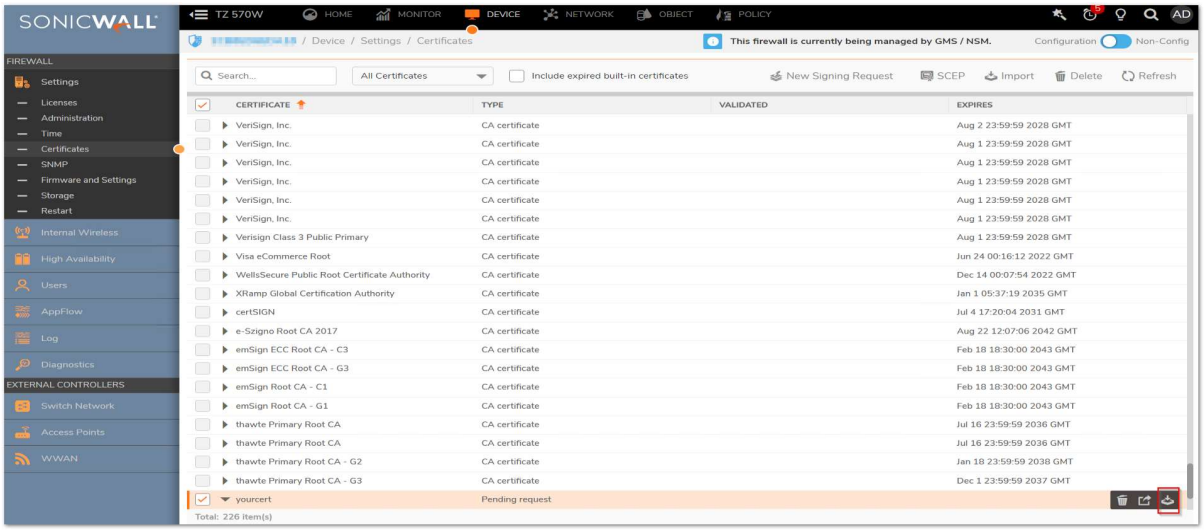
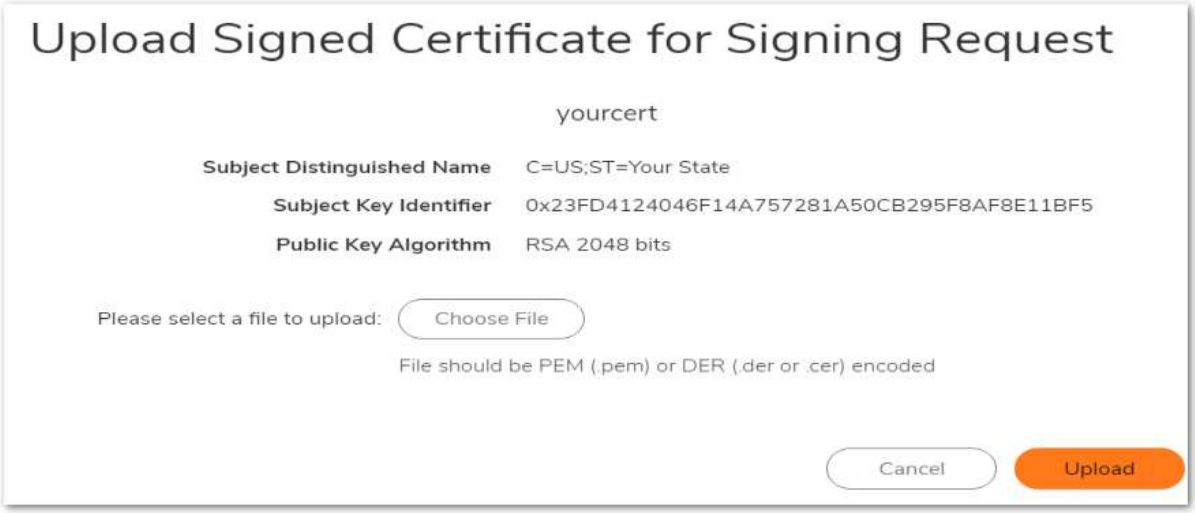
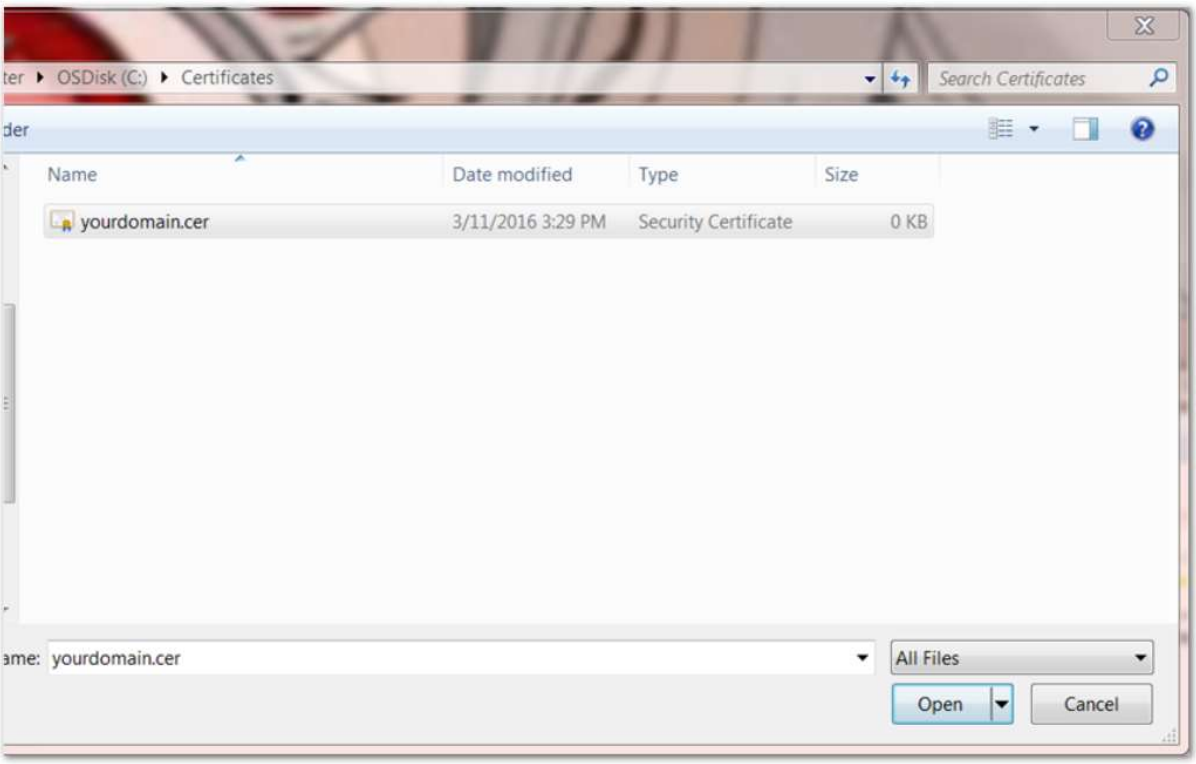
xkJnmcZ5xKpYNpPQ/XIpSgyEPVZ4Wf+blp7uuYuuXR+ACfuvEHZ64A==
-----END CERTIFICATE REQUEST-----
```

