

How to Create Your Own Certificate to Sign AutoCAD OEM

For building AutoCAD OEM product, it is required to sign OEM bits with a digital certificate.

We highly recommend to purchase a commercial digital certificate for signing OEM built MSI.

However for testing on development machine, you can create your own Digital Certificate.

Launch Visual Studio 2022 Developer Command Prompt with administrator privileges.

1. Check if certutils.exe and signtool.exe are available on your machine.

```
where certutil  
where signtool
```

```
mkdir %userprofile%\Documents\DigiCert  
cd %userprofile%\Documents\DigiCert  
makecert -r -sv madadn.pvk -n "CN=ADNDevtech" madadn.cer -b 05/22/2022 -e 05/21/2024  
pvk2pfx -pvk madadn.pvk -pi mypassword -spc madadn.cer -pfx madadn.pfx -po mypassword  
certutil.exe -p mypassword -importpfx madadn.pfx  
signtool sign /f madadn.pfx /p mypassword /fd sha1 /tr http://timestamp.digicert.com  
Hello.exe
```

Note:

- ADNDevtech is command name that attributes to your product or organisation name.
- madadn.cer is the name of desired certificate to be created.
- `certutil.exe` learn more about [certutil](#) | [Microsoft Learn](#)
- `signtool.exe` learn more about [SignTool.exe \(Sign Tool\) - .NET Framework](#) | [Microsoft Learn](#)

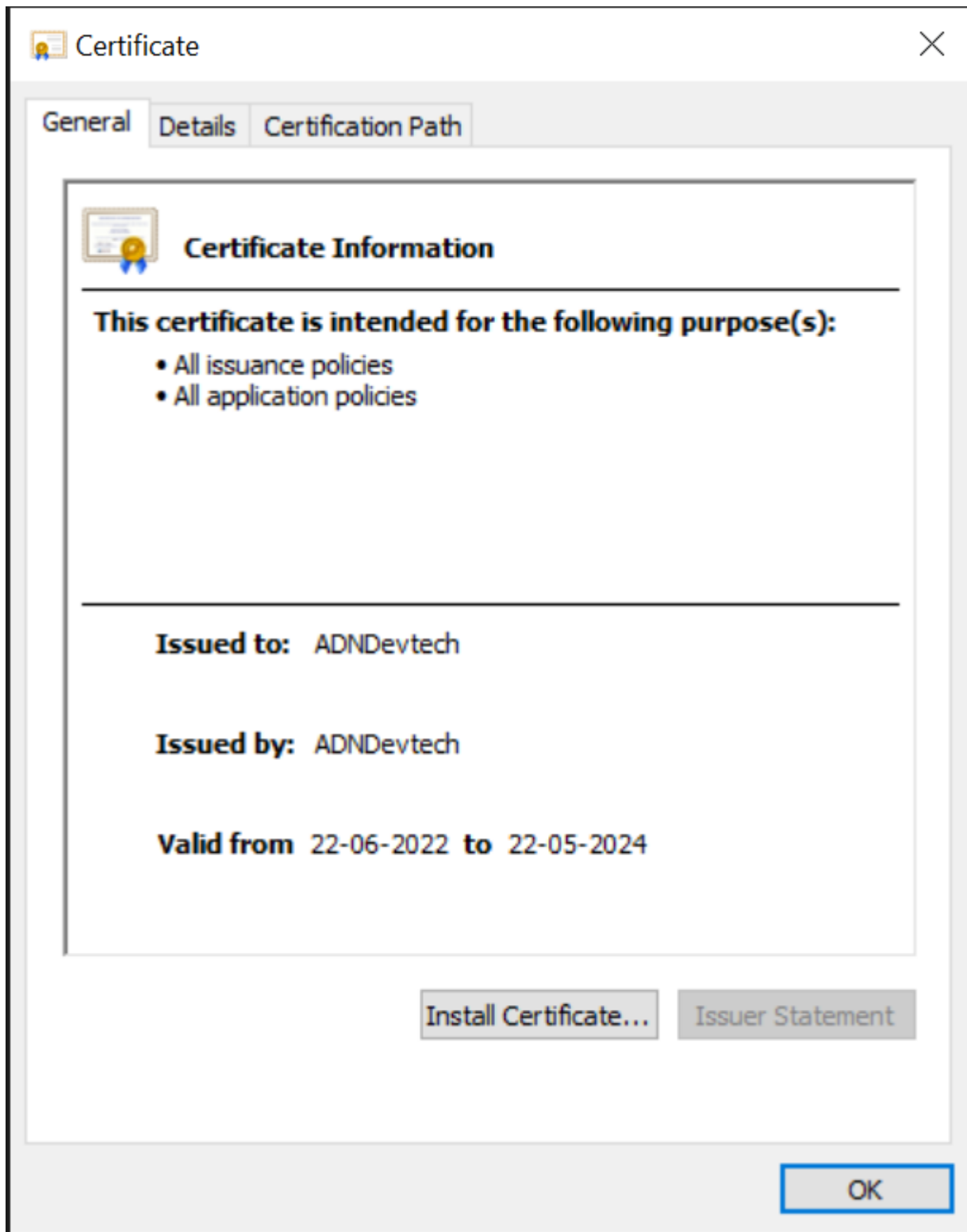
After signing the MSI and other OEM custom modules with the digital signature created in the above steps, it is now important to enable the certificate as trusted on the target machine

