



CONFIGURATION GUIDE

# HOW TO CREATE A THUMBPRINT CERTIFICATE FOR YOUR TENANT

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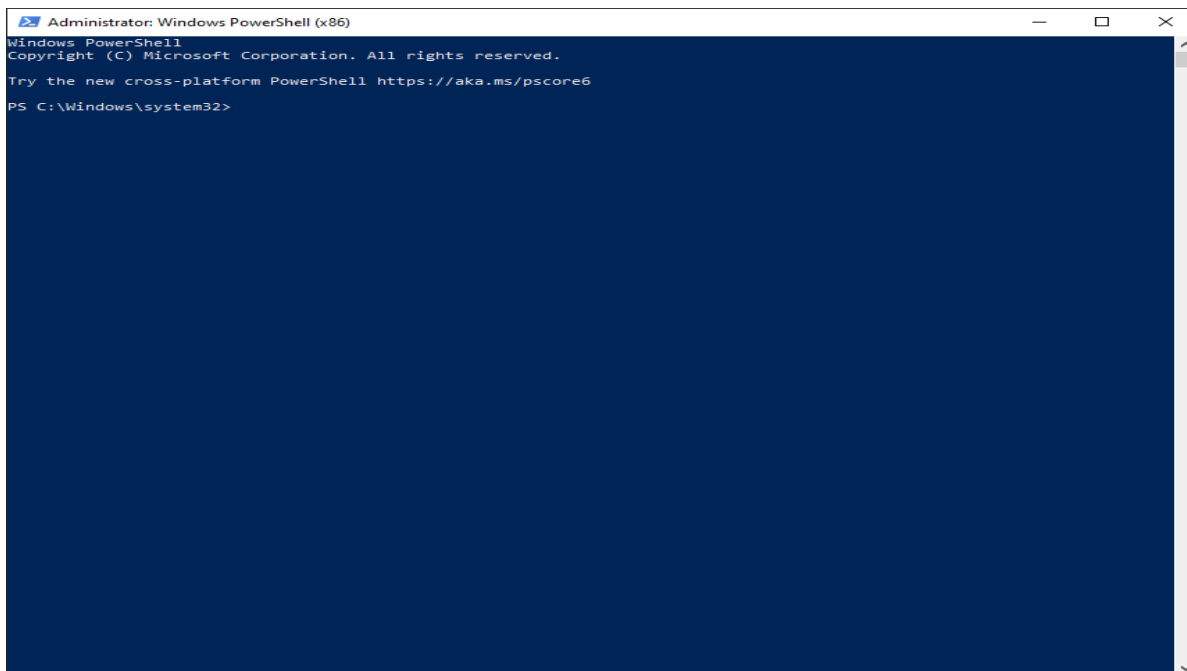
## 1. Introduction

An Exchange Online Thumbprint Certificate is a unique identifier for a certificate that is used to authenticate to Exchange Online. This guide explains how to create a certificate for your tenant.

## 2. Creating the Certificate

Follow the steps below to create the certificate:

- Open Windows PowerShell run as Administrator:

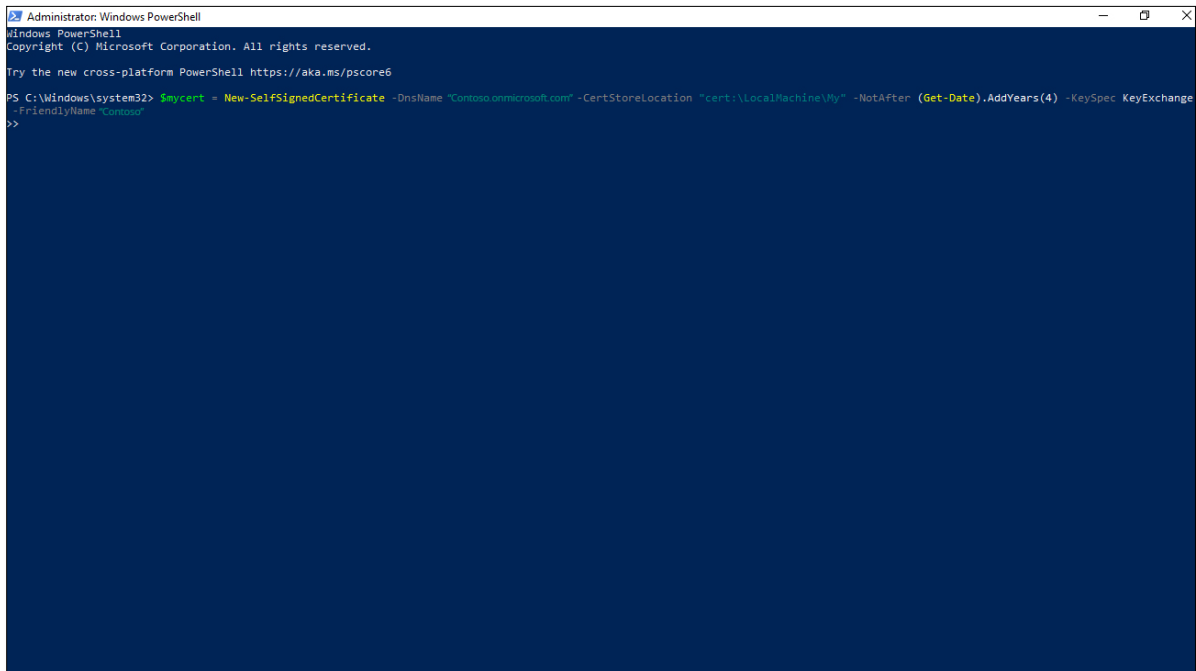


**Figure 1: Open Windows PowerShell**

- Run the Following PowerShell Command:

```
$mycert = New-SelfSignedCertificate -DnsName "Contoso.onmicrosoft.com" -  
CertStoreLocation "cert:\LocalMachine\My"-NotAfter (Get-  
Date).AddYears(4) -KeySpec KeyExchange -FriendlyName "Contoso"
```

**Note:** 'Contoso' should be the user defined name for the certificate



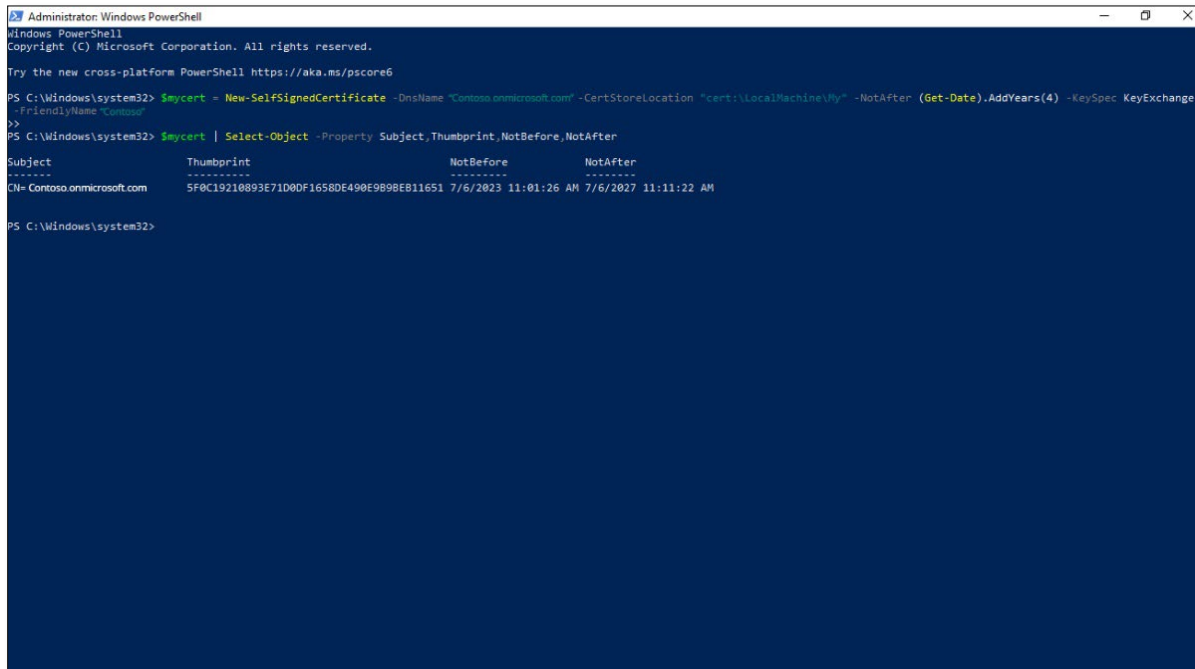
```
Administrator: Windows PowerShell  
Windows PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
  
Try the new cross-platform PowerShell https://aka.ms/pscore6  
PS C:\Windows\system32> $mycert = New-SelfSignedCertificate -DnsName "Contoso.onmicrosoft.com" -CertStoreLocation "cert:\LocalMachine\My" -NotAfter (Get-Date).AddYears(4) -KeySpec KeyExchange -FriendlyName "Contoso"  
>>
```

