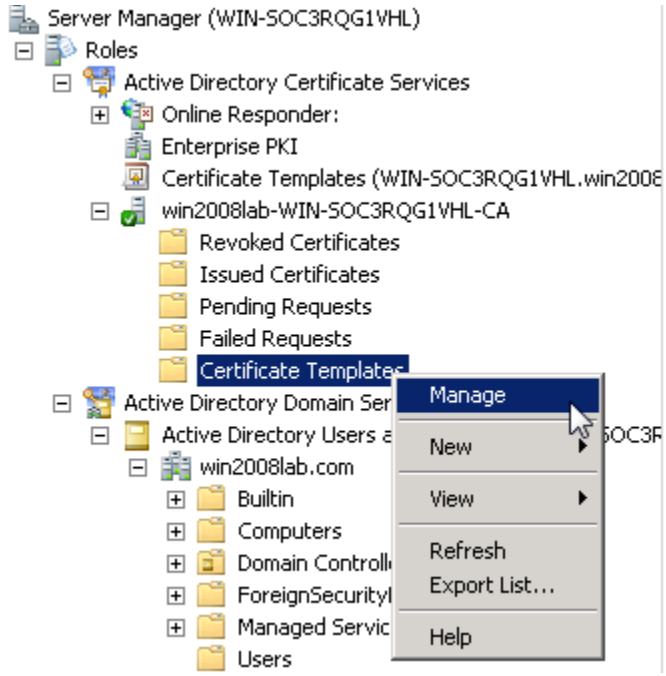
How to issue a certificate using Microsoft Windows 2008 certificate server for Aruba Instant

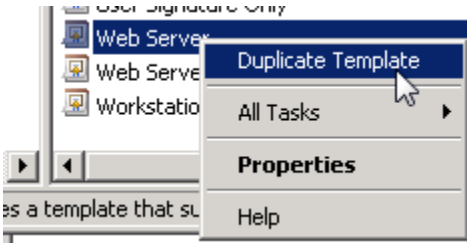
This document describes how to setup the Windows 2008 server with certificate services installed to issue certificate with exportable private key. The Aruba Instant does not support CSR generation and hence the certificate server must allow the private to be exported. The Aruba Instant version 6.1.2.3_2.0.0.0 is used for lab verification purpose. The certificate is required when setting up 802.1x with Radius server or Internal server.

Step 1: Create a new certificate template which allows the private key to be exported.

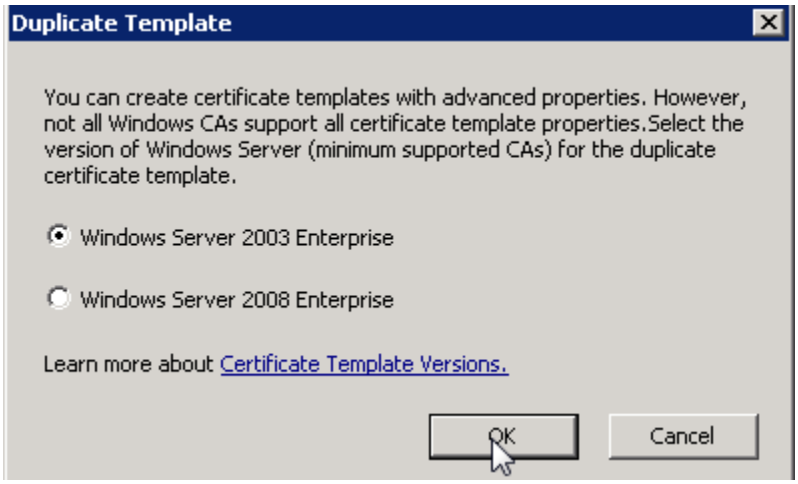
Open the Server Manager -> Roles -> Active Directory Certificate Services -> Click on the + next to the server name -> Certificate Templates -> Right click and select Manage



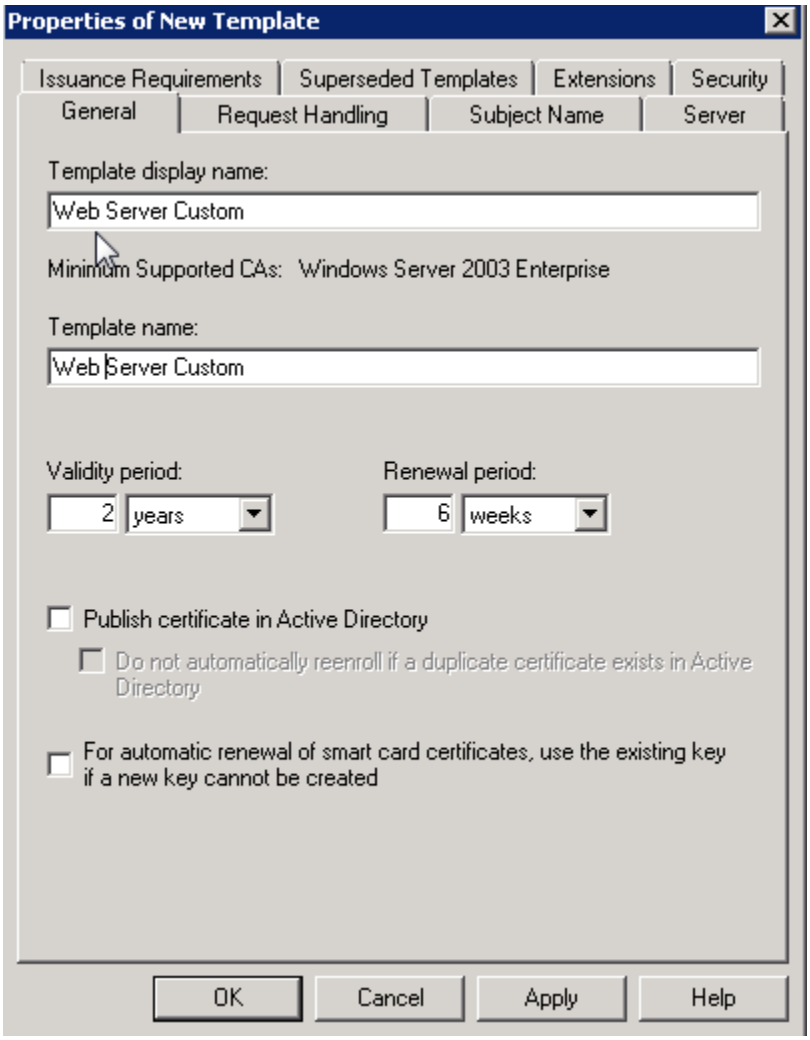
Step 2: Select the Web Server default template and click on Duplicate Template



