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Comodo
Certificate Manager

Active Directory - Certificate Template Settings for Enrollment from MS CA

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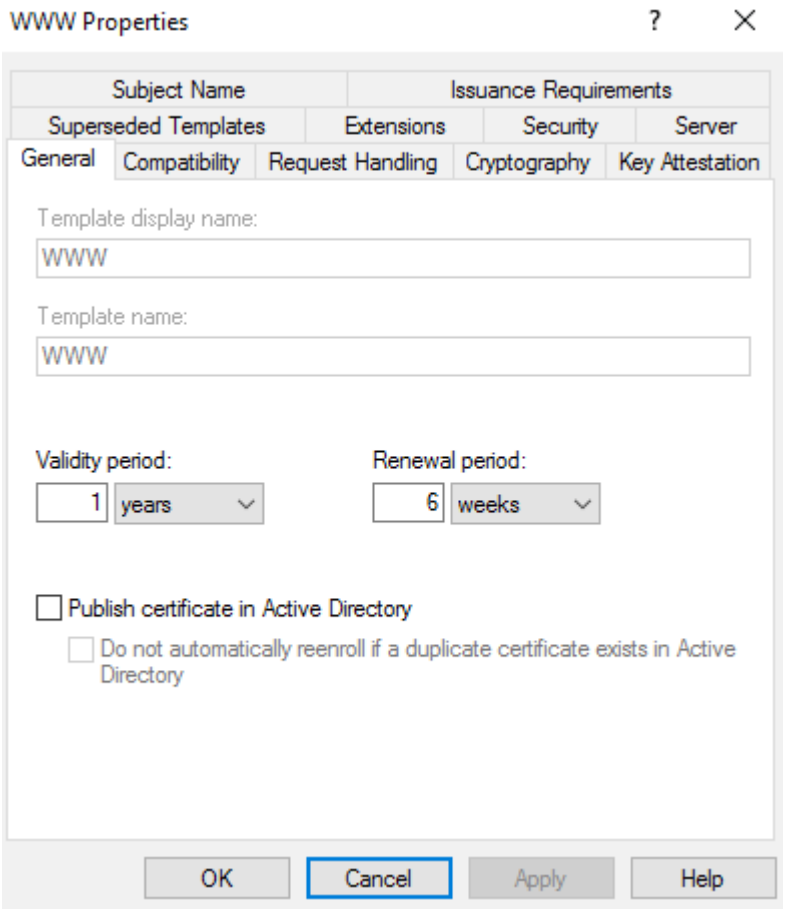
Certificate template settings for 'Enroll-On-Behalf' feature

The following settings are for user and computer-based templates for the CCM 'Enroll-On-Behalf' feature.

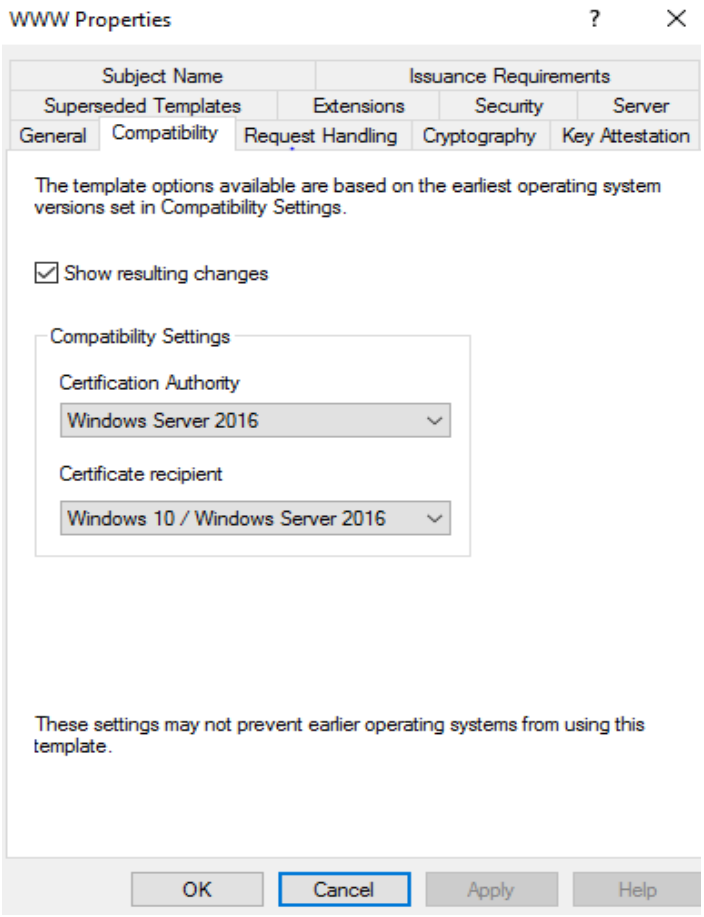
Setting templates:

1. Open the Windows command prompt (cmd).
2. Run the following command: certtmpl.msc
3. Duplicate the desired template for the 'enroll-on-behalf' feature.
4. Customize the template properties as explained below:

a) 'Template display name': Any name is allowed, but note the restrictions on the number of significant characters in Windows identifiers. For example: WWW

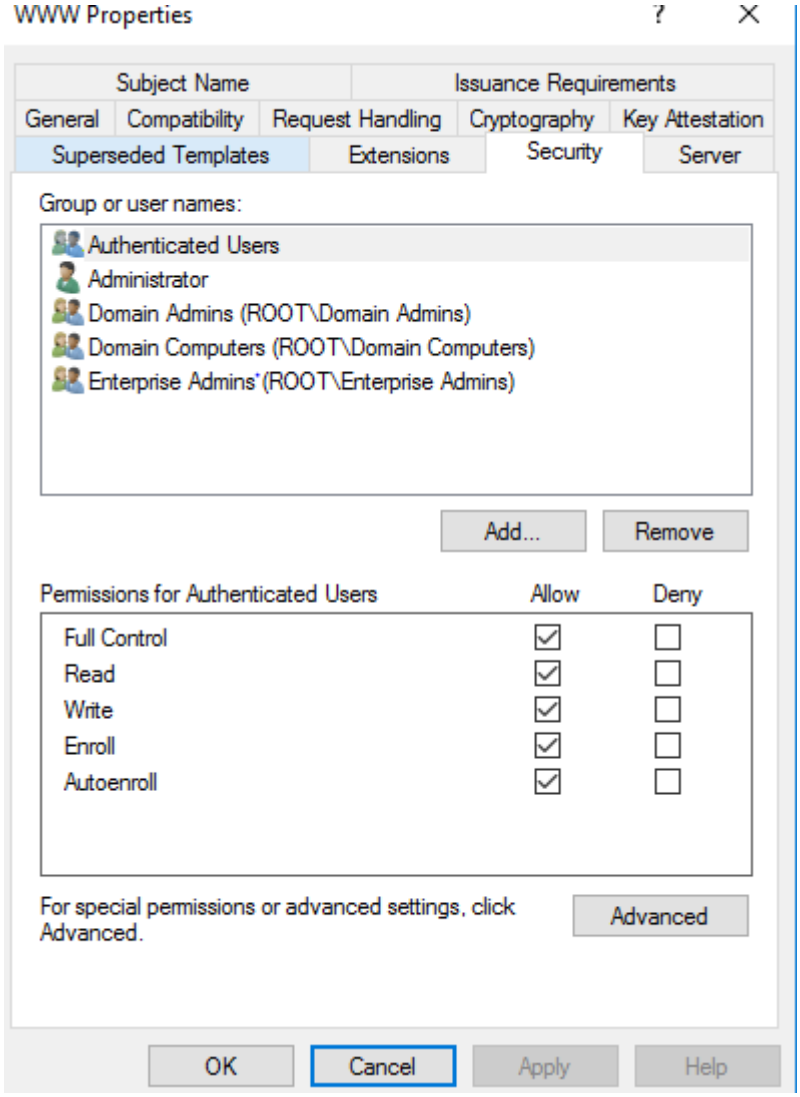


b) Configure the 'Compatibility' tab as shown below :



