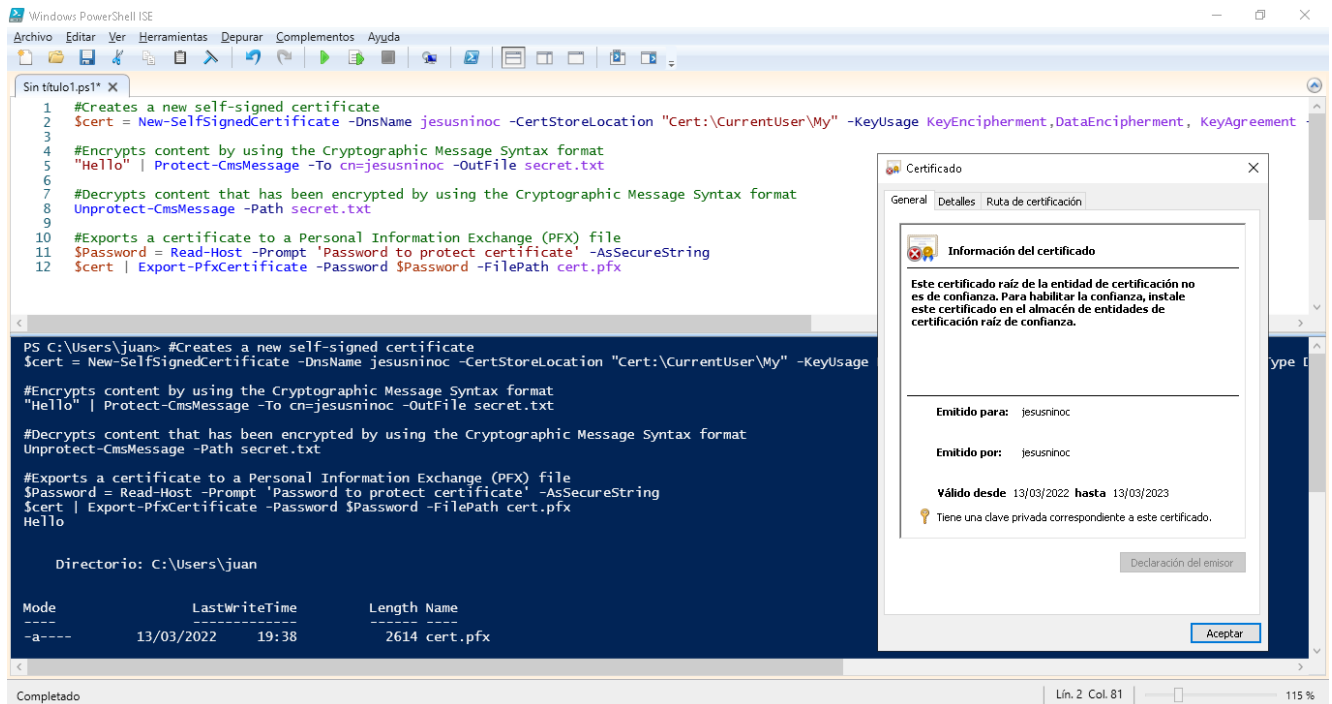


How to Create a Self-Signed Certificate With PowerShell

[crayon-6a9d5f8158916832463373/]



The screenshot displays the Windows PowerShell ISE interface. The script being executed is as follows:

```
1 #Creates a new self-signed certificate
2 $cert = New-SelfSignedCertificate -DnsName jesusninoc -CertStoreLocation "Cert:\CurrentUser\My" -KeyUsage KeyEncipherment,DataEncipherment, KeyAgreement
3
4 #Encrypts content by using the Cryptographic Message Syntax format
5 "Hello" | Protect-CmsMessage -To cn=jesusninoc -OutFile secret.txt
6
7 #Decrypts content that has been encrypted by using the Cryptographic Message Syntax format
8 Unprotect-CmsMessage -Path secret.txt
9
10 #Exports a certificate to a Personal Information Exchange (PFX) file
11 $Password = Read-Host -Prompt 'Password to protect certificate' -AsSecureString
12 $cert | Export-PfxCertificate -Password $Password -FilePath cert.pfx
```

The output of the script shows the directory path and a table of files:

```
PS C:\Users\juan> #Creates a new self-signed certificate
$cert = New-SelfSignedCertificate -DnsName jesusninoc -CertStoreLocation "Cert:\CurrentUser\My" -KeyUsage
#Encrypts content by using the Cryptographic Message Syntax format
"Hello" | Protect-CmsMessage -To cn=jesusninoc -OutFile secret.txt
#Decrypts content that has been encrypted by using the Cryptographic Message Syntax format
Unprotect-CmsMessage -Path secret.txt
#Exports a certificate to a Personal Information Exchange (PFX) file
$Password = Read-Host -Prompt 'Password to protect certificate' -AsSecureString
$cert | Export-PfxCertificate -Password $Password -FilePath cert.pfx
Hello

Directorio: C:\Users\juan

Mode                LastWriteTime         Length Name
----                -
-a-----         13/03/2022   19:38           2614 cert.pfx
```

Overlaid on the right side of the PowerShell window is a 'Certificado' (Certificate) dialog box. It contains the following information:

- Información del certificado:** Este certificado raíz de la entidad de certificación no es de confianza. Para habilitar la confianza, instale este certificado en el almacén de entidades de certificación raíz de confianza.
- Emitido para:** jesusninoc
- Emitido por:** jesusninoc
- Válido desde:** 13/03/2022 **hasta:** 13/03/2023
- Nota:** Tiene una clave privada correspondiente a este certificado.
- Buttons:** 'Declaración del emisor' and 'Aceptar'.