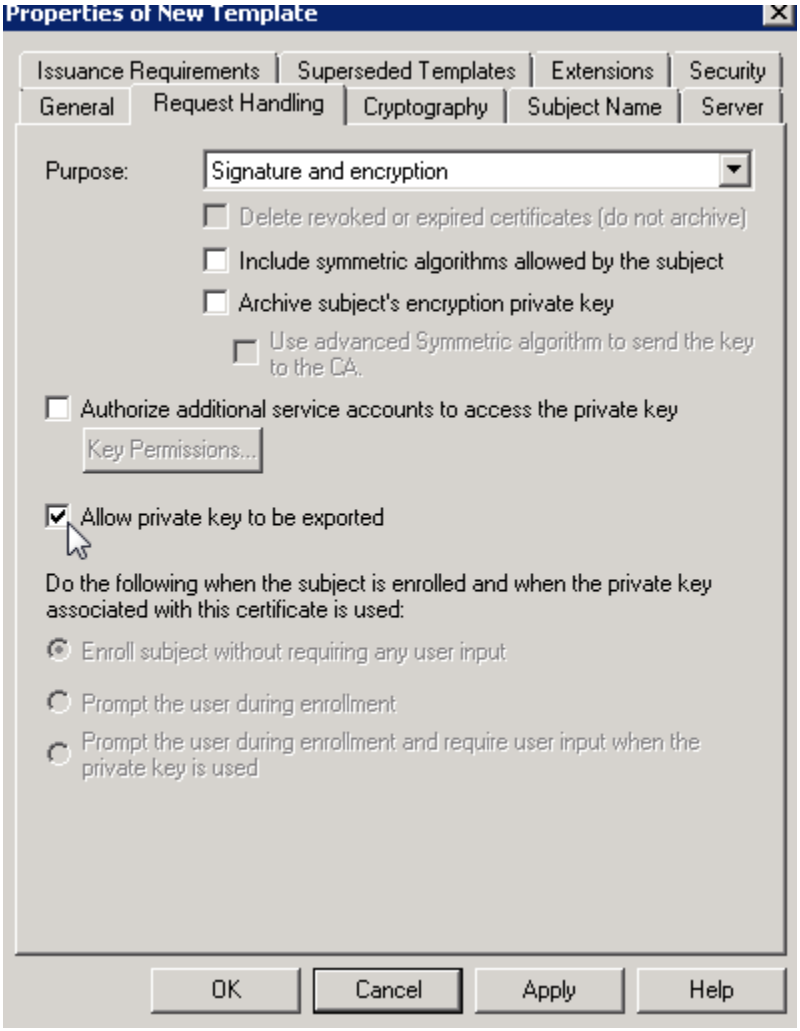
Step 3: Click OK



Step 4: Type the Template Name

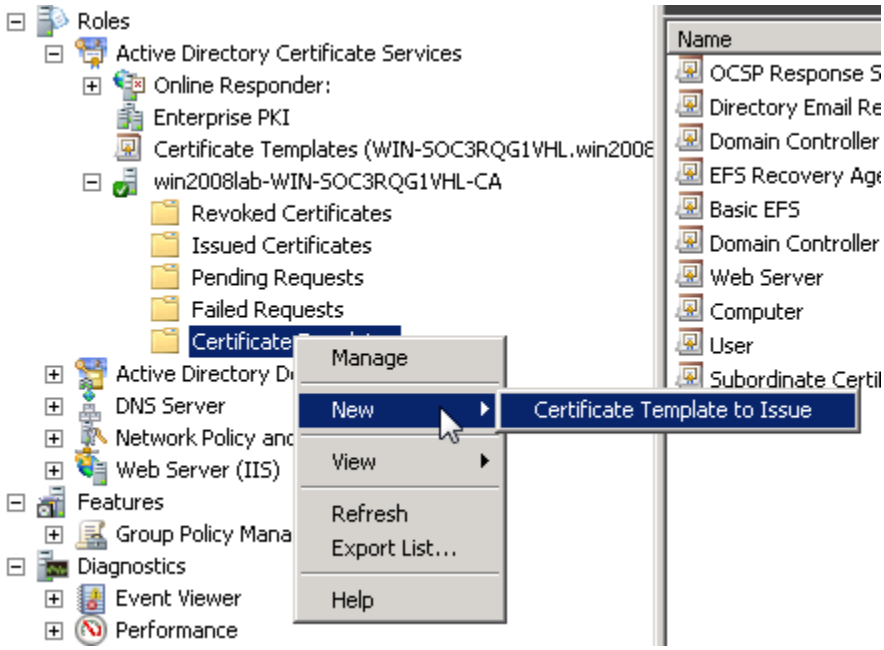


Step 5: Click on Request Handling and click on Allow private key to be exported

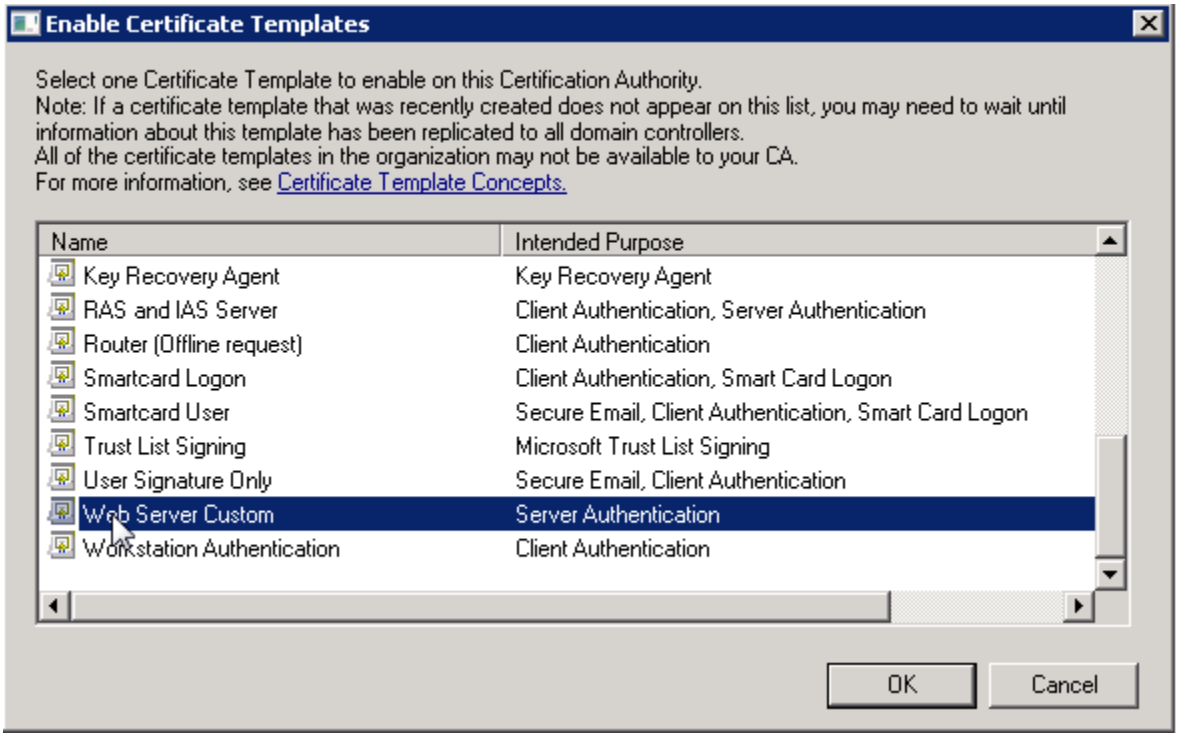


Step 6: Need to enable the template.

Select certificate template -> Right click -> Select New -> Certificate Template to Issue