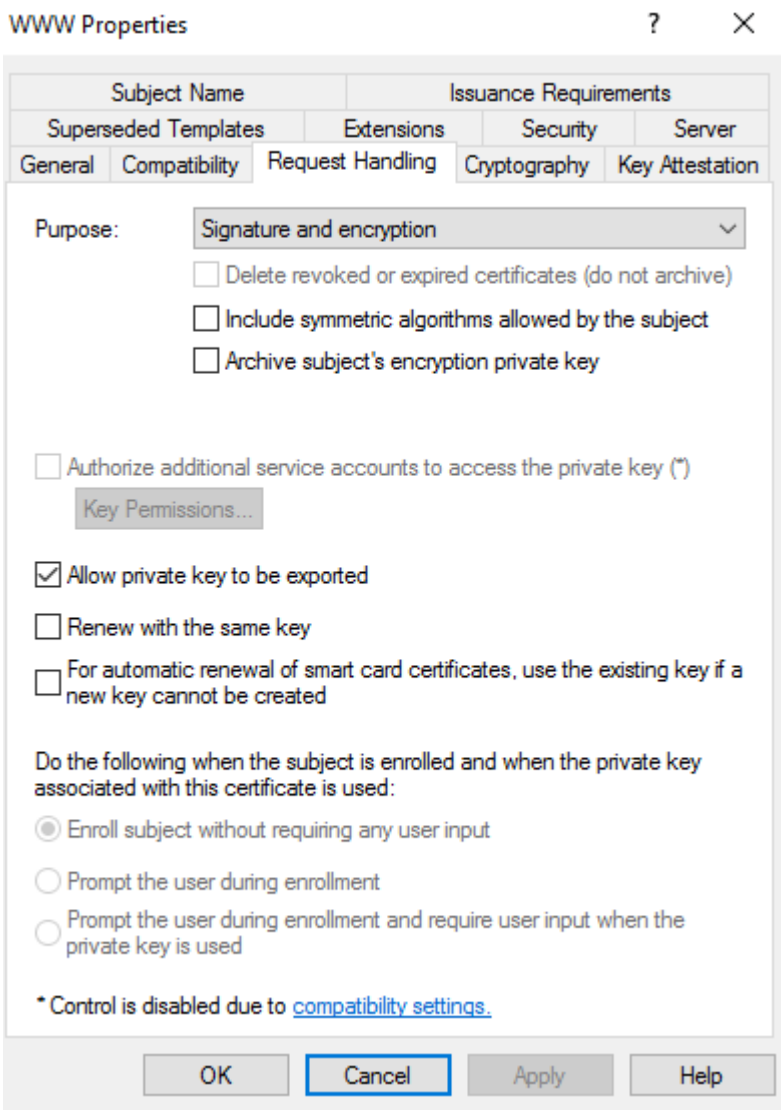
Note: Admin should not necessarily use Server 2016. They need to use the highest/latest values of compatibility available to them.

c) Open the 'Security' tab and provide the necessary permissions for the requester:



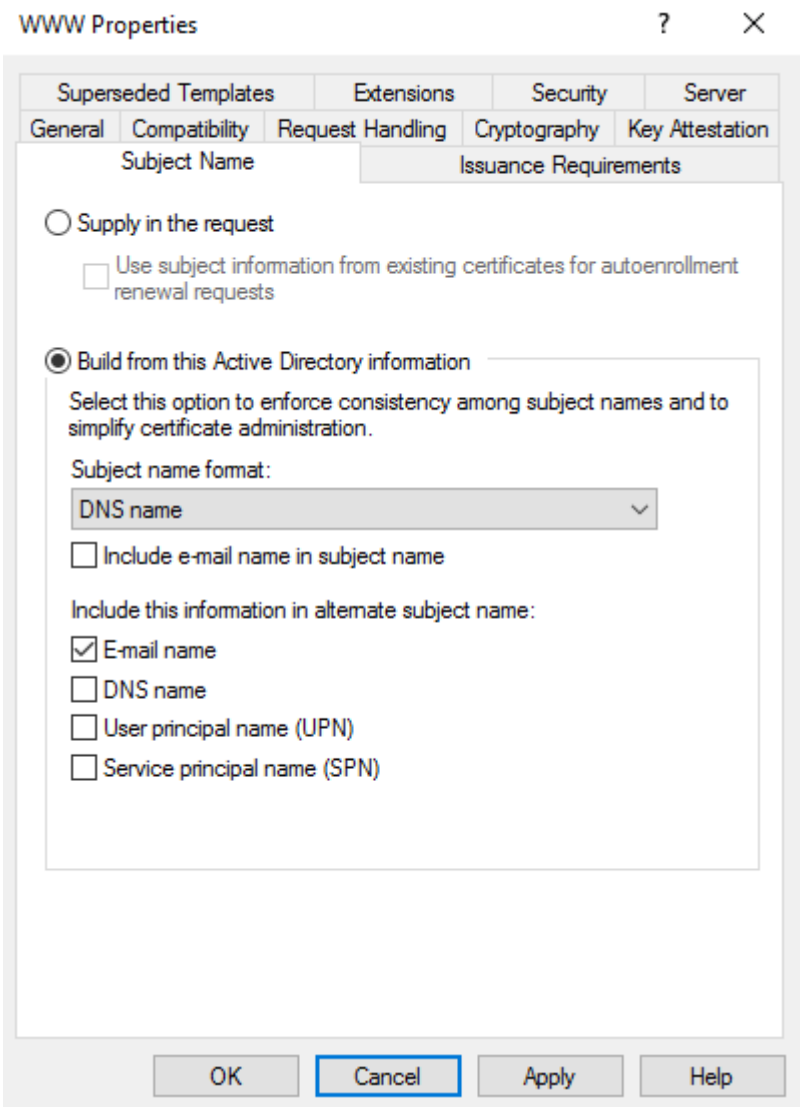
Note: Make sure to have 'Domain Admins' in 'Group or user names' section with at least "Read" and "Enroll" permissions assigned.