Target machine: A testing or end-user machine that will install your OEM product setup created from the Installer Wizard.

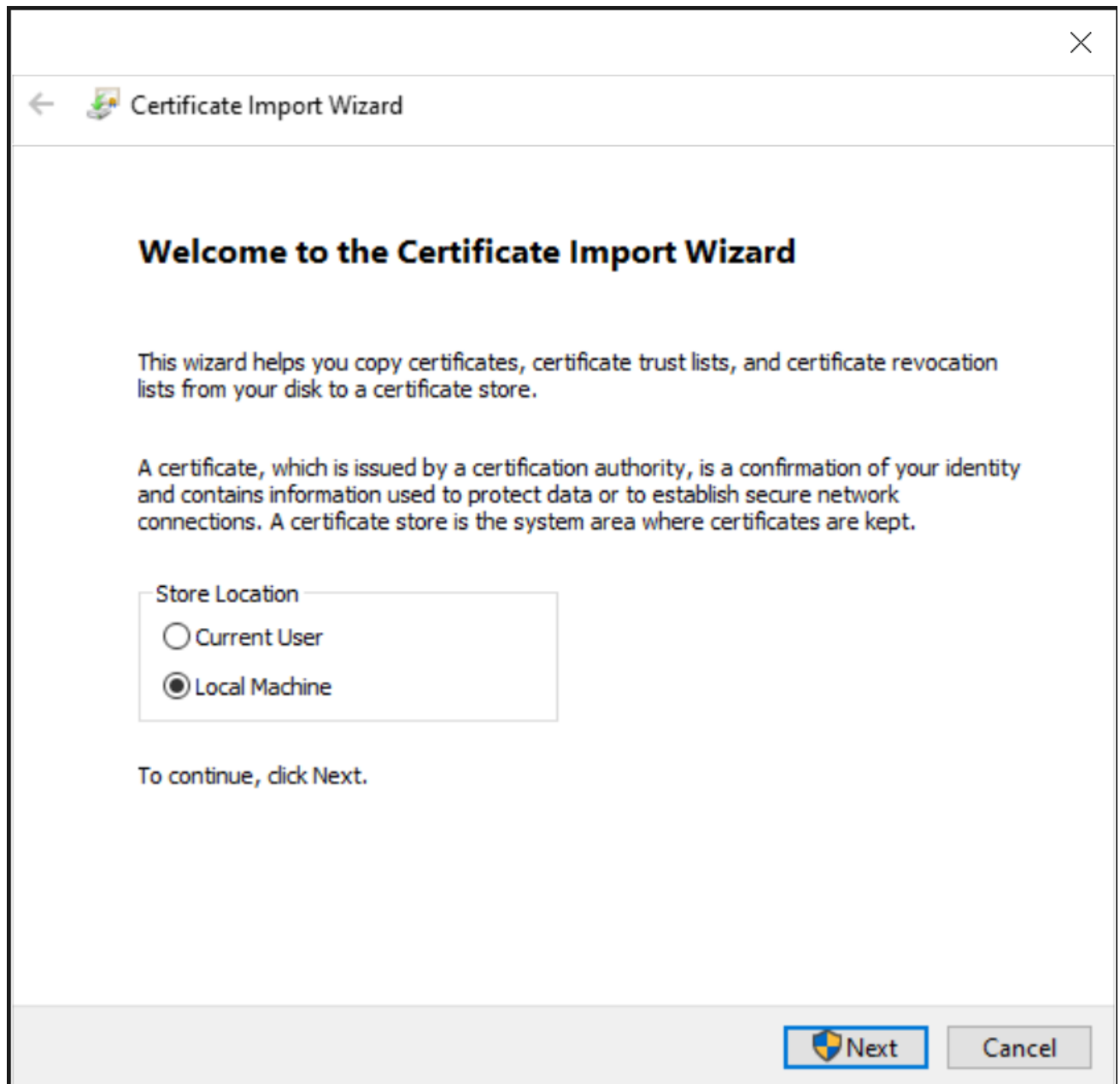
Install self-signed Certificate as Trusted on Target Machine