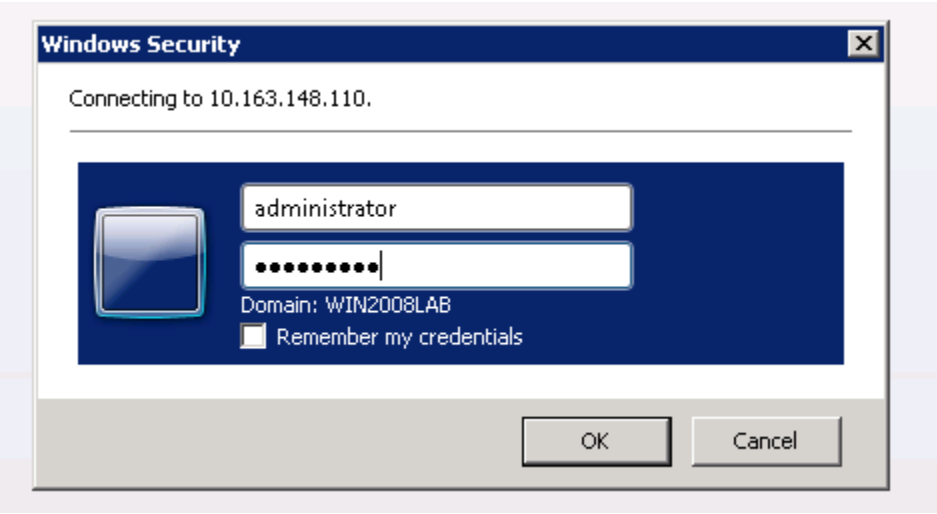


Step 7: Select the new template created and click OK

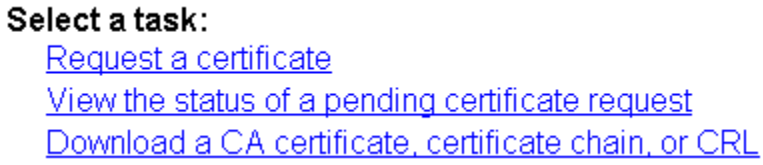


Step 8: Open the Browser and connect to the certificate server enrollment web page. You must login as administrator or equivalent in privileges in order to see the newly created template.

