Azure AD application – part 2

Contents

| ummary | 1 |
|---------------------------------|---|
| | |
| ode | 1 |
| | |
| onfiguring Azure AD application | |

Summary

In this post I'm covering how to create an Azure AD app registration to manage Intune Devices hash import to windows autopilot through this app using certificate as authentication method.

You need a certificate for this. If you do not have a purchased certificate, you can generate a self-signed certificate.

- 1. Create the Azure AD App
- 2. Configure the App to support Certificate authentication.

Code

PowerShell code to create the certificate and its PFX file

```
#Azure AD APP certificate authentication

#Create and export your public certificate

$certname = "UpdateAutopilotHashes"  ## Replace {certificateName}

$cert = New-SelfSignedCertificate -Subject "CN=$certname" -CertStoreLocation

"Cert:\CurrentUser\My" -KeyExportPolicy Exportable -KeySpec Signature -KeyLength 2048

-KeyAlgorithm RSA -HashAlgorithm SHA256

Export-Certificate -Cert $cert -FilePath "C:\BLOG\$certname.cer"  ## Specify your preferred location

#(Optional): Export your public certificate with its private key

$mypwd = ConvertTo-SecureString -String "funnyPan+her95" -Force -AsPlainText ##

Replace {myPassword}

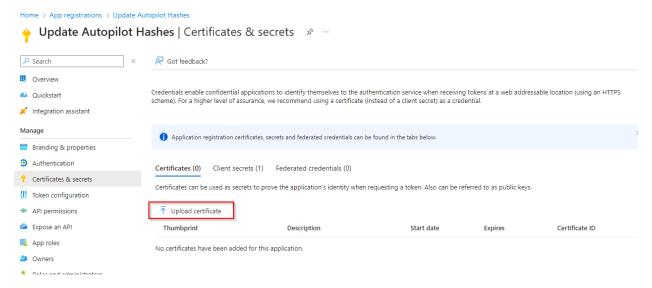
Export-PfxCertificate -Cert $cert -FilePath "C:\BLOG\$certname.pfx" -Password $mypwd

## Specify your preferred location
```

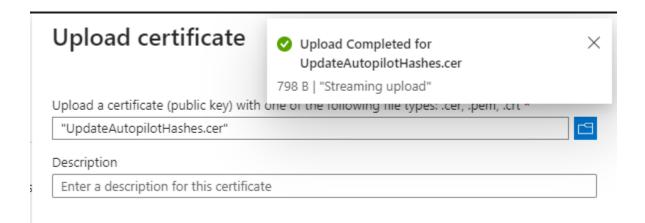
You can use Windows Terminal on Windows 11 to perform the certificate creation

Configuring Azure AD application

- 1. Go back to Azure AD app
- 2. Click on Certificates & secrets under Manage

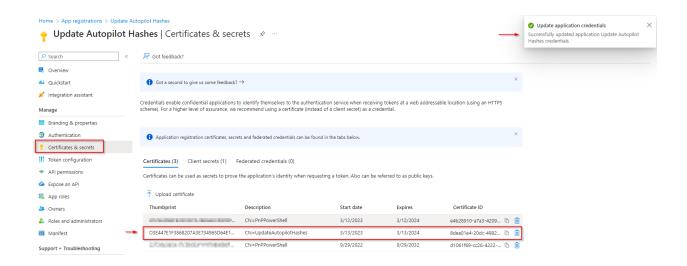


- 3. Under Certificates tab
- 4. Click upload certificate.
- 5. Under upload certificate click on browse then select the .cer file (certificate)



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6. Click "add" and make sure Certificate Thumbprint, Description, Start date, Expires and Certificate ID corresponds to your imported certificate.



Reference

https://learn.microsoft.com/en-us/azure/active-directory/develop/howto-create-self-signed-certificate

Cheers,

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