- Double Click on cer, ex: madadn.cer

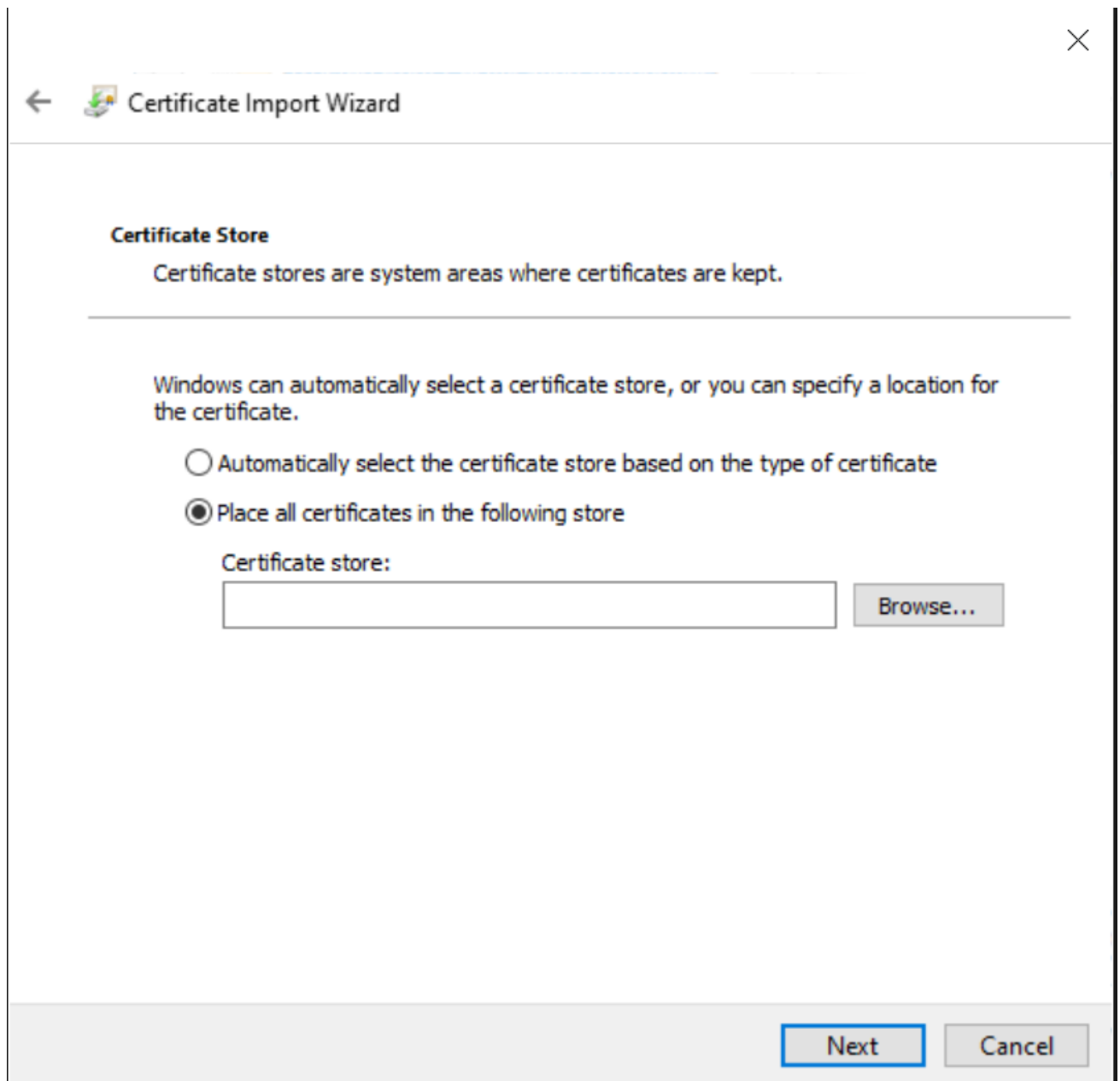
- Click `Install` certificate.