**Figure 2: Create New Certificate**

- To get the value for the Thumbprint of the certificate, run the following command:

```
$mycert | Select-Object -Property Subject,Thumbprint,NotBefore,NotAfter
```

**Note:** The User should copy the Thumbprint value as it is required for Login Information



```
Administrator: Windows PowerShell
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Windows\system32> $mycert = New-SelfSignedCertificate -DnsName "Contoso.onmicrosoft.com" -CertStoreLocation "cert:\LocalMachine\My" -NotAfter (Get-Date).AddYears(4) -KeySpec KeyExchange -FriendlyName "Contoso"
>>
PS C:\Windows\system32> $mycert | Select-Object -Property Subject,Thumbprint,NotBefore,NotAfter

Subject                Thumbprint                NotBefore                NotAfter
-----                -
CN= Contoso.onmicrosoft.com 5F0C19210893E71D0DF1658DE490E9B9BE811651 7/6/2023 11:01:26 AM 7/6/2027 11:11:22 AM

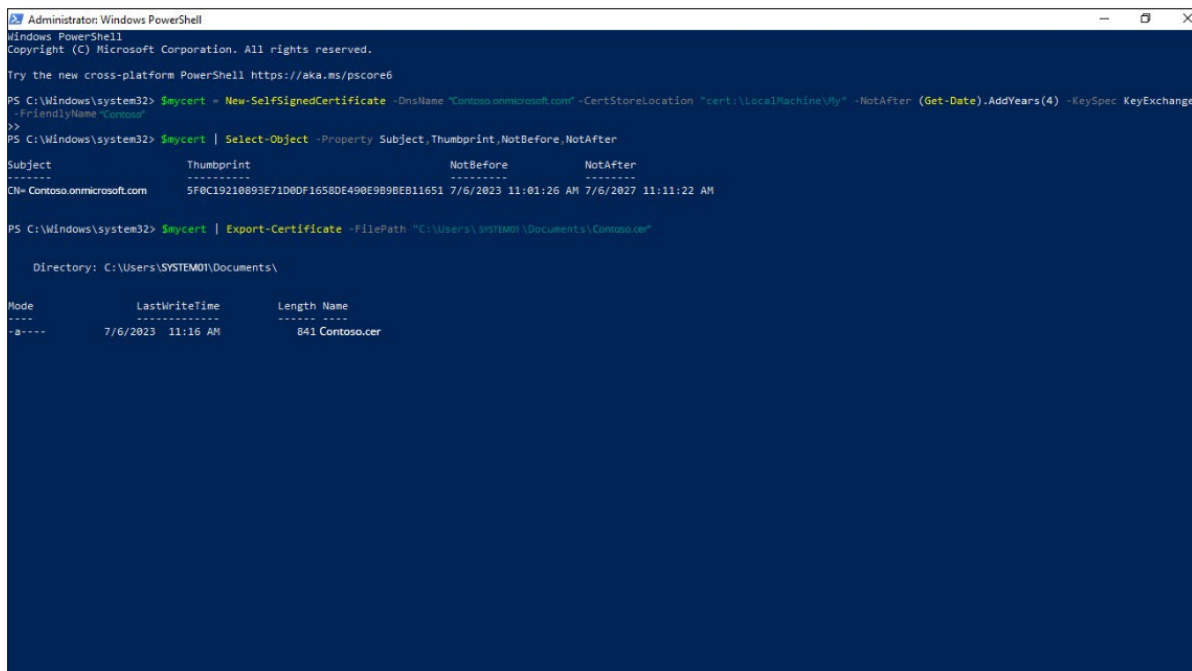
PS C:\Windows\system32>
```