5. Once you get the certificate back from the certificate authority upload the certificate to the pending request.




Upload Signed Certificate for Signing Request
yourcert
Subject Distinguished Name
C=US;ST=Your State
Subject Key Identifier
0x23FD4124046F14A757281A50CB295F8AF8E11BF5
Public Key Algorithm
RSA 2048 bits
Please select a file to upload:
Choose File
File should be PEM (.pem) or DER (.der or .cer) encoded
Cancel
Upload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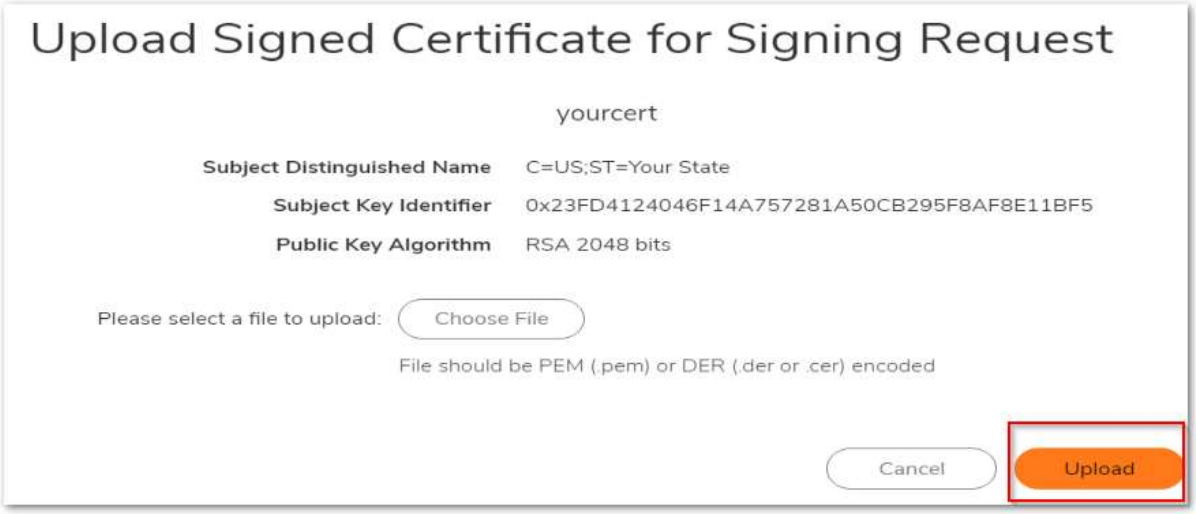
All Files
Open
Cancel



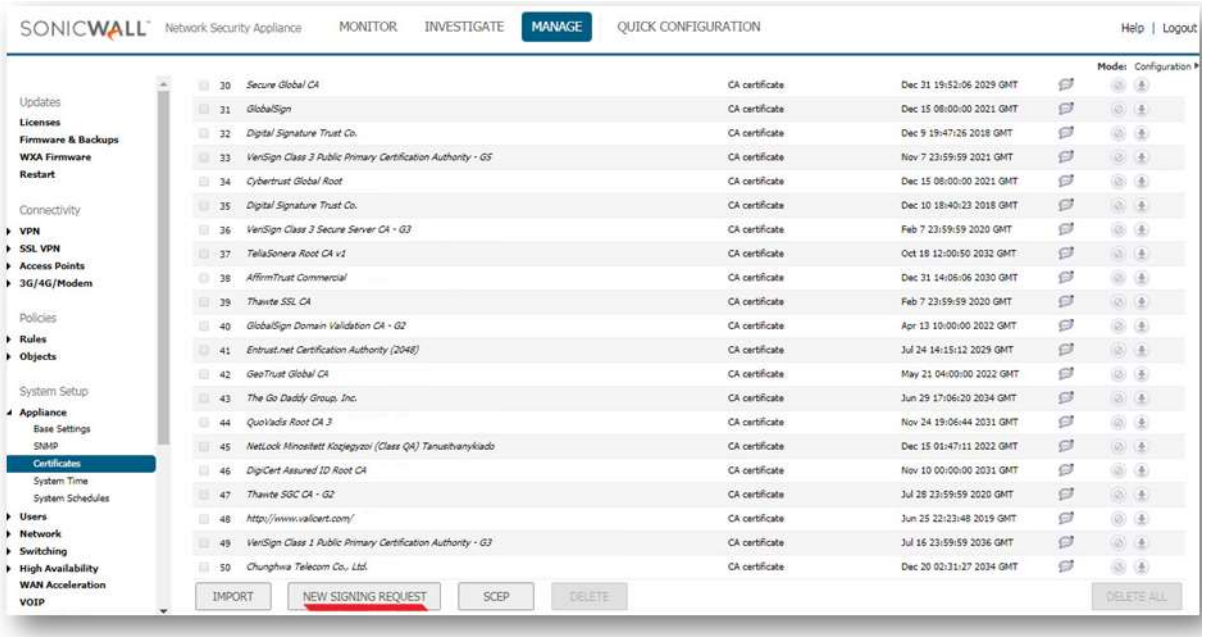
6. Restart the appliance to verify the certificate is installed and validated.

   📌 **TIP:** If the certificate shows "Validated No" use the following article to import the certificate chain to validate the SSL.

Resolution for SonicOS 6.5

This release includes significant user interface changes and many new features that are different from the SonicOS 6.2 and earlier firmware. The below resolution is for customers using SonicOS 6.5 firmware.