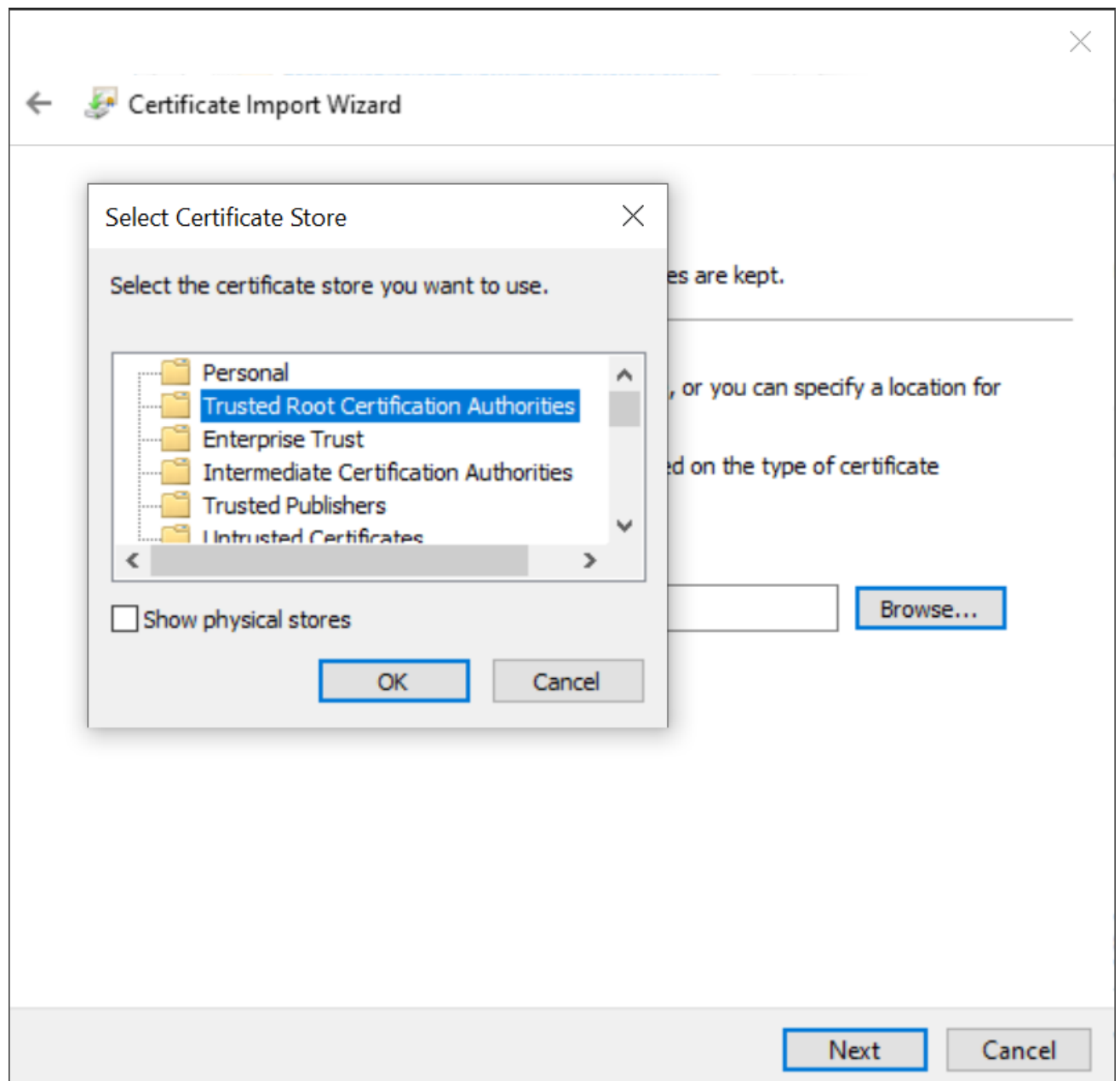
- Store Location, select LocalMachine and Next,




- Certificate Store select "Place all certificates in the following store" and click "Browse" button.





- Select Certificate Store select "Trusted Root Certification Authorities" then "OK"



- Next,



 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:

- Finish

