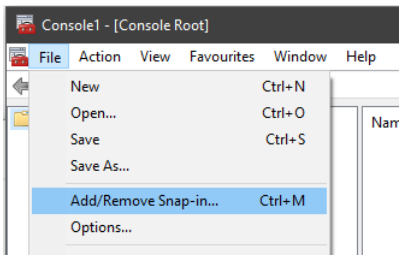
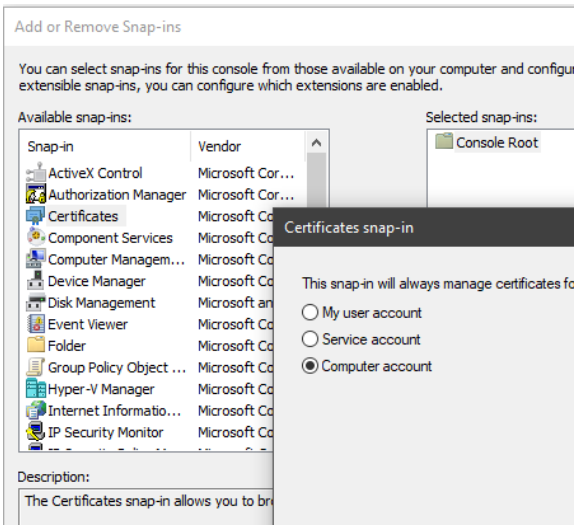
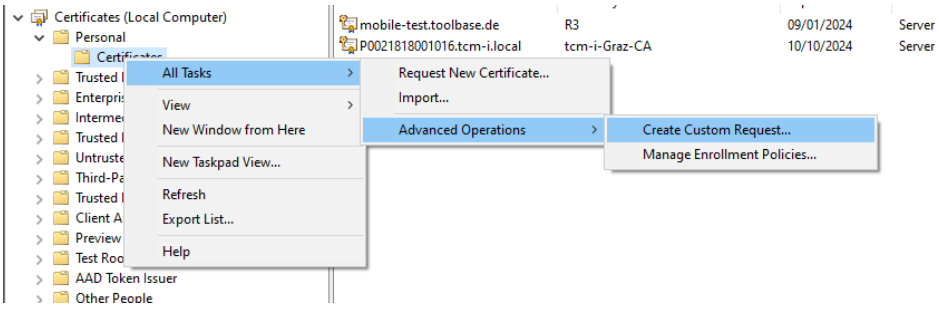
Open the Microsoft management console on the ATMS CORE NET Server

Add a Snap-in Certificate (Local Computer).

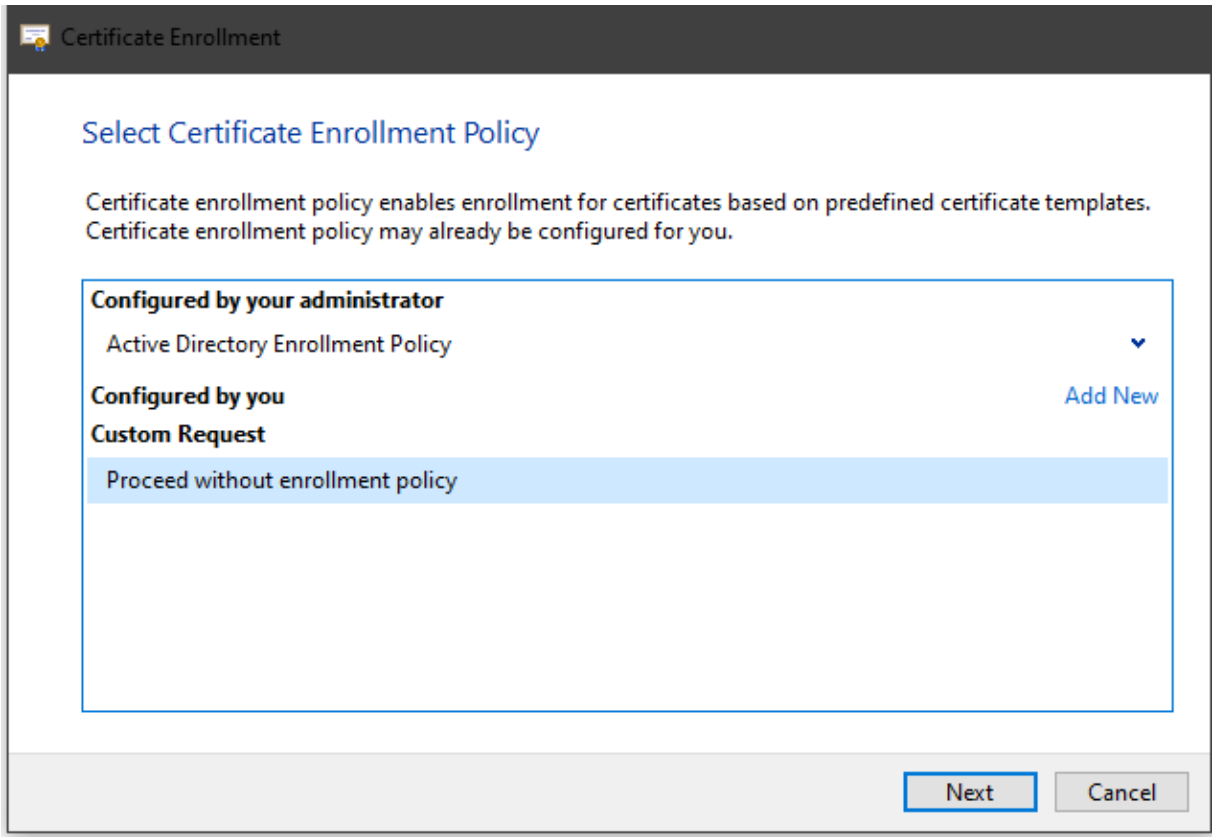




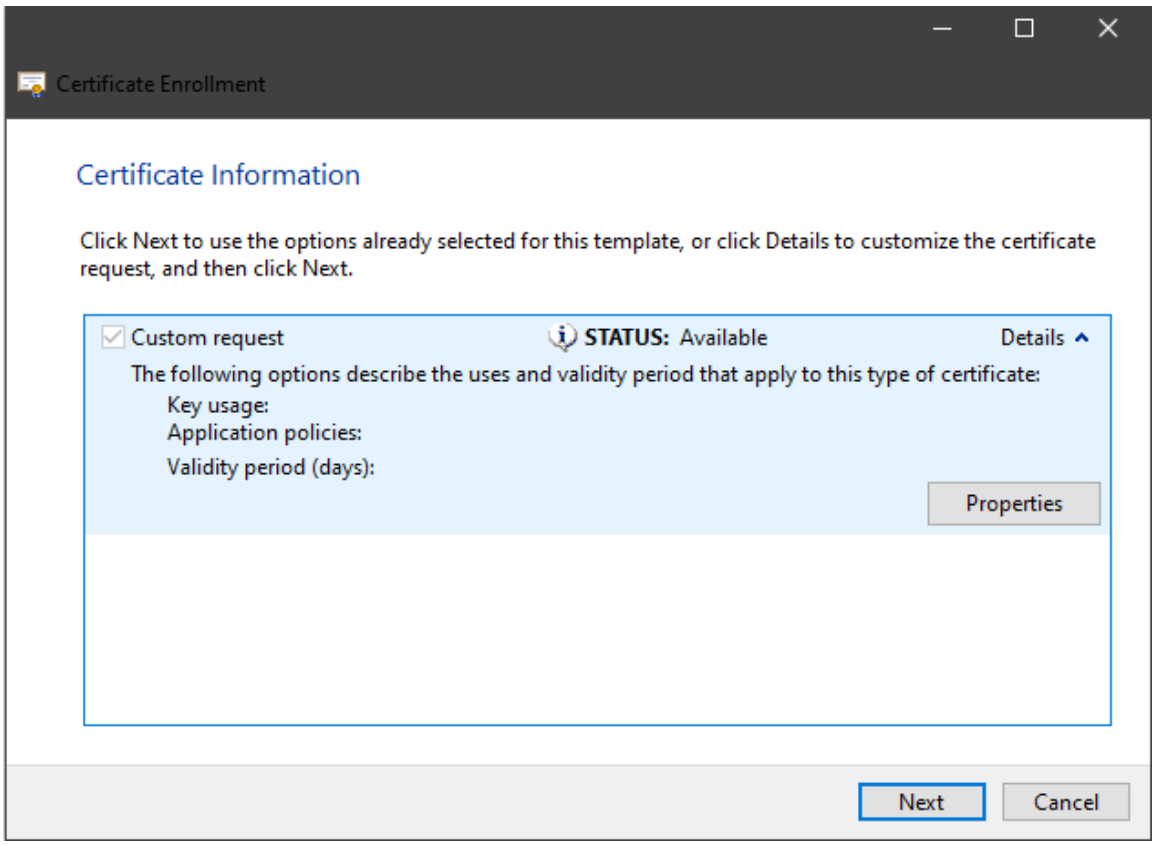
All Tasks – Advanced Operations – Create Custom Request