**Figure 3: Get the Thumbprint Value**

- To get the local copy of the certificate run the command below:

```
$mycert | Export-Certificate -FilePath "C:\temp\scriptfile.cer"
```

**Note:** The FilePath should end with the (.cer) file type



```
Administrator: Windows PowerShell
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Windows\system32> $mycert = New-SelfSignedCertificate -DnsName "Contoso.onmicrosoft.com" -CertStoreLocation "cert:\LocalMachine\My" -NotAfter (Get-Date).AddYears(4) -KeySpec KeyExchange
-FriendlyName "contoso"
>>
PS C:\Windows\system32> $mycert | Select-Object -Property Subject,Thumbprint,NotBefore,NotAfter
Subject                Thumbprint                NotBefore                NotAfter
-----                -
CN= Contoso.onmicrosoft.com 5F0C19210893E71D0DF1658DE490E9B9BE11651 7/6/2023 11:01:26 AM 7/6/2027 11:11:22 AM

PS C:\Windows\system32> $mycert | Export-Certificate -FilePath "C:\Users\SYSTEM01\Documents\Contoso.cer"

Directory: C:\Users\SYSTEM01\Documents\

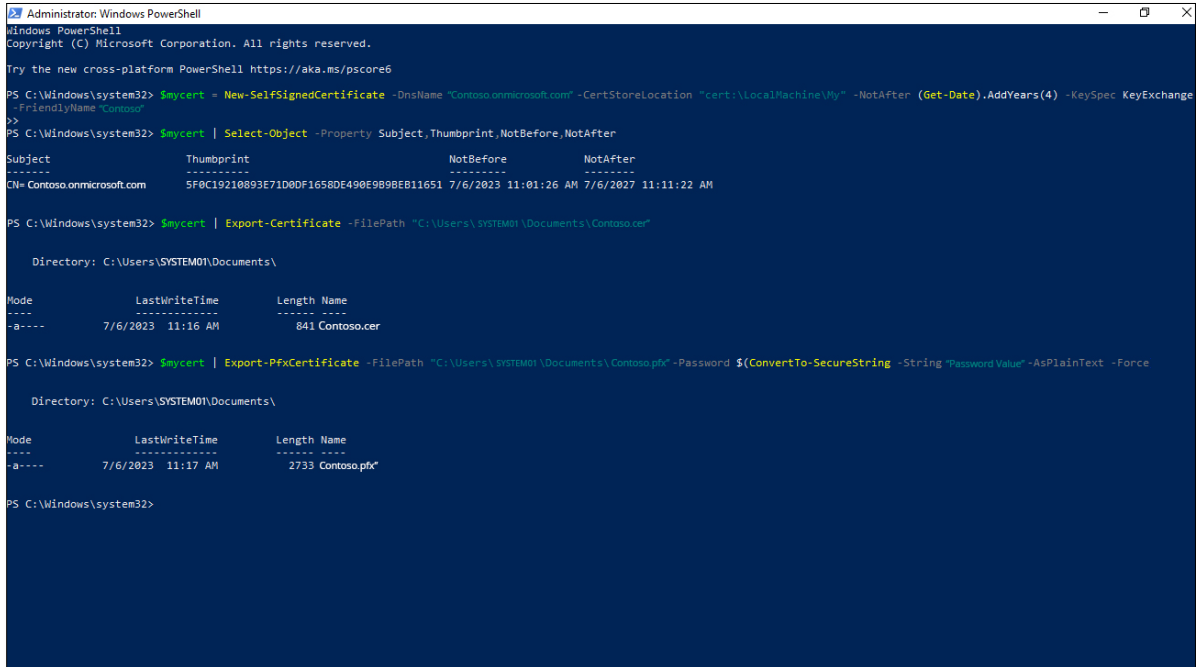
Mode                LastWriteTime         Length Name
----                -
-a----             7/6/2023 11:16 AM             841 Contoso.cer
```