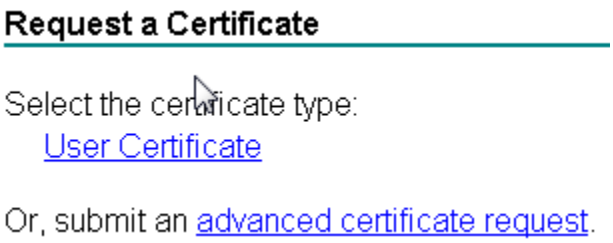
Example: https://10.163.148.110/certsrv/



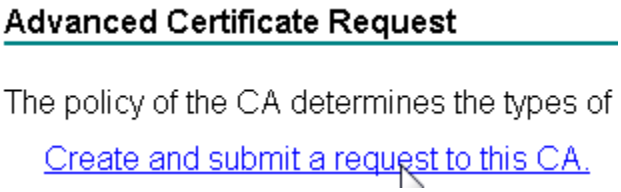
Step 9: Click on Request a certificate

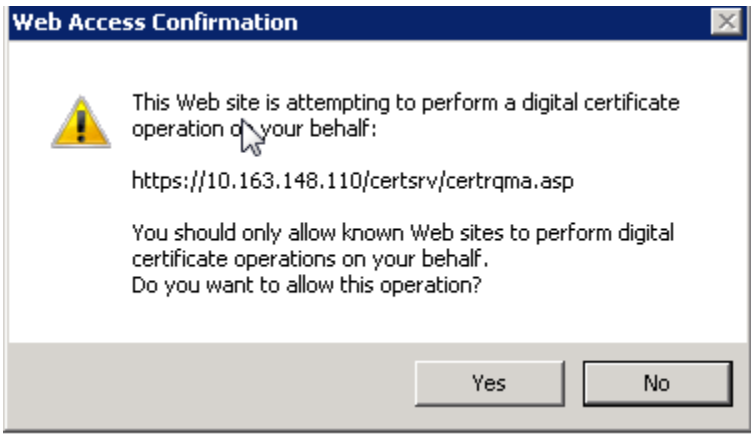


Step 10: Click on advance certificate request

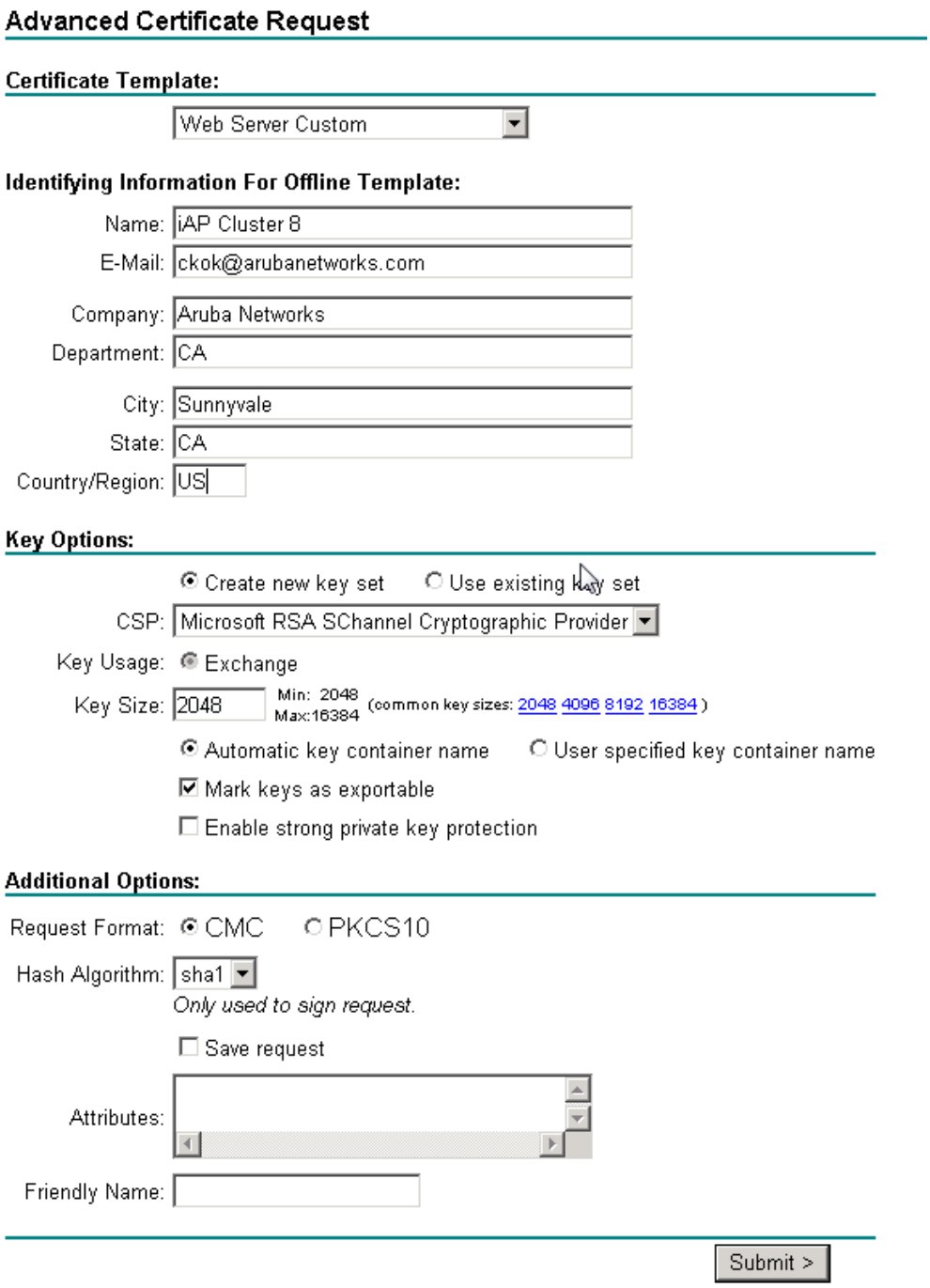


Step 11: Click on Create and Submit request to this CA. When prompted on Web Access Confirmation, click OK