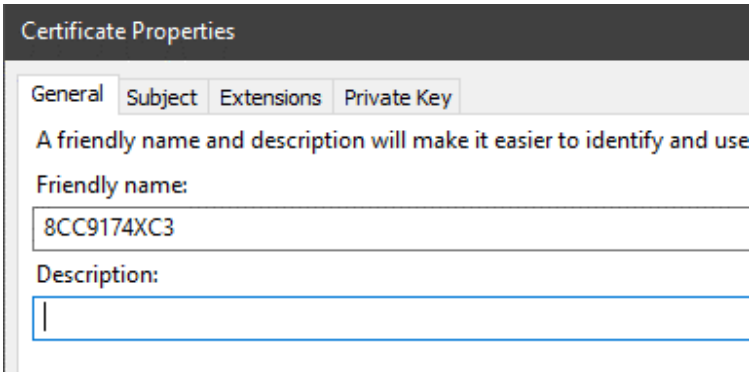
Continue without enrollment policy



Properties

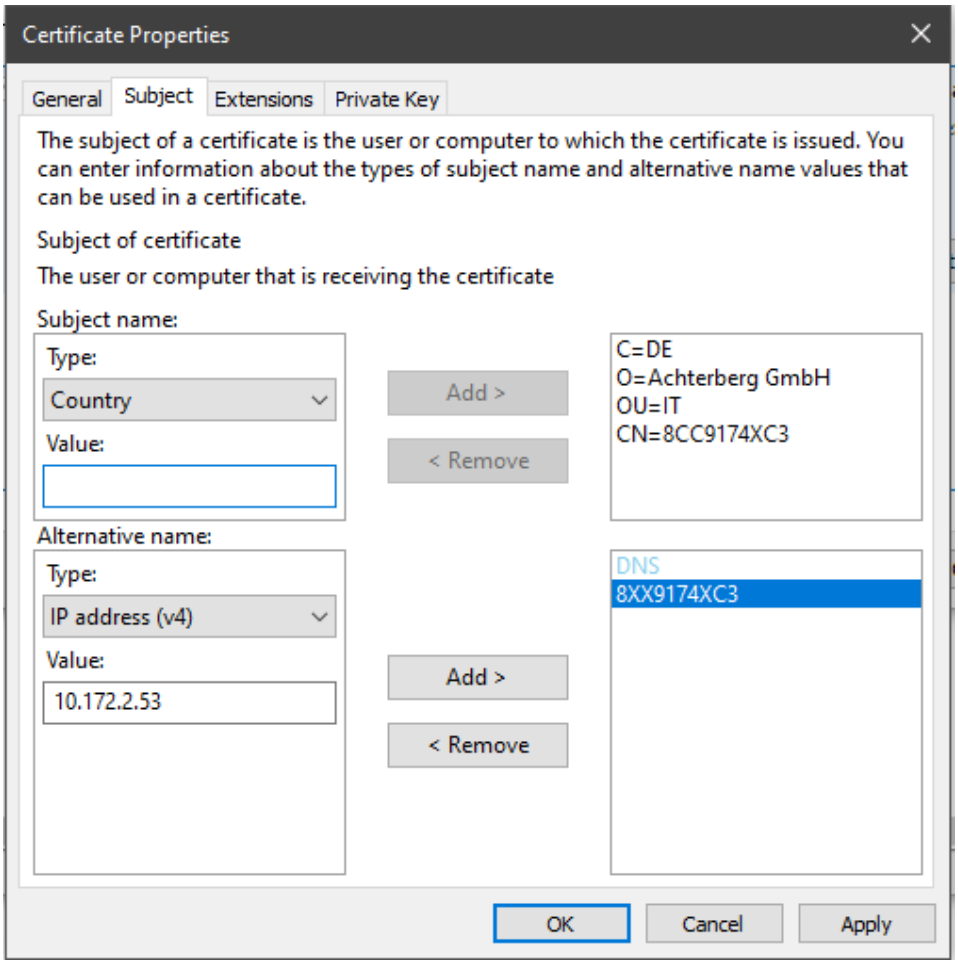

Certificate Enrollment
Certificate Information
Click Next to use the options already selected for this template, or click Details to customize the certificate request, and then click Next.
Custom request
STATUS: Available
Details
The following options describe the uses and validity period that apply to this type of certificate:
Key usage:
Application policies:
Validity period (days):
Properties
Next
Cancel