d) Open the 'Request Handling' tab and enable 'Allow private key to be exported' (if disabled):



e) If it is a user-based template for the 'enroll-on-behalf' feature, click 'OK' and go to '**Setting the Certificate Authority (CA) properties for the 'Enroll-on-behalf' feature**'. Or if it is a computer-based template proceed with template settings configuration as explained below:

- Open the 'Subject Name' tab to create the correct subject for the template. Select 'Build from this Active Directory information'. Choose 'DNS name' as the format and 'Email name' as information to include in the alternate subject name:



- Open the 'Issuance Requirements' tab. Set the following properties for the 'Enroll-On-Behalf' feature to work with computer-based templates:

    i. Set a minimum of 1 authorized signatures
    ii. Set the following:

    'Policy type required in signature:' - 'Application Policy'
    'Application Policy:' - 'Certificate Request Agent'

- Click 'OK' button and proceed as follows below.

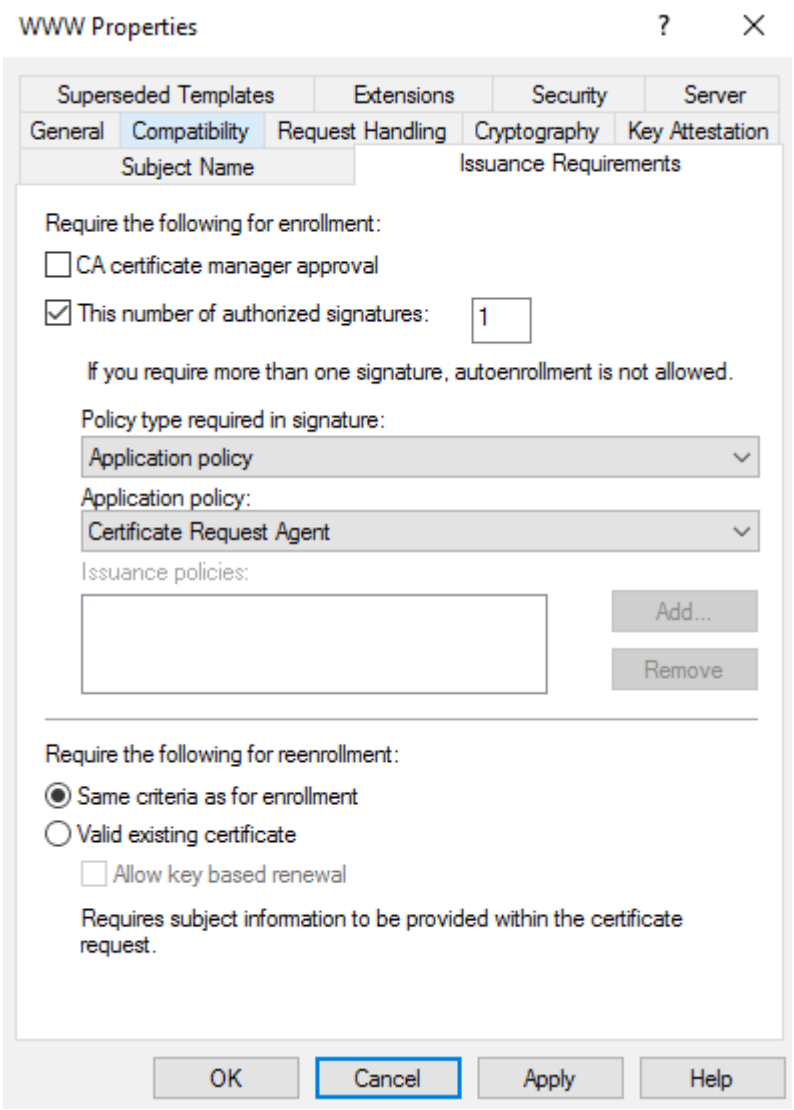
Setting the Certificate Authority (CA) properties for the 'Enroll-on-behalf' feature :