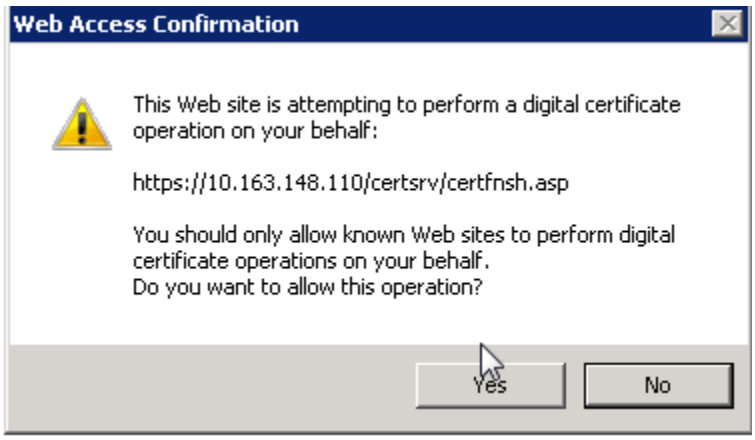




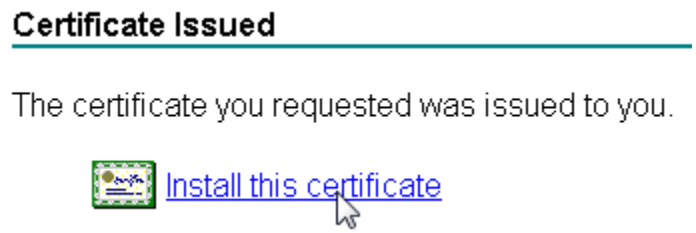
Step 12: On the Certificate Template drop down -> Select the newly created template -> Fill in all the required information -> Click Submit



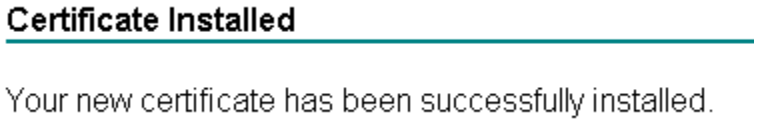
Step 13: Click Yes on Web Access Confirmation



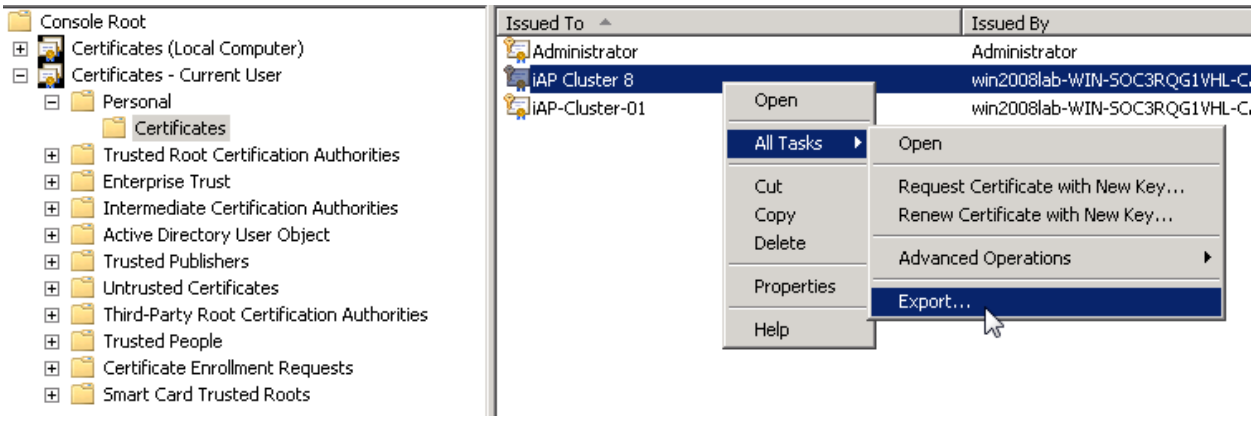
Step 14: Click in Install this certificate