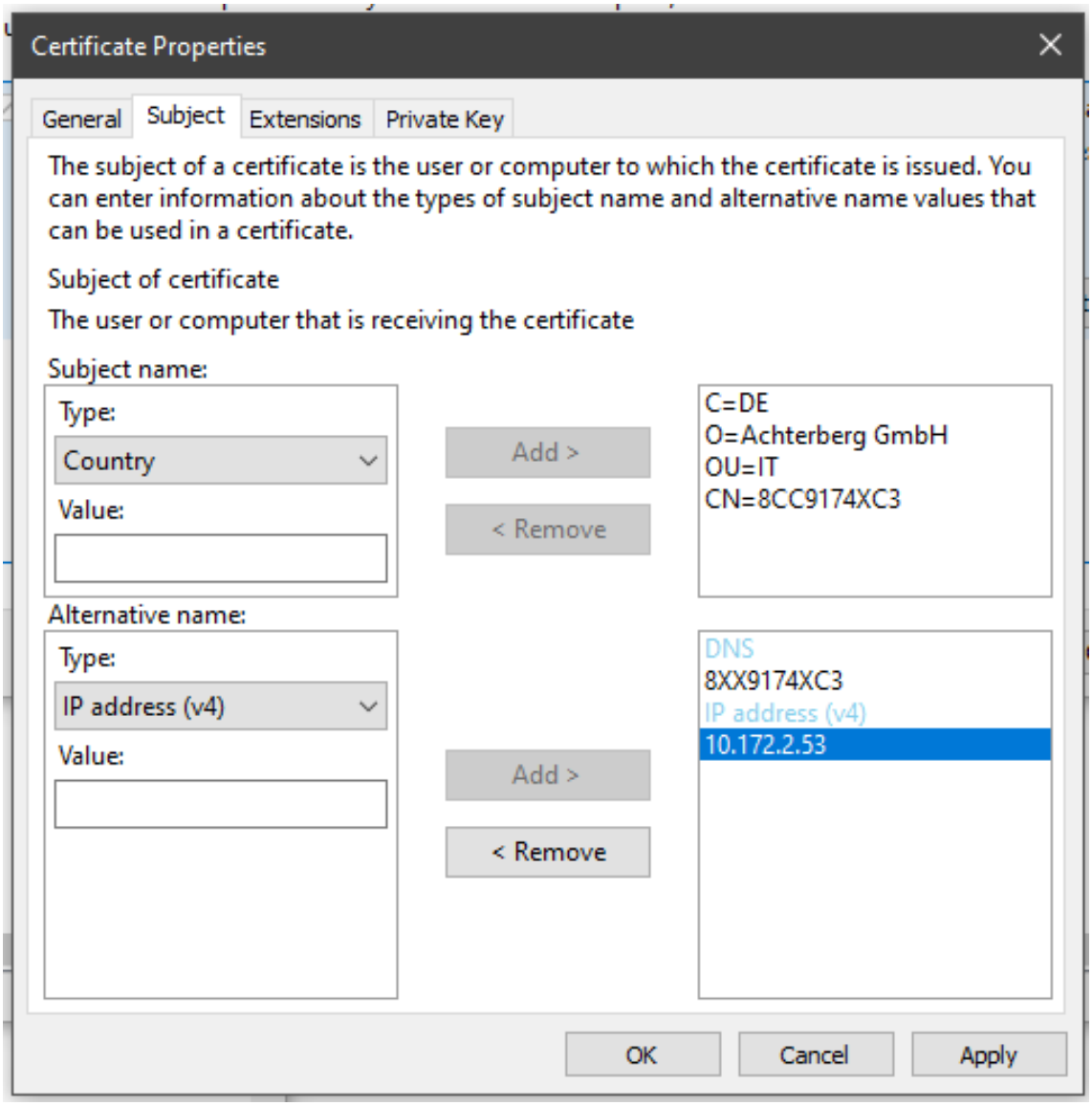
Enter the PC name



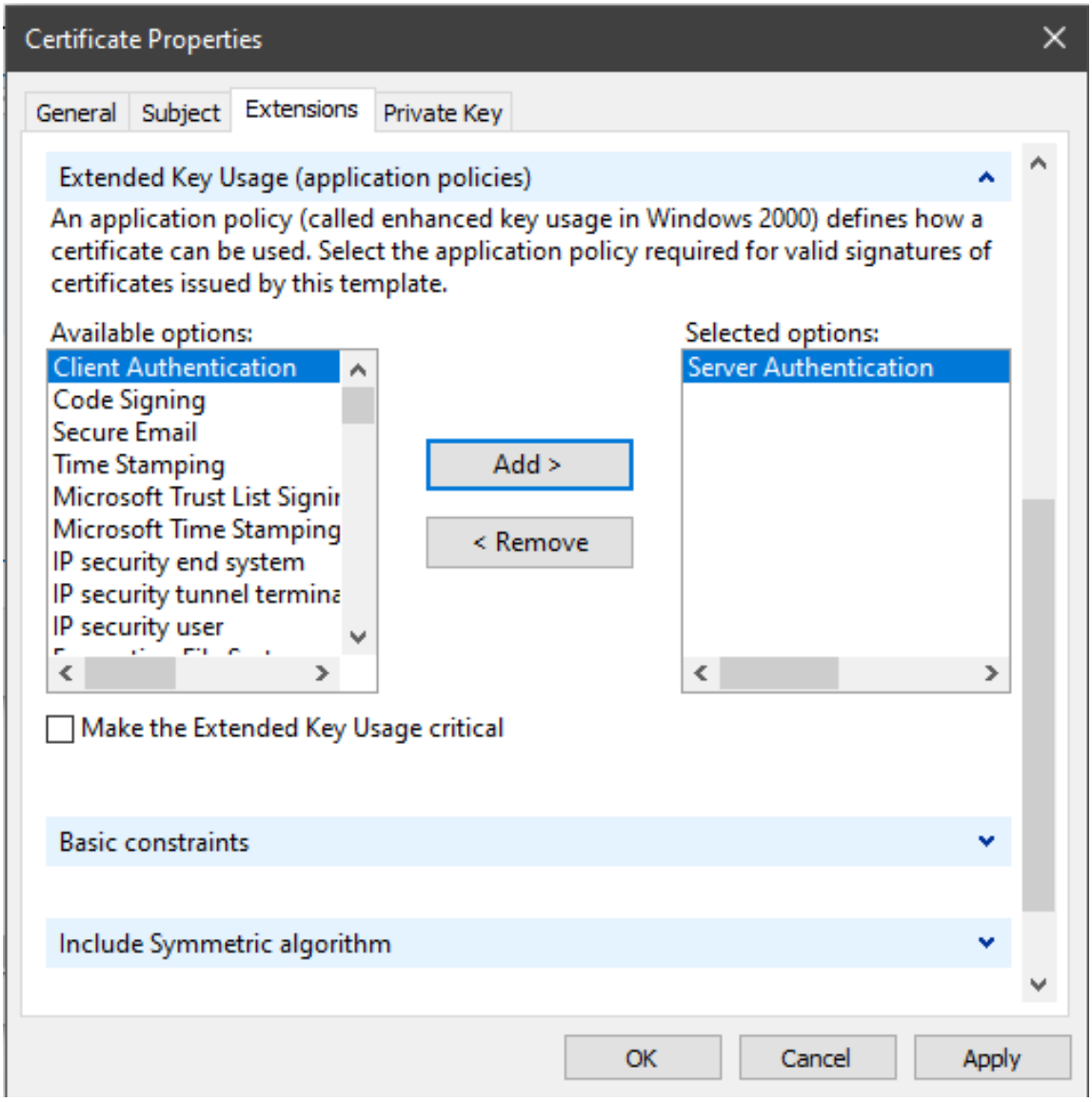
Enter Subject Information.

Especially important: Alternative name! In this case enter, Host (DNS Value) and IPv4 (IP Value).

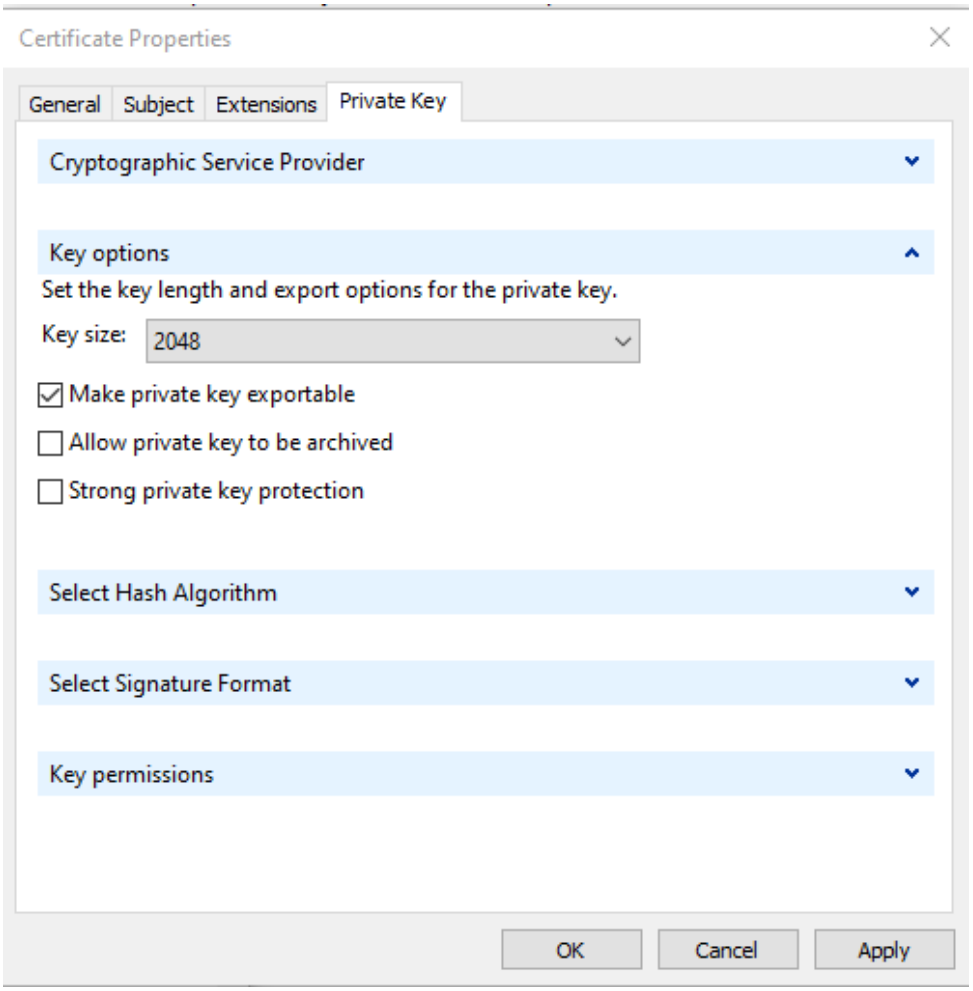



Certificate Properties
General
Subject
Extensions
Private Key
The subject of a certificate is the user or computer to which the certificate is issued. You can enter information about the types of subject name and alternative name values that can be used in a certificate.
Subject of certificate
The user or computer that is receiving the certificate
Subject name:
Type:
Country
Value:
Add >
< Remove
C=DE
O=Achterberg GmbH
OU=IT
CN=8CC9174XC3
Alternative name:
Type:
IP address (v4)
Value:
Add >
< Remove
DNS
8XX9174XC3
IP address (v4)
10.172.2.53
OK
Cancel
Apply