1. Return to the Windows command prompt (cmd).

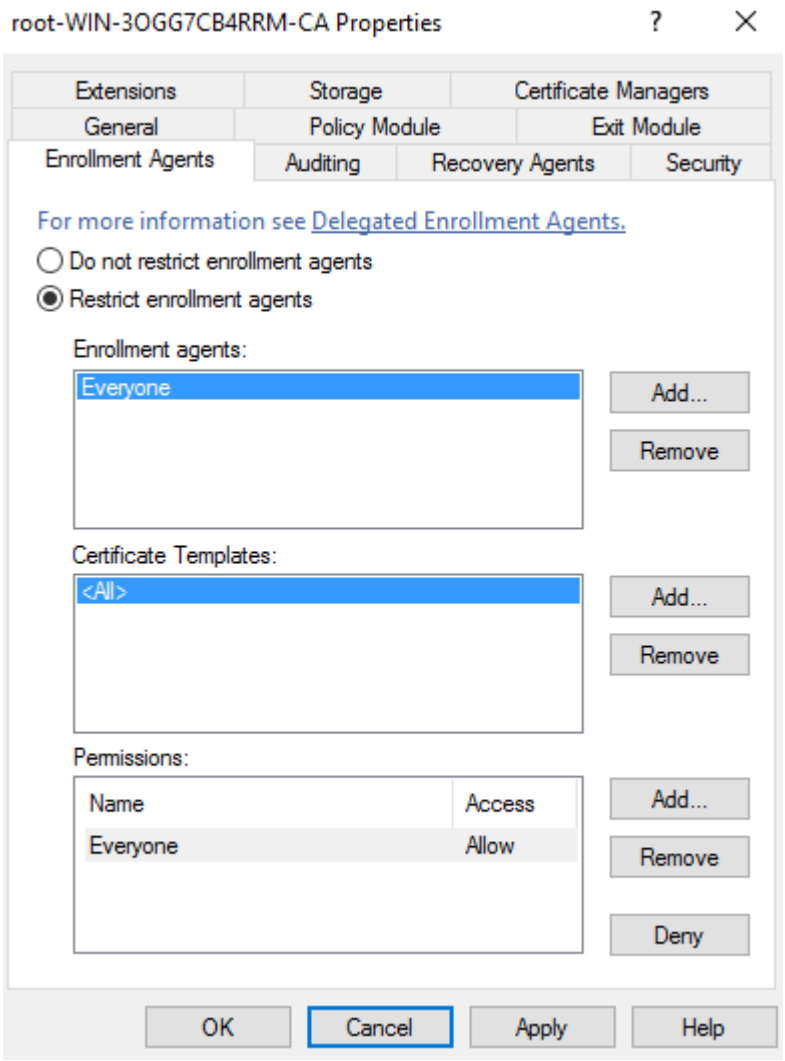
2. Run the following command: certsrv.msc

3. Customize the CA properties as explained below:

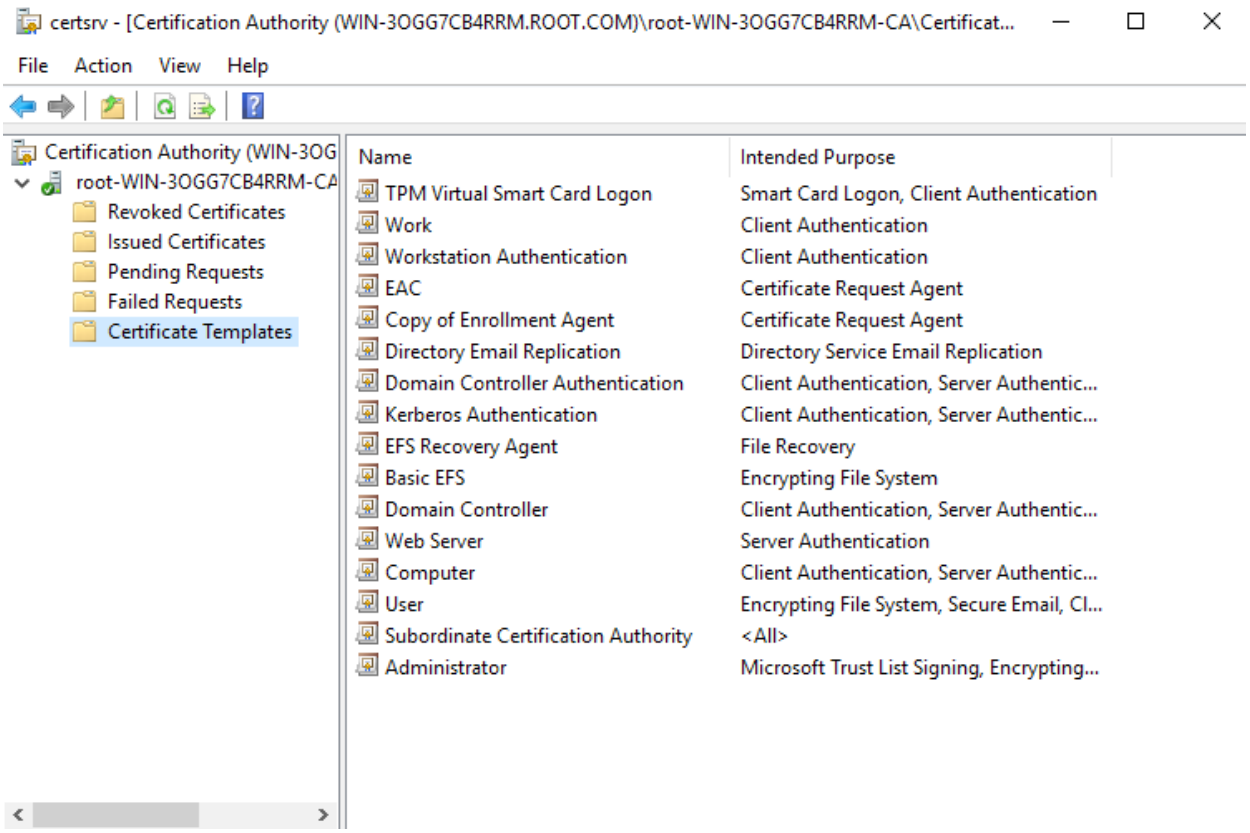
a) Right-click the CA name > 'Properties' > "Enrollment Agents" tab > Add the following properties and click 'OK' button:



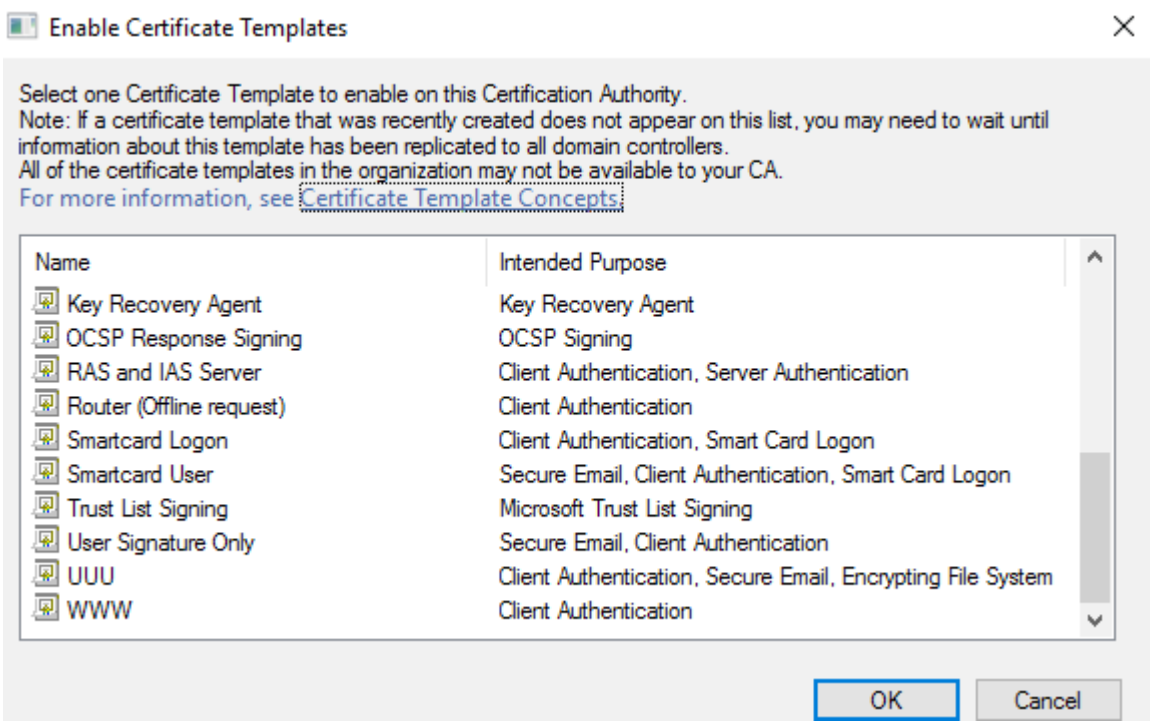
b) Double-click the CA name > Click 'Certificate Templates' :



1. Right-click within this file list area > 'New' > 'Certificate Template to Issue'



- Add the template that you modified earlier to the CA. In the example below, 'WWW' is the new template:



- Restart the CA server

Setting the 'Requester properties' for the 'Enroll-on-behalf' feature:

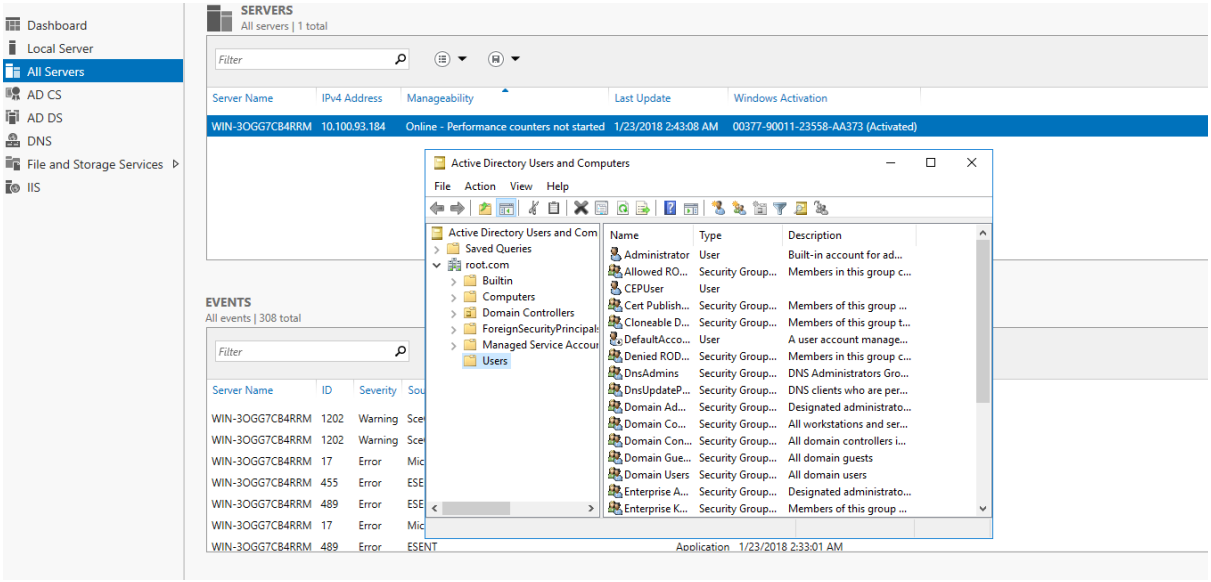
(a) Open the Server Manager

(b) Choose 'All Servers' in the left panel

(c) Right-click any CA server name and choose 'Active Directory Users and Computers'

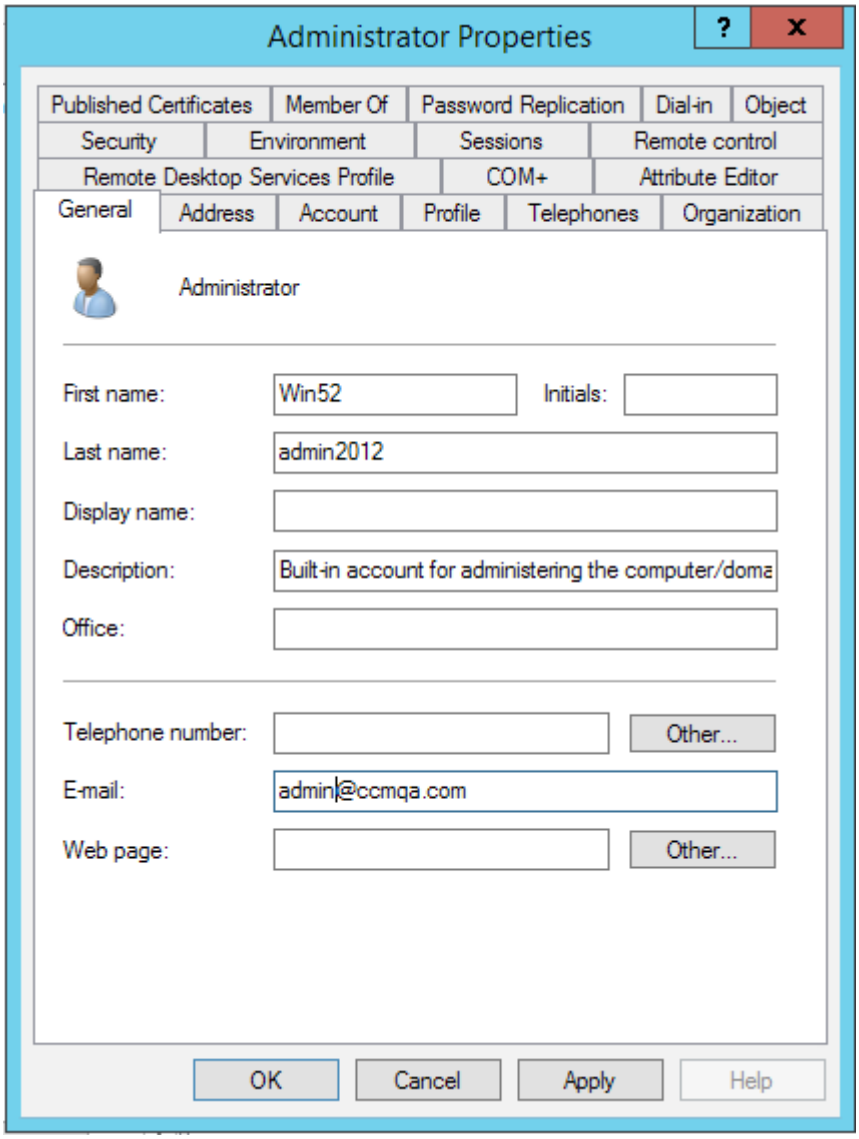
(d) Change the domain, if necessary to get the one, that matches the user which was specified as Domain Administrator during MS-Agent installation, displayed