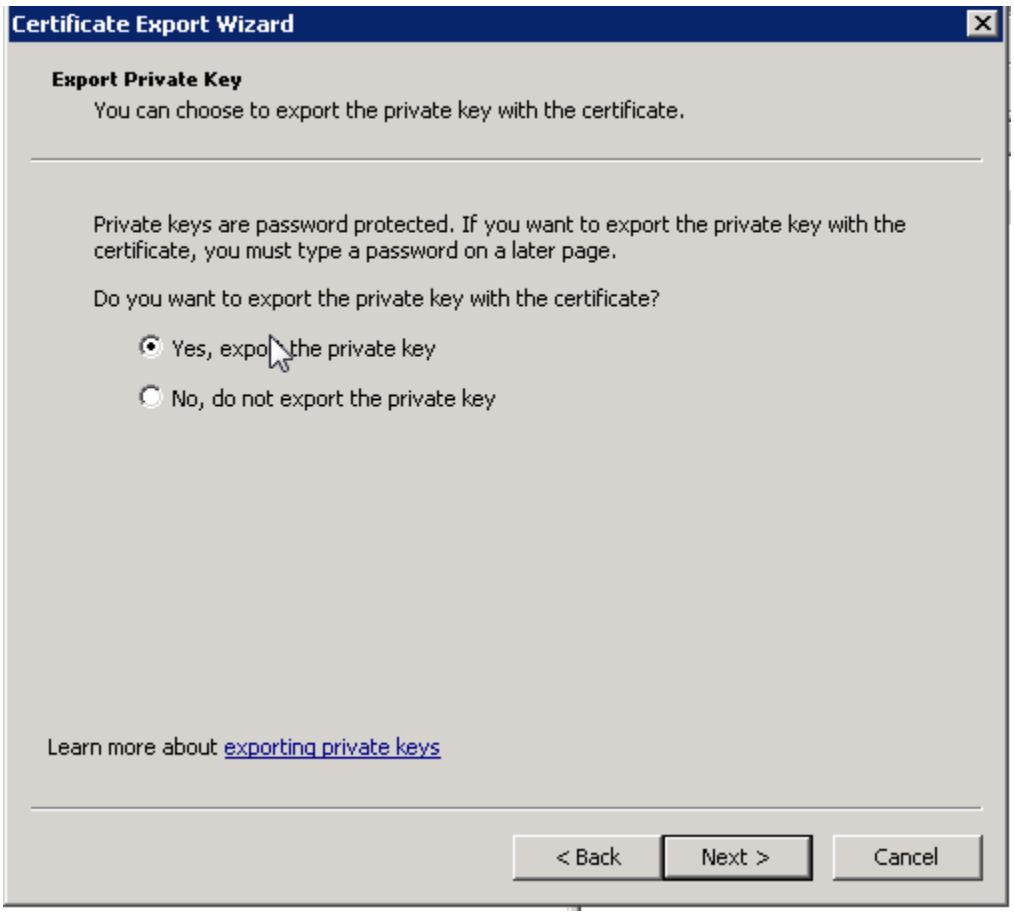
Step 15: The certificate is now install into your local certificate store.



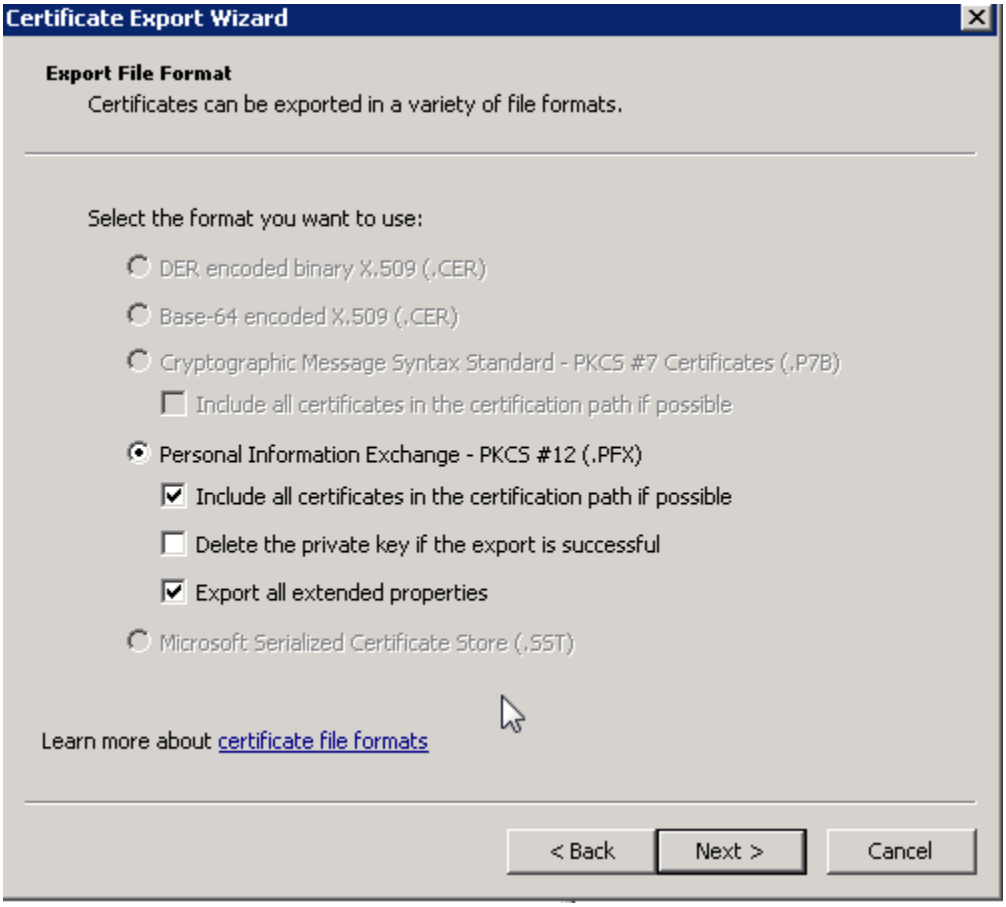
Step 16: Open the MMC -> Select Current User -> Personal ->Certificates -> Select the certificate name -> Right click -> All Tasks -> Export