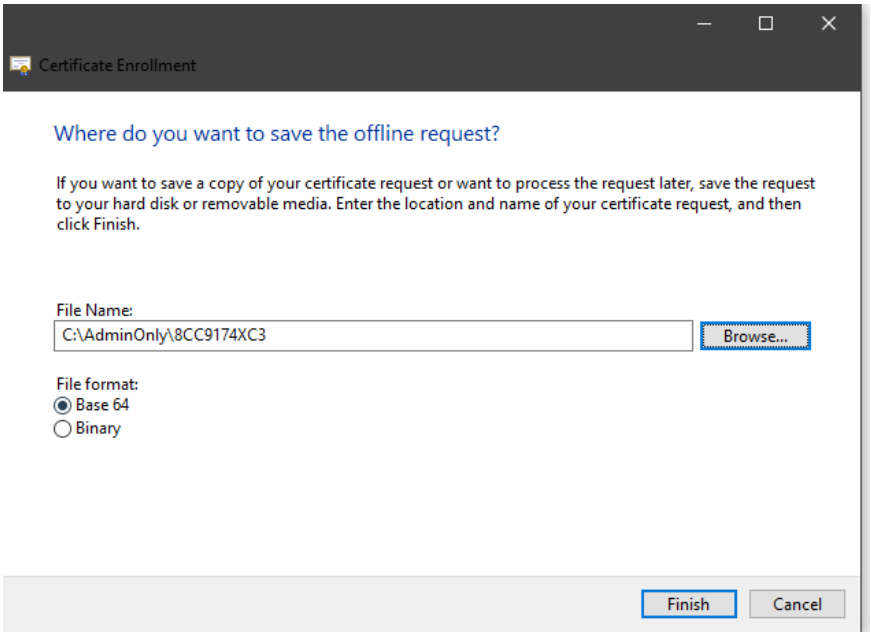
Extensions – Extended Key Usage – Server Authentication



Private Key – make exportable (allows the transfer of the key) Key size at least 2048.



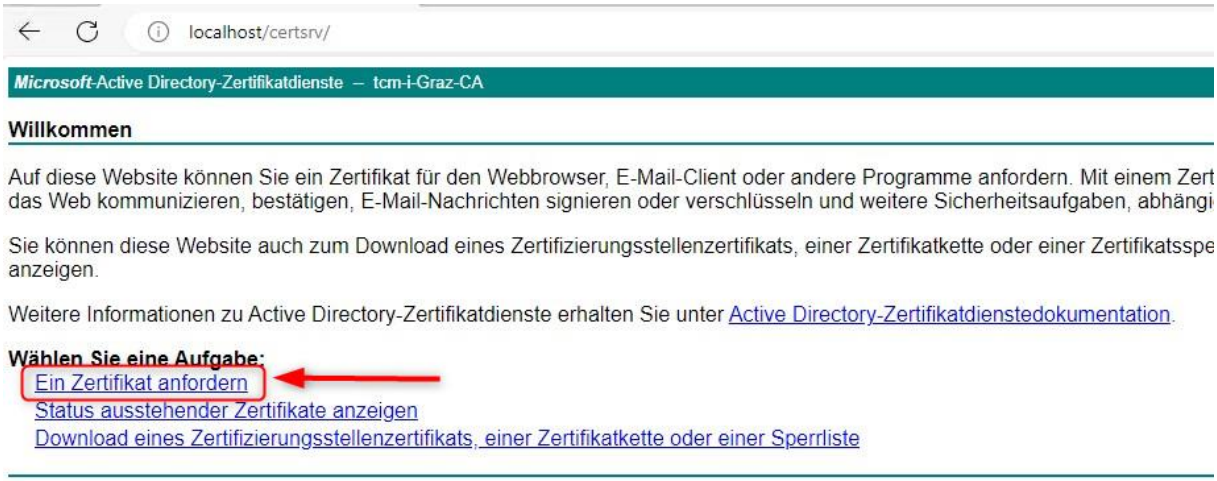
Save the properties.


Certificate Enrollment
Where do you want to save the offline request?
If you want to save a copy of your certificate request or want to process the request later, save the request to your hard disk or removable media. Enter the location and name of your certificate request, and then click Finish.
File Name:
C:\AdminOnly\8CC9174XC3
Browse...
File format:
Base 64
Binary
Finish
Cancel

Open the file with notepad and copy the text.

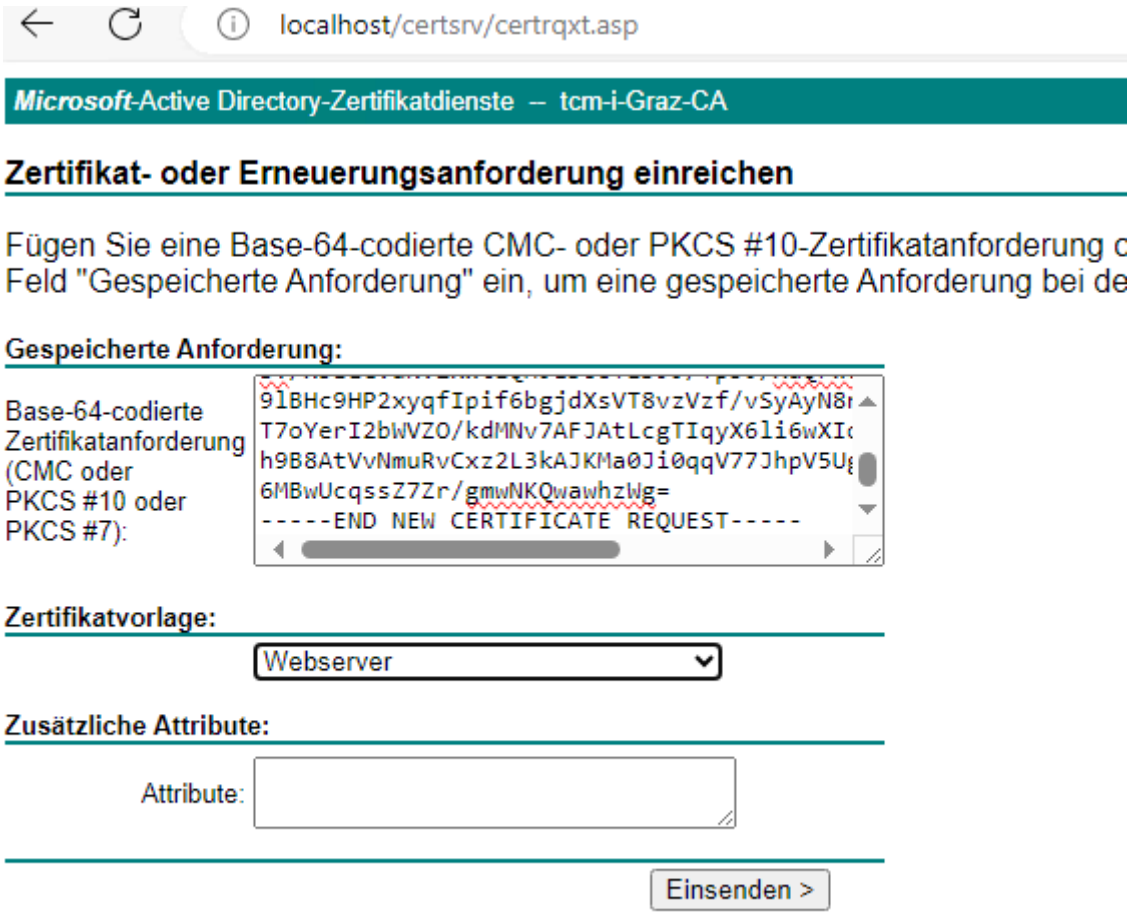
```
-----BEGIN NEW CERTIFICATE REQUEST-----
MIID4TCCAskCAQAwSTETMBEGA1UEAwwKOENDOTE3NFhDMzELMAkGA1UECwwCSVQx
GDAWBgNVBAoMD0FjaHRlcmJlcmcgR2liSDELMAkGA1UEBhMCREUwggEiMA0GCSqG
SIb3DQEBAQUAA4IBDwAwggEKAoIBAQCi+TJ+JojC+aF3uX4yYw8UqRmj3LbNGe+l
93Dk8OPIXSOSCLnOUjC6+ApPRu4NM6xMB3jnqj7zBleKPwXov003mza0PIGWF/hH
760qwFr02eaHnoU8/Fuu+zCtvFq2XSnhN4vh6AjduNuALvrHa3g4eTNT/GwQKW7Q
5OV6pkUJV9eMsNOTxx2llJQ/dj4qMh4UsthgwwRwhurI//lcN04DJ0SmgiAmn95C
JCVa28ajqmbzjrZwr8uVvbo7qM+Z+ijIUny8PlAS7XD/qdWuQohB5i2fRqtAiI7h
5P+xZ3SkwgKNHLefAGRmyNqJ5uF8u5TpRbUh3lhhgyl0tn+vRjQtAgMBAAGgggFR
MBwGCisGAQQBgjcNAgMxDhYMMTAuMC4xOTA0NS4yMEoGCSsGAQQBgjcVFDE9MDsC
AQUMGlAwMDIxODE4MDAxMDE2LnRjbSlpLmxvY2FsDBFUQ00tSVxrc29tbWVyZmVs
ZAwHTUlDLkVYRTBmBgorBgEEAYI3DQICMVgwVgIBAB5OAE0AaQBjAHIAbwBzAG8A
ZgB0ACAAUwBvAGYAdAB3AGEAcgBlACAASwBlAHkAIABTAHQAbwByAGEAZwBlACAA
UAByAG8AdgBpAGQAZQByAwEAMH0GCSqGSIb3DQEJDjFwMG4wGwYDVR0RBBQwEoIK
OFhYOTE3NFhDM4cECqwCNTATBgNVHSUEDDAKBggrBgEFBQcDATAbBgkrBgEEAYI3
FQoEDjAMMAoGCCsGAQUFBwMBMB0GA1UdDgQWBBSE1T9tQihsRj+o6MgsCx37ux4p
5DANBgkqhkiG9w0BAQsFAAOCAQEAEDPaARLdQunliijR2SlmTAgzEcMxpvCeIe6+
3eQMeEdg0dpgjvF5jkiVFkdlxUHWslclHhZiTPOinj6PXkC5KOe2HMCW9Zu5WNSI
blczlMXPONputOLOorsVlojxwSomB9Pl2yladWRoqgkdkmjO3f9EnQmZ7UfTv3BE
LNfzAsBwQ4NcNvwIbo89qjUqneiGnlPH6VHKcDwoE7Q/Z688copsA5DIJeAzapKc
Q/4XpL2w5RfLURRCn0pdqBazb2WjNpSJtj5mmB4GPdZa+wByyt/88VQ0PBI7SzT+
qA6DQAXHamKfF/MVudolwG8RZTs3/oqdyuR7B0Jkdmv68GW2CA==
-----END NEW CERTIFICATE REQUEST-----