1. Log into the appliance and navigate to **Manage | Appliance | Certificates** and click **New Signing Request**.



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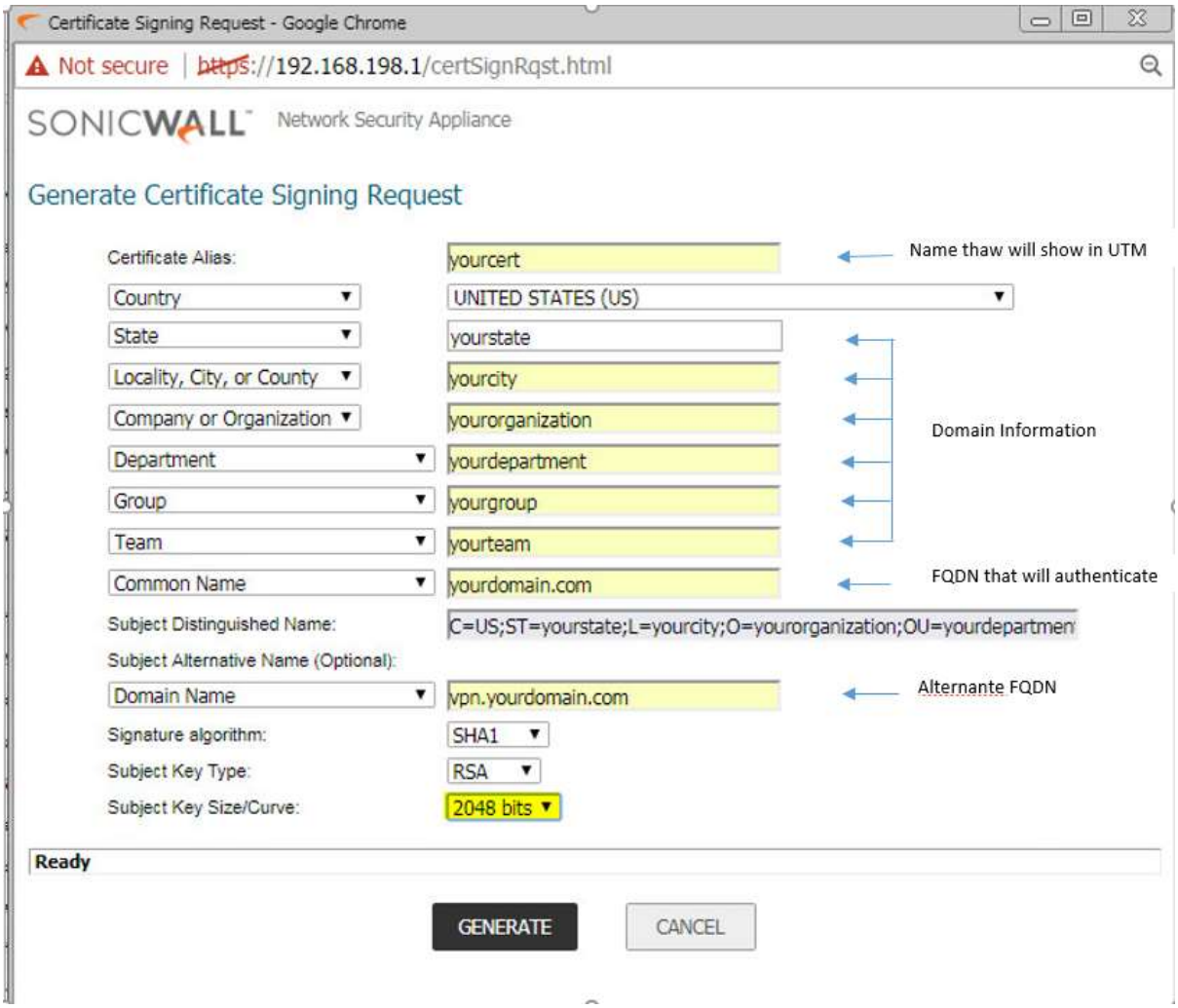

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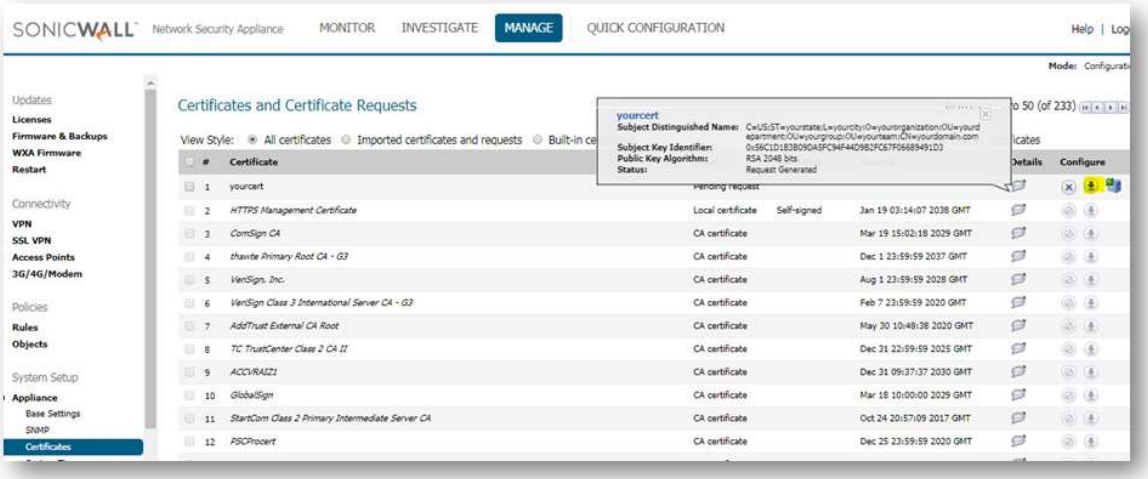

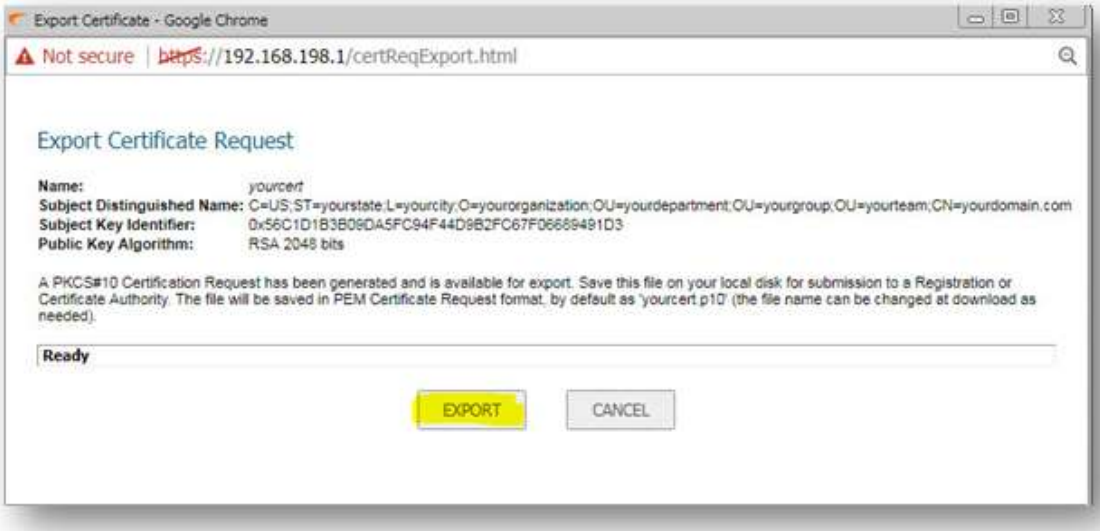

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ETAPBgNVBAcTCHlvdXJjaXR5MRkwFwYDVQQKExB5b3Vyb3JnYW5pemF0aW9uMRcw