**Figure 4: Get the Local Copy of the Certificate**

- To Get the pfx of the certificate run the command below:

```
$mycert | Export-PfxCertificate -FilePath "C:\temp\scriptfile.pfx" -  
Password $(ConvertTo-SecureString -String "Password value" -  
AsPlainText -Force)
```

**Note:** 'Password value' is the User defined password value for the certificate



```
Administrator: Windows PowerShell  
Windows PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
Try the new cross-platform PowerShell https://aka.ms/pscore6  
PS C:\Windows\system32> $mycert = New-SelfSignedCertificate -DnsName "Contoso.onmicrosoft.com" -CertStoreLocation "cert:\LocalMachine\My" -NotAfter ((Get-Date).AddYears(4)) -KeySpec KeyExchange -FriendlyName "Contoso"  
>>  
PS C:\Windows\system32> $mycert | Select-Object -Property Subject,Thumbprint,NotBefore,NotAfter  
Subject                Thumbprint              NotBefore              NotAfter  
-----  
CN= Contoso.onmicrosoft.com 5F8C19210893E71D0DF1658DE490E9B9EB11651 7/6/2023 11:01:26 AM 7/6/2027 11:11:22 AM  
PS C:\Windows\system32> $mycert | Export-Certificate -FilePath "C:\Users\SYSTEM01\Documents\Contoso.cer"  
  
Directory: C:\Users\SYSTEM01\Documents\  
  
Mode                LastWriteTime         Length Name  
----                -  
-a----            7/6/2023 11:16 AM             841 Contoso.cer  
PS C:\Windows\system32> $mycert | Export-PfxCertificate -FilePath "C:\Users\SYSTEM01\Documents\Contoso.pfx" -Password $(ConvertTo-SecureString -String "Password Value" -AsPlainText -Force)  
  
Directory: C:\Users\SYSTEM01\Documents\  
  
Mode                LastWriteTime         Length Name  
----                -  
-a----            7/6/2023 11:17 AM             2733 Contoso.pfx*  
PS C:\Windows\system32>
```

**Figure 5: Get the pfx of the Certificate**

### 3. Support

If you are facing any issues whilst installing, configuring, or using the solution, you can connect with our team using the contact information below.

#### Product Experts

USA/Canada: +1(0)-800-814-0578

UK/Europe: +44 (0) -208-099-5403

Rest of the World: +91 (0) -991-004-9028

#### Technical Gurus

USA/Canada: +1(0)-800-814-0578

UK/Europe: +44 (0) -208-099-5403

Rest of the World: +91(0)-991-085-4291

Alternatively, visit <https://www.lepide.com/contactus.html> to chat live with our team. You can also email your queries to the following addresses:

[sales@Lepide.com](mailto:sales@Lepide.com)

[support@Lepide.com](mailto:support@Lepide.com)

To read more about the solution, visit <https://www.lepide.com/data-security-platform/>.

### 4. Trademarks

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