```

Open the web application with a browser on the certification authority server.



Paste text from clipboard into the saved request field.

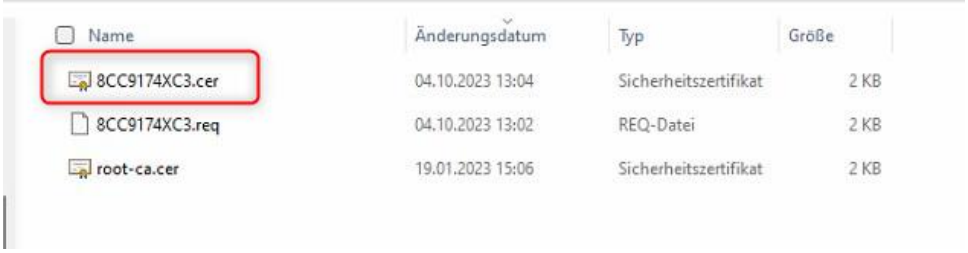
Chose „Web Server“



Send in.

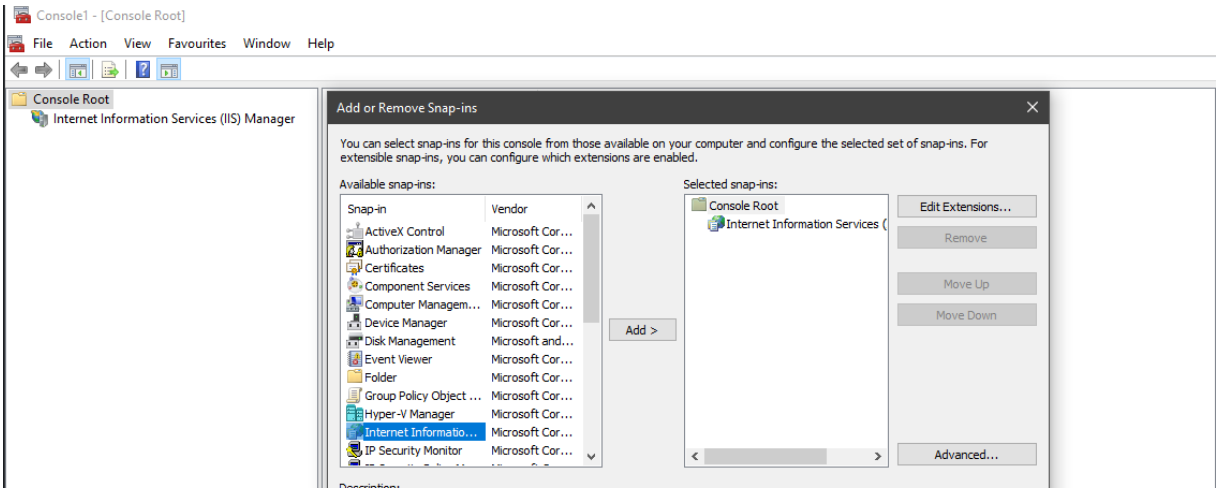
Download the certificate. Recommended as Base 64 coded.

Transfer the .cer file to the ATMS CORE NET Server.

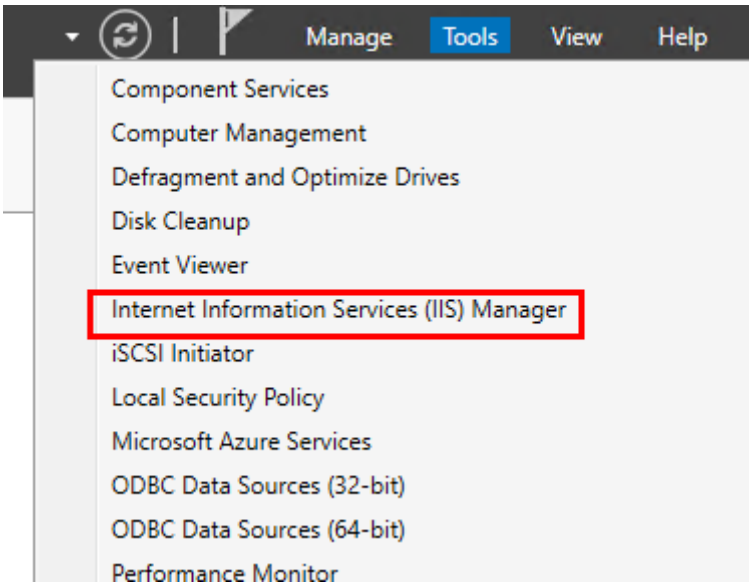


Client Operating System:

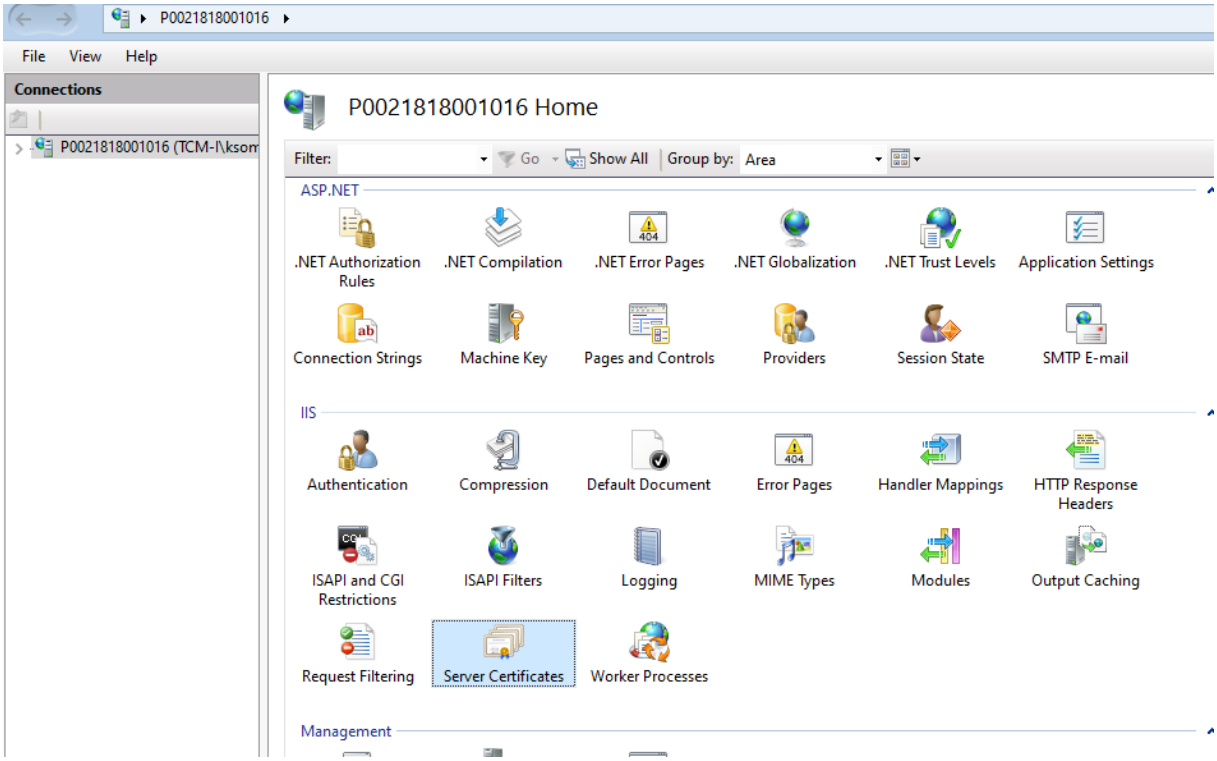
Add IIS administration snap-in to mmc.