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-----END CERTIFICATE REQUEST-----
```

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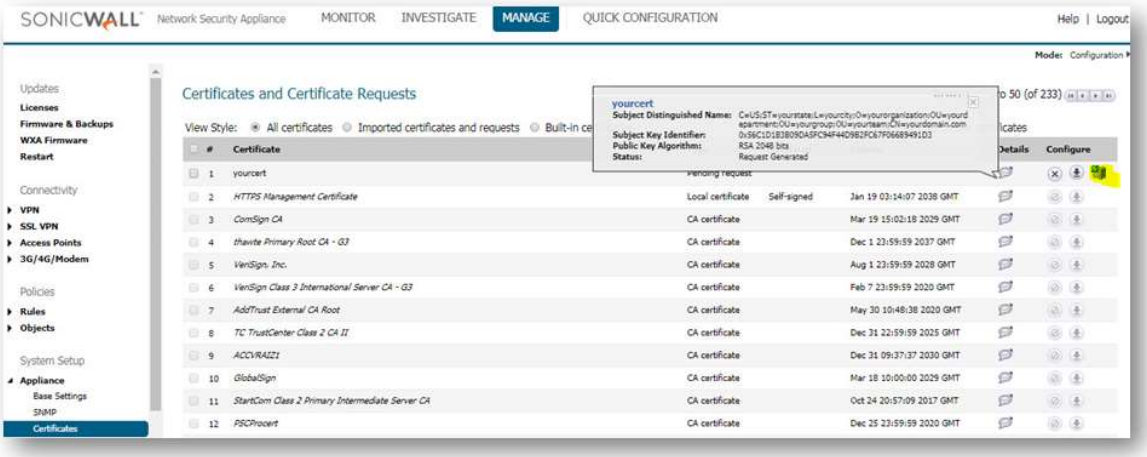
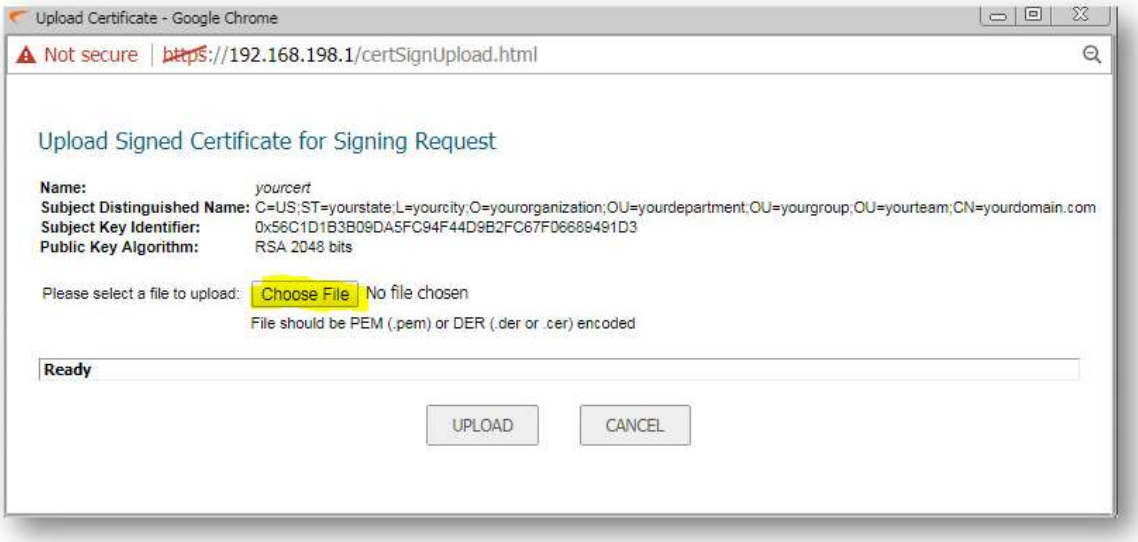
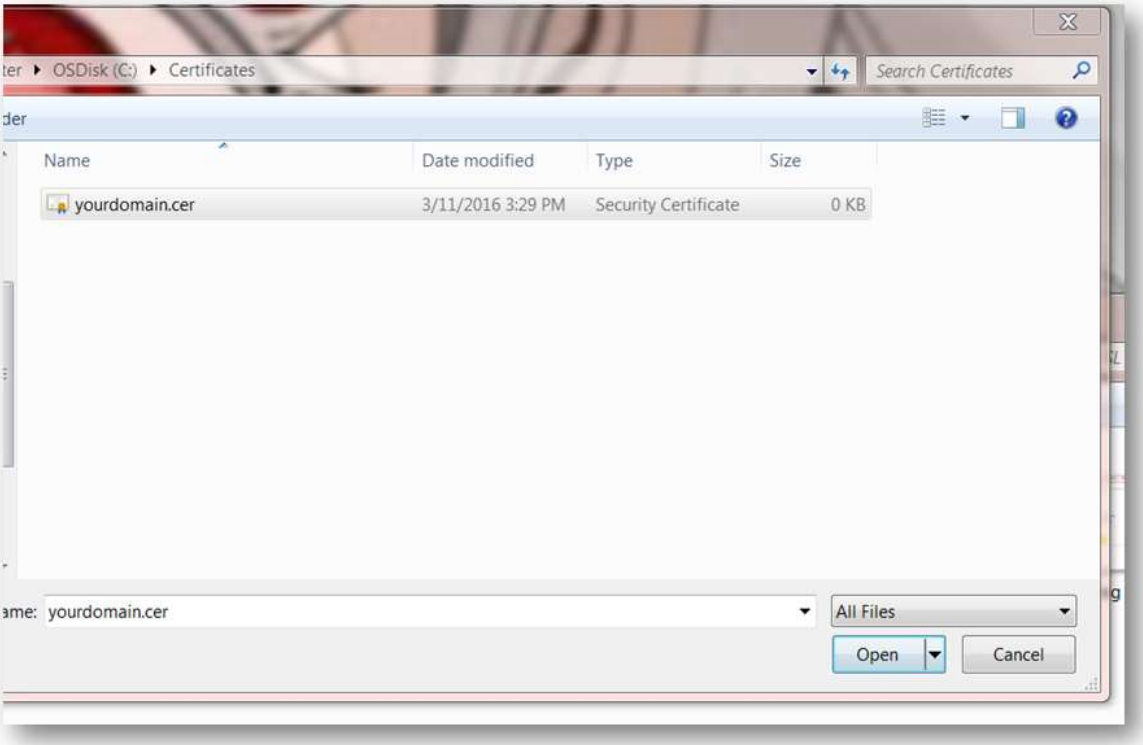



Upload Certificate - Google Chrome
Not secure | https://192.168.198.1/certSignUpload.html