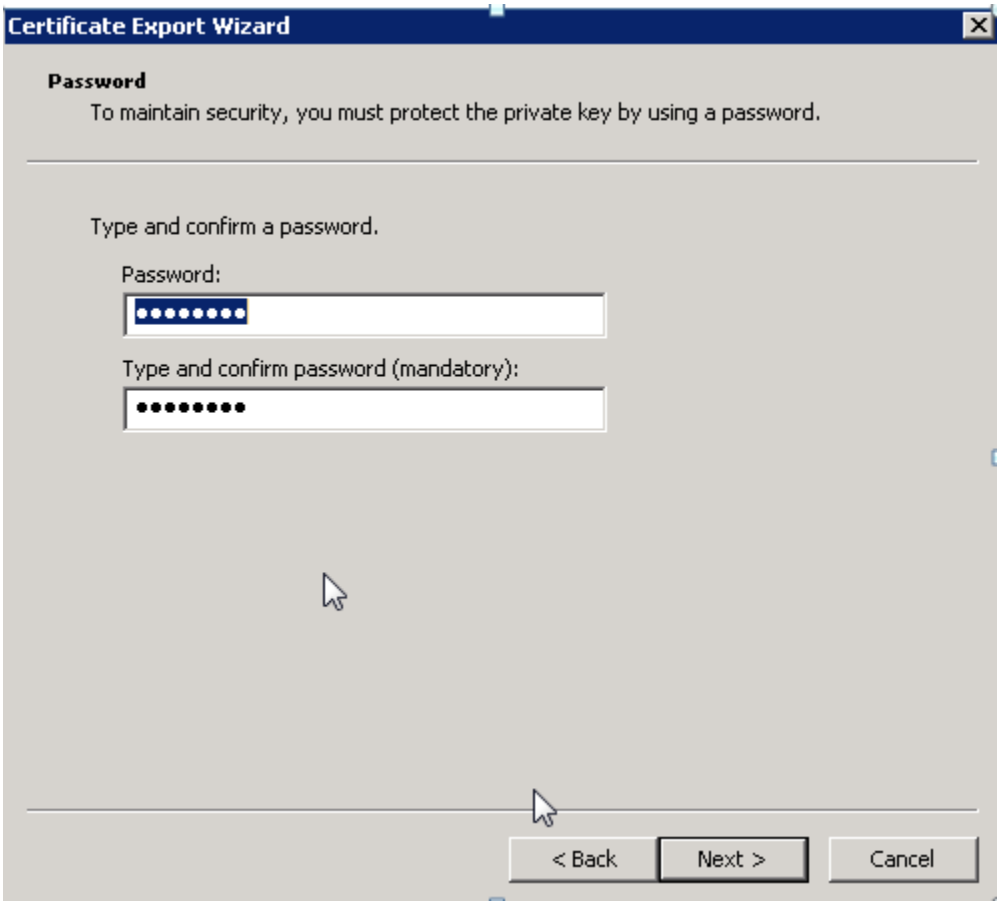
Step 17: Select Yes, export the private key and click Next