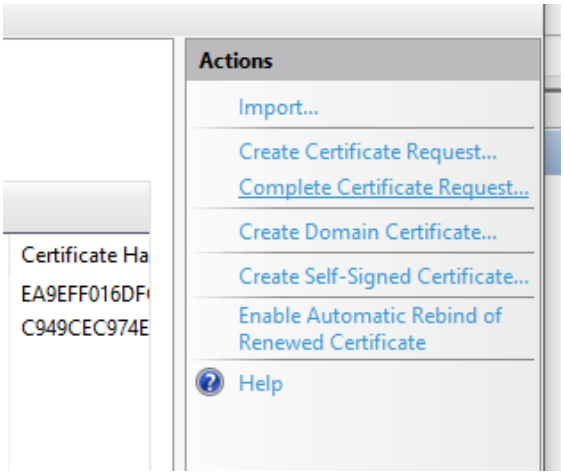
Server Operating System: Open this entry in the server manager.

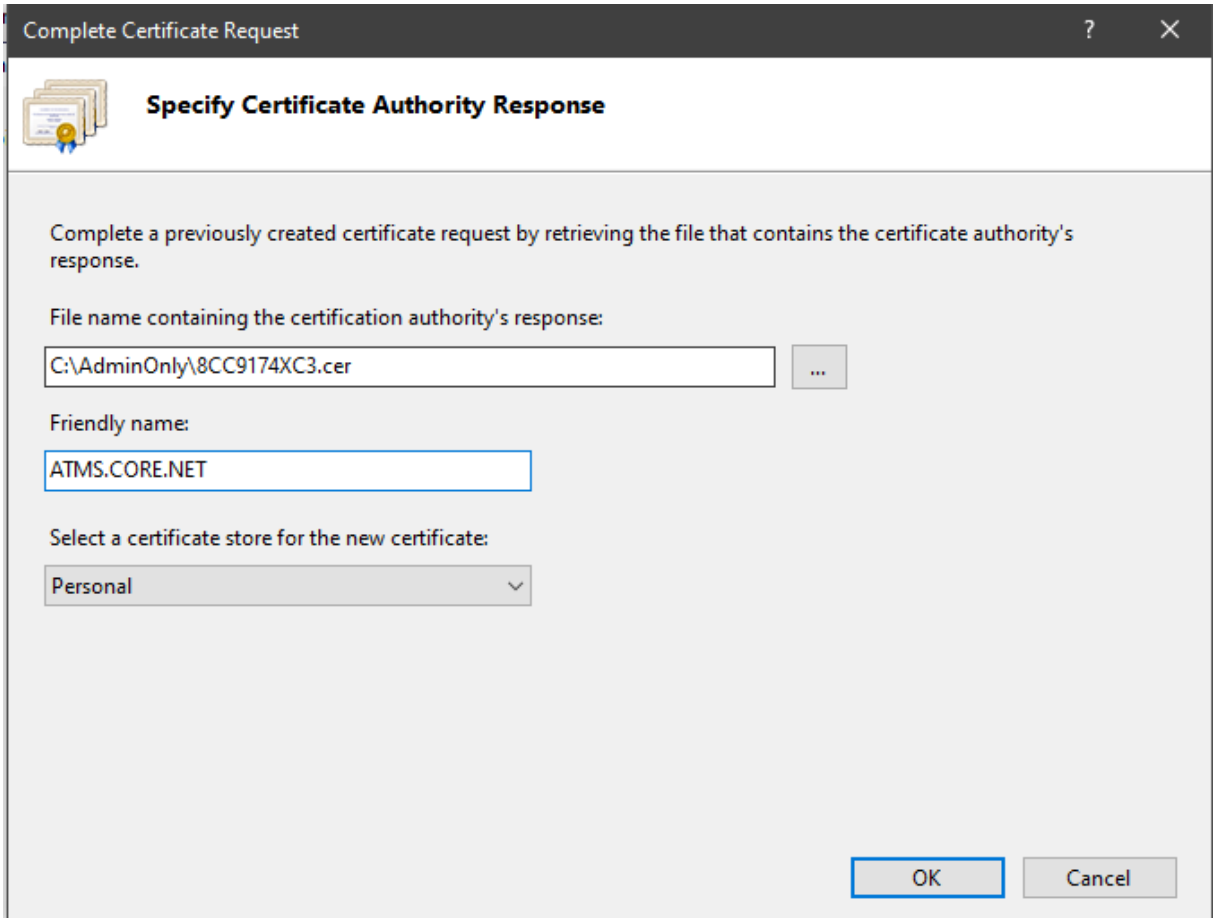


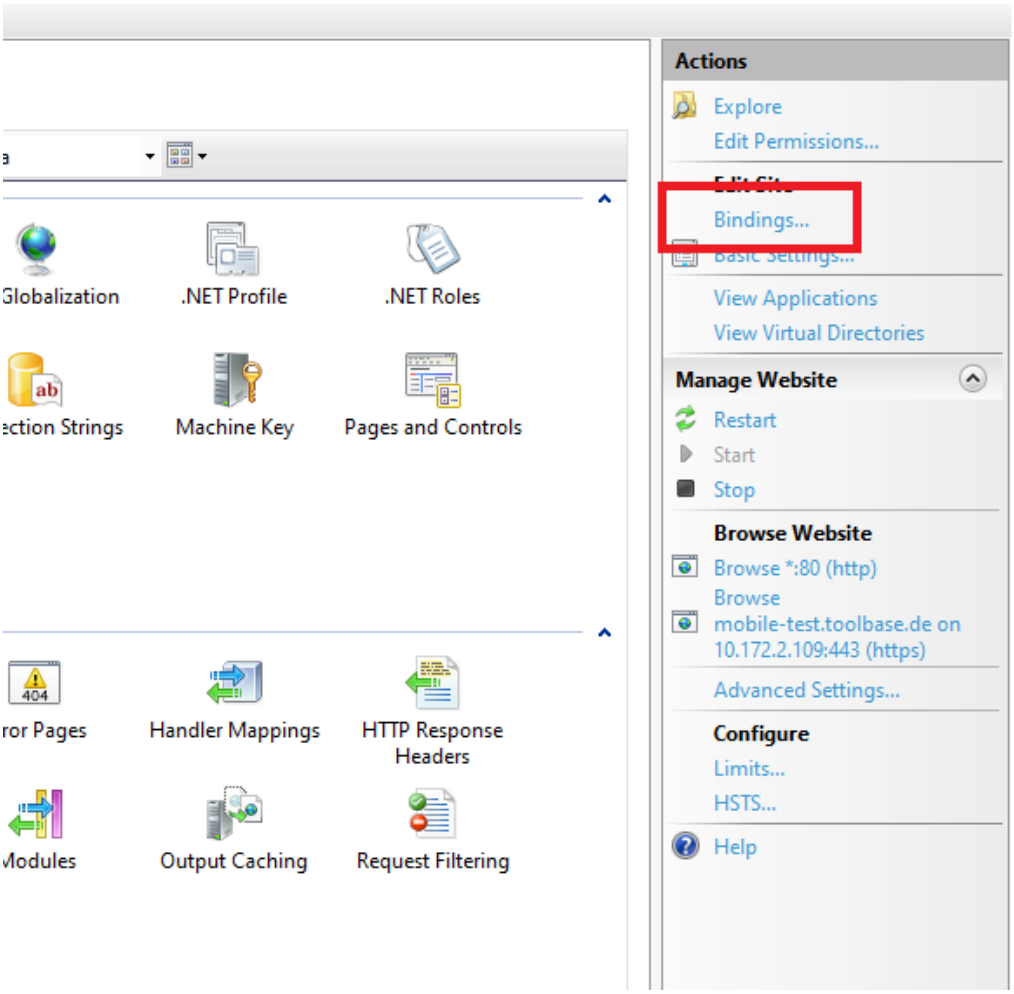
Open Server certificates

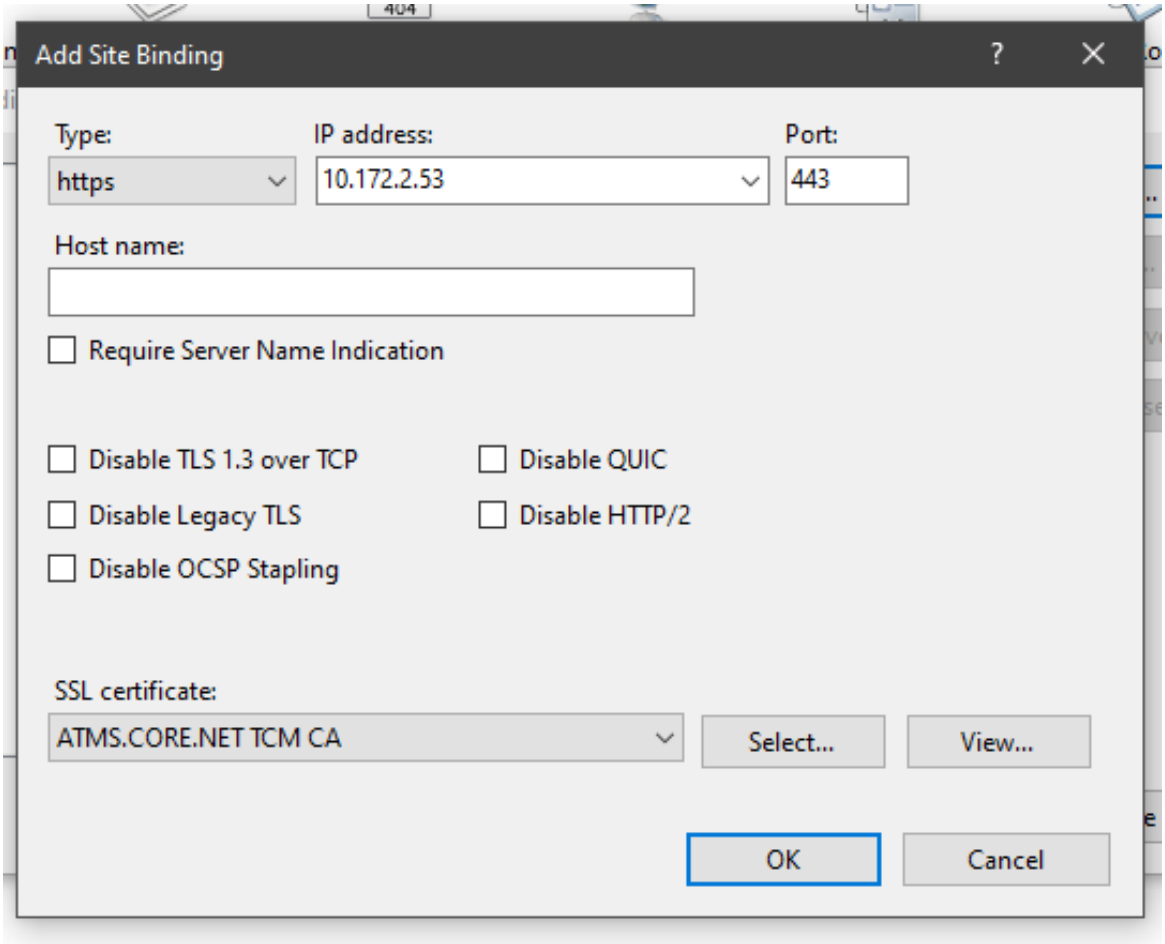


Complete Certificate Request…



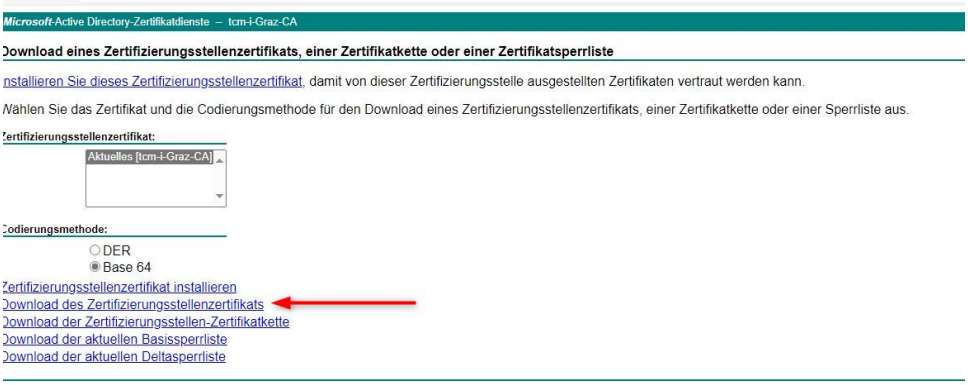

Complete Certificate Request
Specify Certificate Authority Response
Complete a previously created certificate request by retrieving the file that contains the certificate authority's response.
File name containing the certification authority's response:
C:\AdminOnly\8CC9174XC3.cer
...
Friendly name:
ATMS.CORE.NET
Select a certificate store for the new certificate:
Personal
OK
Cancel


Globalization
.NET Profile