Upload Signed Certificate for Signing Request
Name: yourcert
Subject Distinguished Name: C=US;ST=yourstate;L=yourcity;O=yourorganization;OU=yourdepartment;OU=yourgroup;OU=yourteam;CN=yourdomain.com
Subject Key Identifier: 0x56C1D1B3B09DA5FC94F44D9B2FC67F06689491D3
Public Key Algorithm: RSA 2048 bits
Please select a file to upload:
Choose File
No file chosen
File should be PEM (.pem) or DER (.der or .cer) encoded
Ready
UPLOAD
CANCEL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All Files
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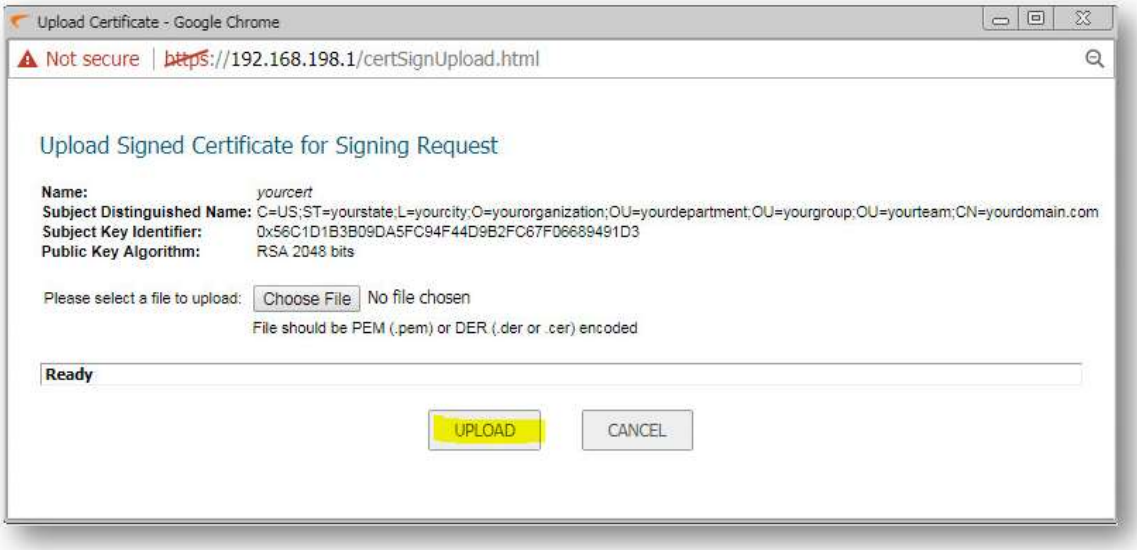
Cancel



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📌 **TIP:** If the certificate shows "Validated No" use the following article to import the certificate chain to validate the SSL: Importing Certificate Authority Chain.