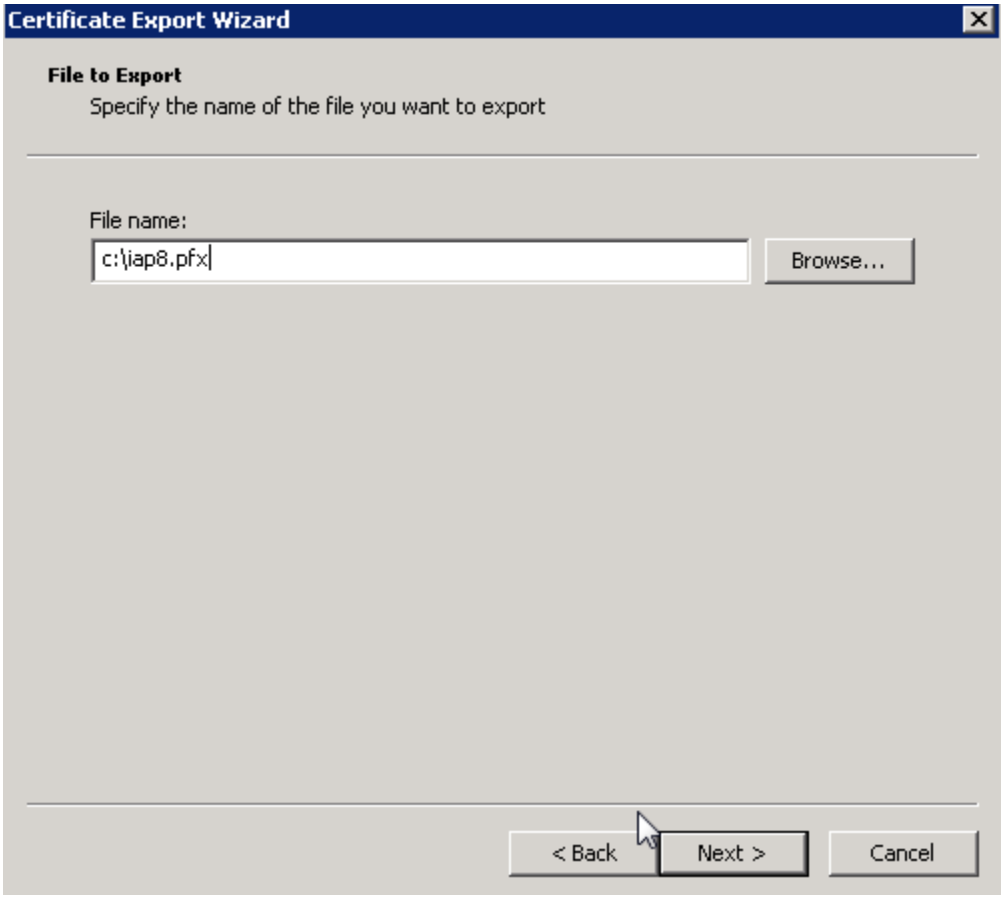
Step 18: Click Next



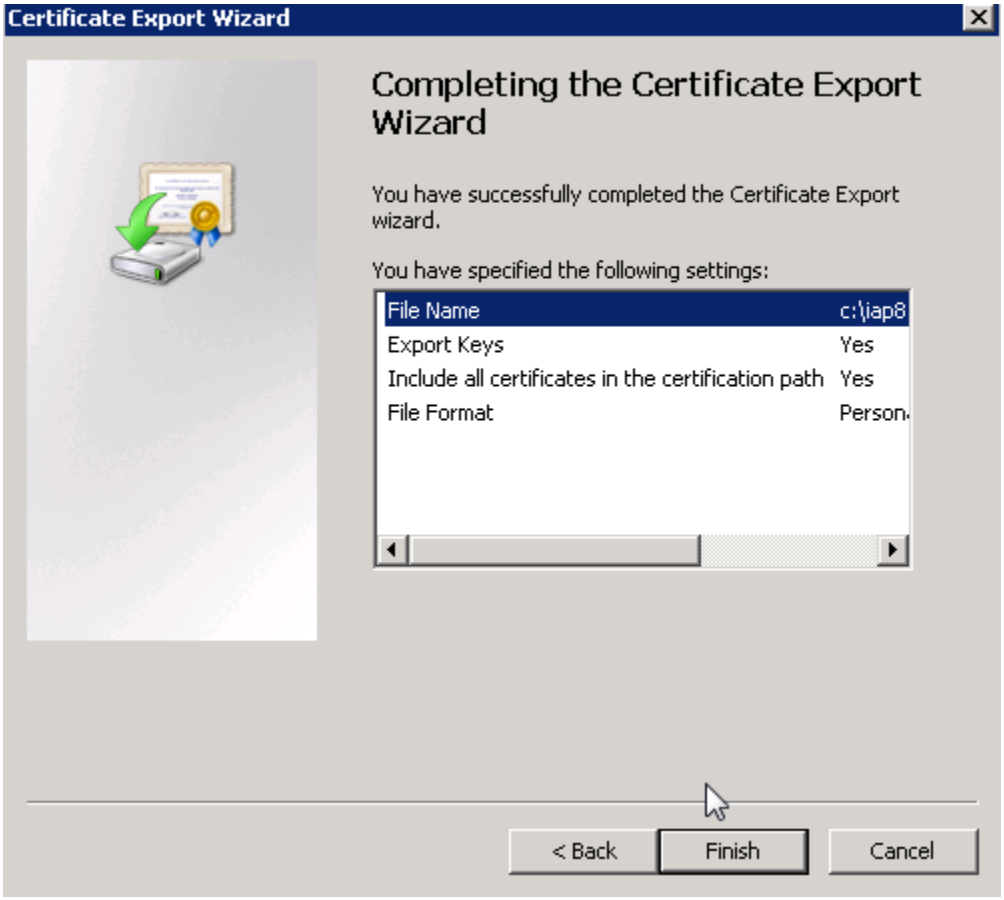
Step 19: Enter the Password and click Next



Step 20: Enter the filename and click Next



Step 21: Click Finish



Step 22: Click OK

Step 23: Login to the Aruba Instant Cluster -> Maintenance -> Certificates -> Upload New Certificate -> Select the exported certificate, enter the password -> Upload Certificate

You will need to upload the CA certificate when using EAP-TLS.