.NET Roles
ection Strings
Machine Key
Pages and Controls
ror Pages
Handler Mappings
HTTP Response Headers
Modules
Output Caching
Request Filtering
Actions
Explore
Edit Permissions...
Bindings...
View Applications
View Virtual Directories
Manage Website
Restart
Start
Stop
Browse Website
Browse *:80 (http)
Browse mobile-test.toolbase.de on 10.172.2.109:443 (https)
Advanced Settings...
Configure
Limits...
HSTS...
Help


Add Site Binding
Type:
https
IP address:
10.172.2.53
Port:
443
Host name:
Require Server Name Indication
Disable TLS 1.3 over TCP
Disable QUIC
Disable Legacy TLS
Disable HTTP/2
Disable OCSP Stapling
SSL certificate:
ATMS.CORE.NET TCM CA
Select...
View...
OK
Cancel

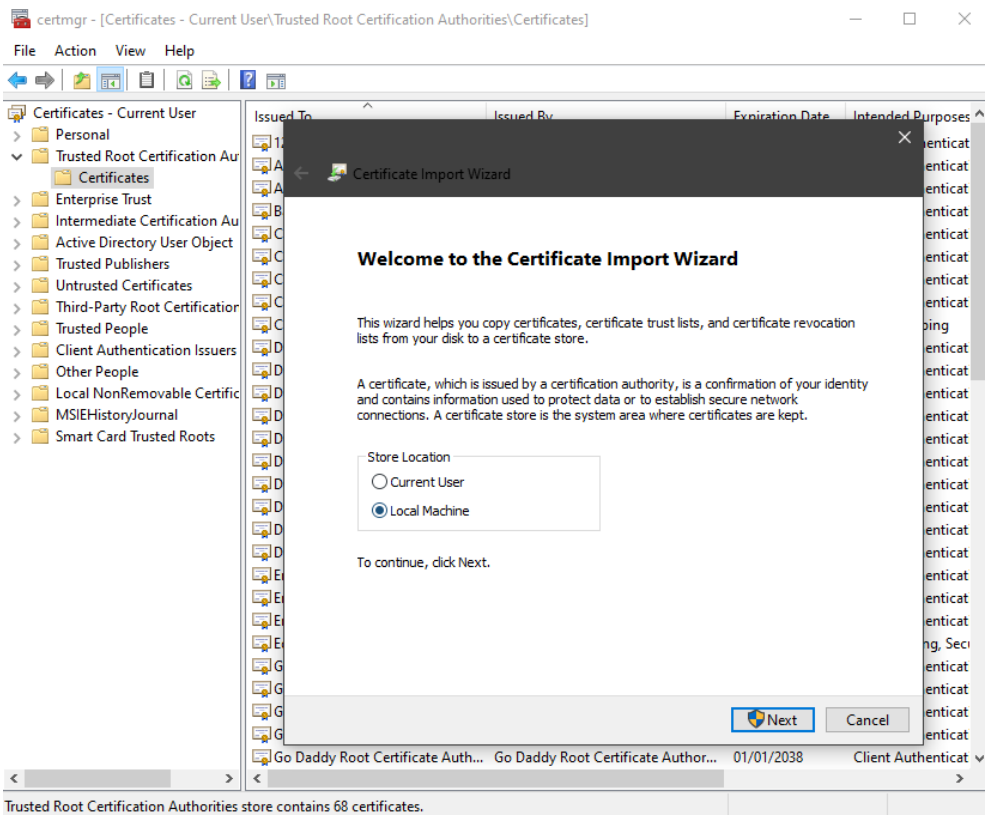
Export Root CA:

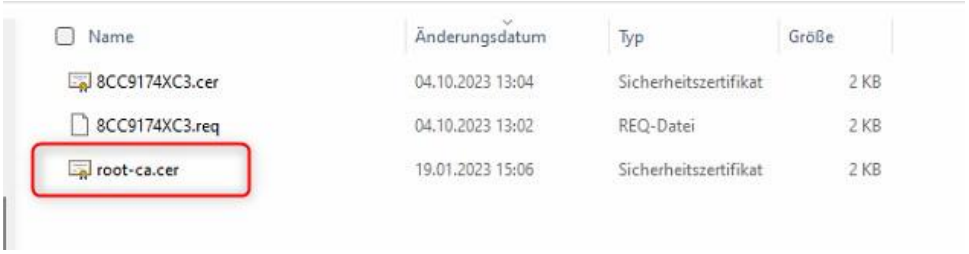
At the certification authority server with web application

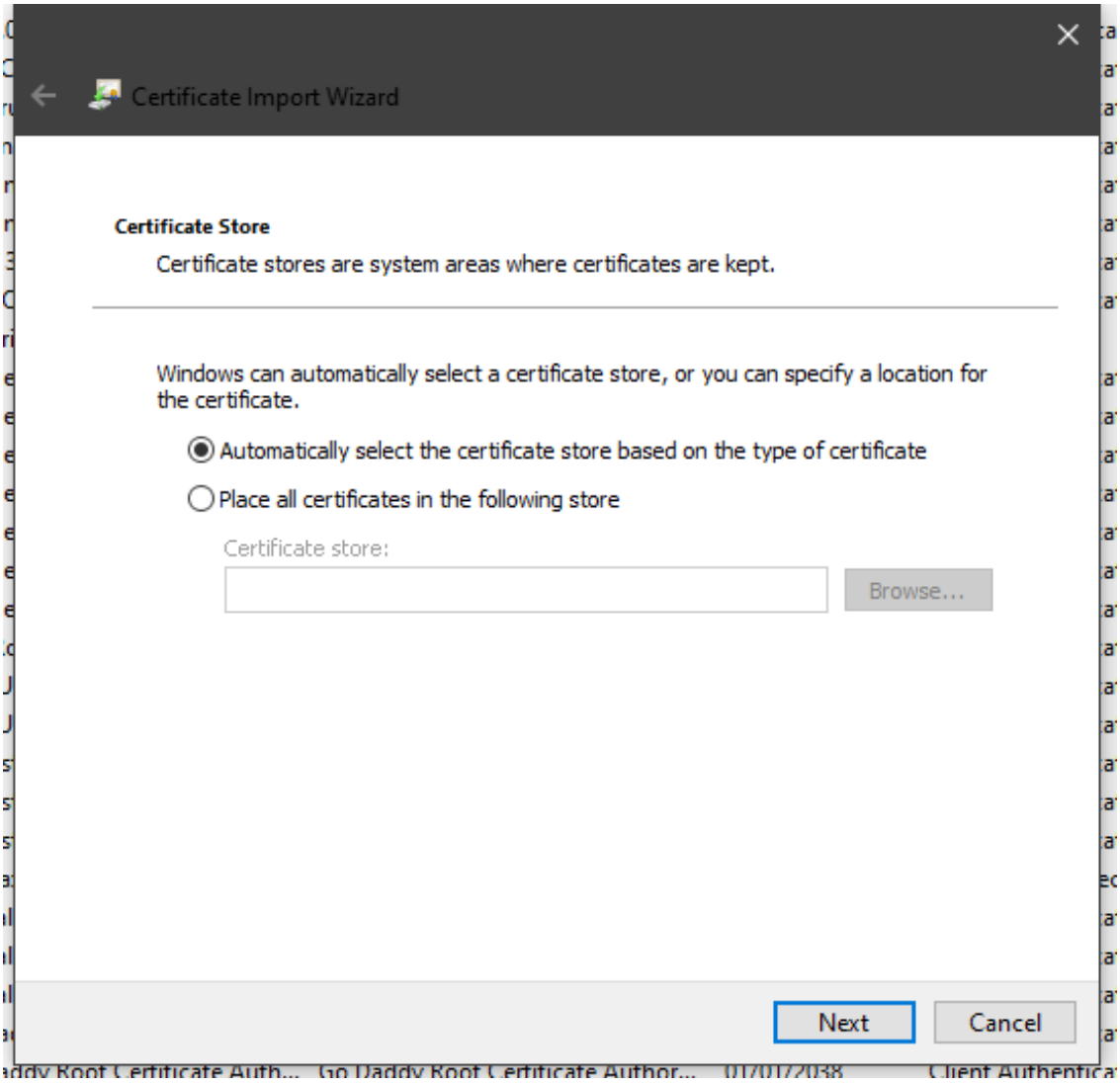


Import root CA on ATMS CORE NET Server:

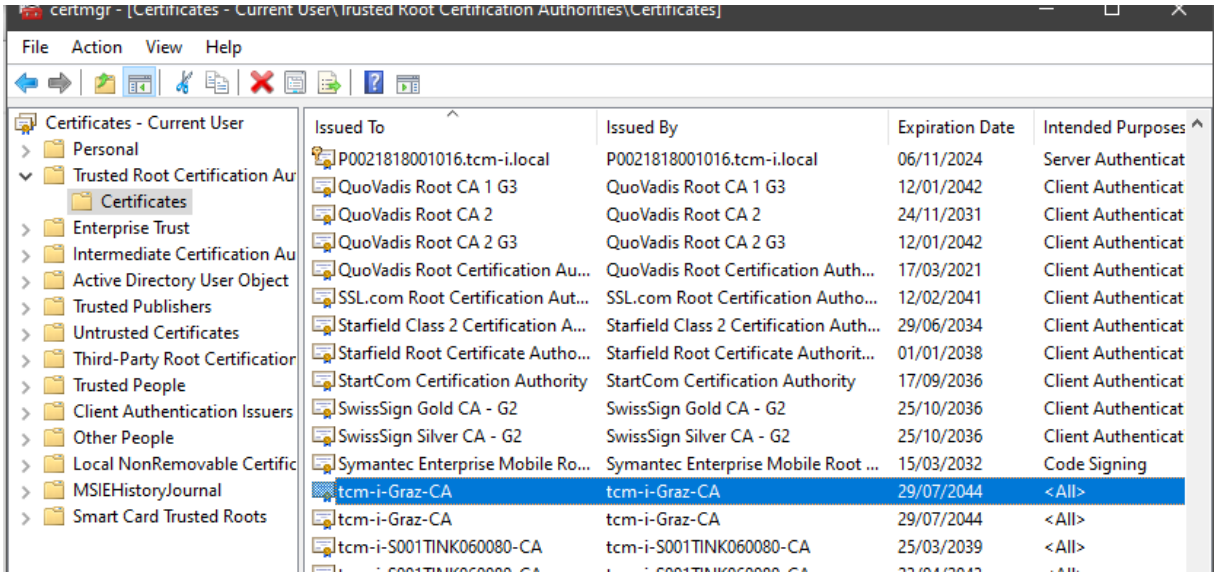
mmc Certificates (Local Computer)






Certificate Import Wizard
Certificate Store
Certificate stores are system areas where certificates are kept.
Windows can automatically select a certificate store, or you can specify a location for the certificate.
Automatically select the certificate store based on the type of certificate
Place all certificates in the following store
Certificate store:
Browse...
Next
Cancel

Check if the import was successful.



Test the Website on the ATMS CORE NET Server:

There mustn't be a warning.