(e) Choose 'Users' sub-menu (or the relevant organization unit) for this domain (that matches the user which was specified as Domain Administrator during MS-Agent installation):

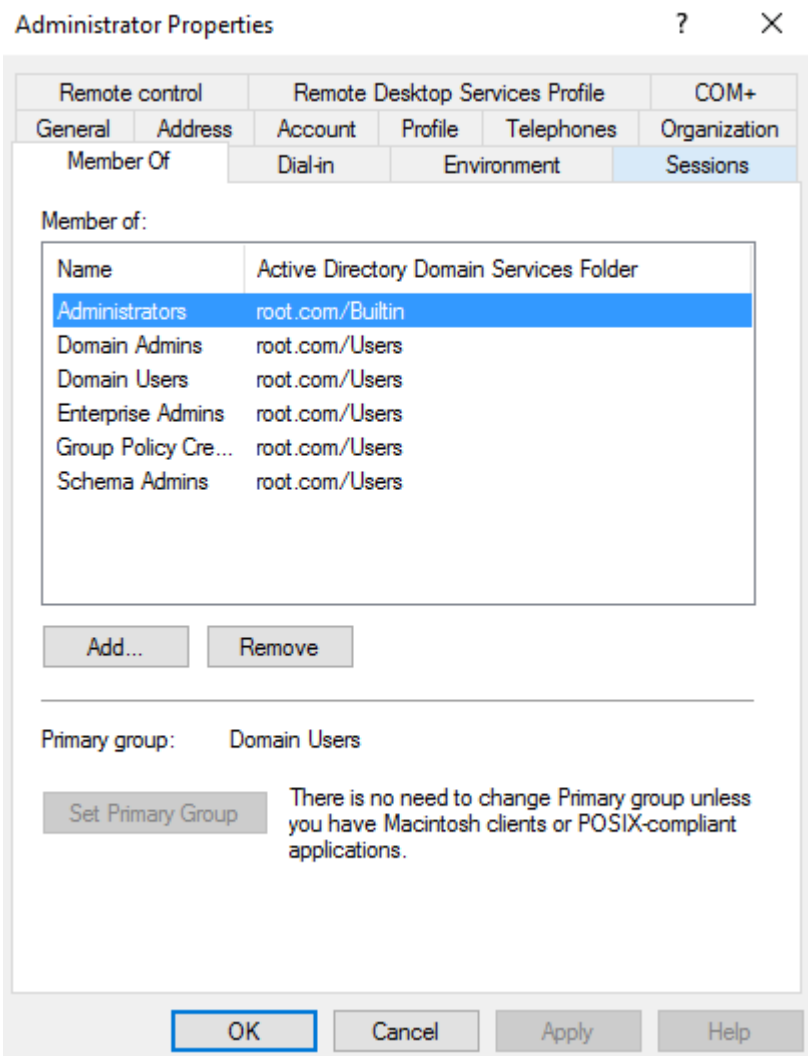


(f) Right-click Admin name, who was specified as Domain Administrator during MS-Agent installation, and who will provision the certificate requests against this certificate template > 'Properties' > Set the detailed properties as shown below :

- Mandatorily add the e-mail of this Administrator:



- Check the administrator's properties and ensure that this Admin is included in 'Domain Admins' group :



(g) Right-click Admin name who will need to request certificate against this template > 'Properties' > Mandatorily add the e-mail of this Administrator in order to populate Subject and SAN of the certificate this Admin will be enrolling for.

About Comodo CA

Comodo Certificate Authority is one of the world's largest providers of SSL certificates by volume having issued over 91 million certificates and serving over 200,000 customers across 150 countries. The company provides a full suite of certificate products spanning all validation levels for website certificates, certificates for code-signing and email-signing, and the Comodo Certificate Manager (CCM) platform. Comodo CA has its US headquarters in New Jersey and international offices in the United Kingdom, Ukraine and India.

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