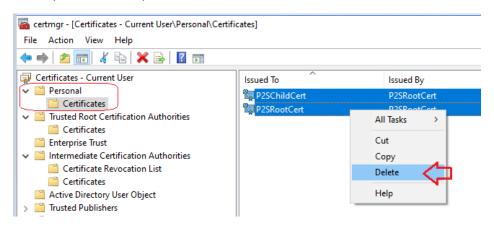
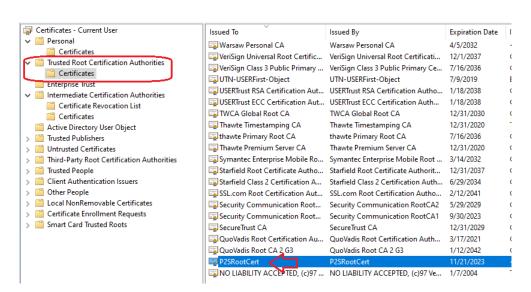
Antes de Criar Novos Certificados, exclua os que já foram criados

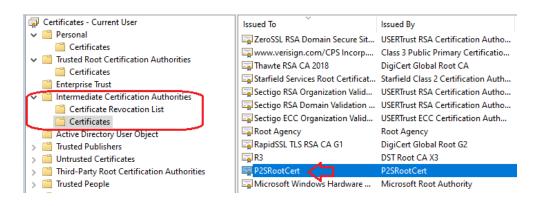
Acesse o Gerenciador de Certificado do Windows:



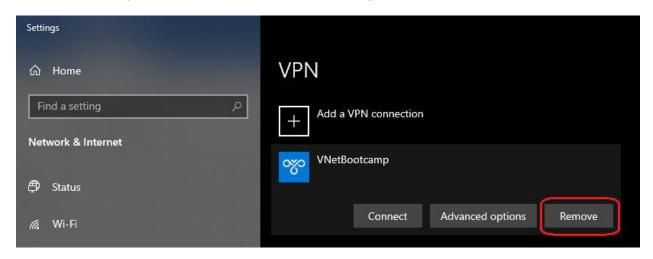
Verifique nestas 03 pastas e exclua de todas:





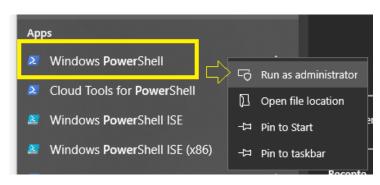


Remova aplicativo da VPN caso já exista:



Criar um Certificado Raiz (Root) Autoassinado

Abra o PowerShell no modo Administrador



```
$cert = New-SelfSignedCertificate -Type Custom -KeySpec Signature `
-Subject "CN=P2SRootCert" -KeyExportPolicy Exportable `
-HashAlgorithm sha256 -KeyLength 2048 `
-CertStoreLocation "Cert:\CurrentUser\My" -KeyUsageProperty Sign -KeyUsage CertSign
```

► COPIE o Código acima, COLE no terminal do PorwerShell e pressione ENTER:

```
Administrator: Windows PowerShell

Windows PowerShell

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

Loading personal and system profiles took 2326ms.

PS C:\Windows\system32> $cert = New-SelfSignedCertificate -Type Custom -KeySpec Signature `
>> -Subject "CN=P2SRootCert" -KeyExportPolicy Exportable `
>> -HashAlgorithm sha256 -KeyLength 2048 `
>> -CertStoreLocation "Cert:\CurrentUser\My" -KeyUsageProperty Sign -KeyUsage CertSign
>>
PS C:\Windows\system32>
```

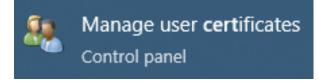
Mantenha essa tela aberta para o próximo comando!

Gerar um Certificado do Cliente (Child)

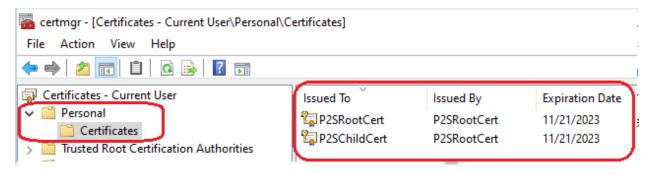
```
New-SelfSignedCertificate -Type Custom -DnsName P2SChildCert -KeySpec Signature `
-Subject "CN=P2SChildCert" -KeyExportPolicy Exportable `
-HashAlgorithm sha256 -KeyLength 2048 `
-CertStoreLocation "Cert:\CurrentUser\My" `
-Signer $cert -TextExtension @("2.5.29.37={text}1.3.6.1.5.5.7.3.2")
```

► COPIE o Código acima, COLE no terminal do PorwerShell e pressione ENTER:

▶ Acesse o Gerenciados de Certificados



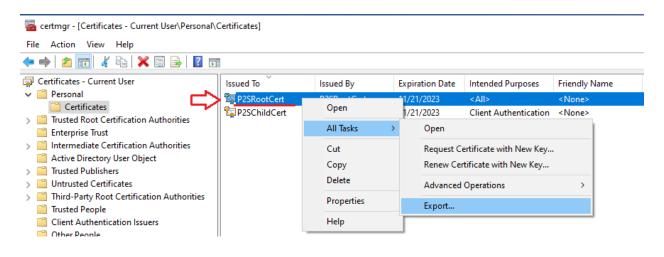
Observe que tanto o certificado "Root" quanto o certificado "Child", foram criados.



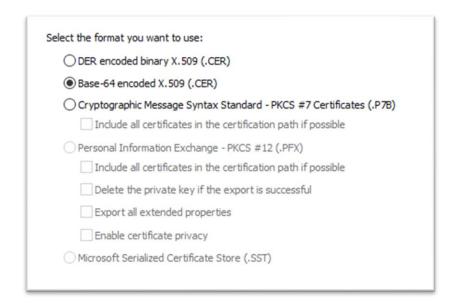
Nos passos à seguir, iremos exportar para um arquivo, tanto o certificado root...

...quanto o child (esse será o certificado "cliente")

Exportar Certificado Raiz [root] (.cer)





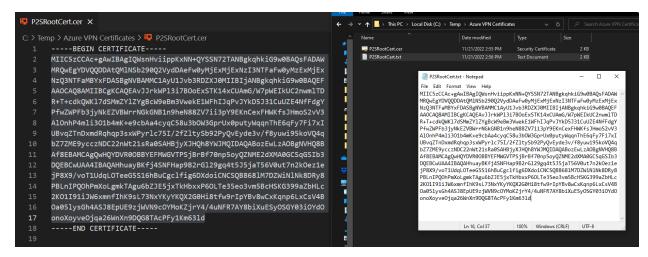






Abra o arquivo no Visual Code ou no Notepad++ e copie conteúdo para um arquivo TXT.

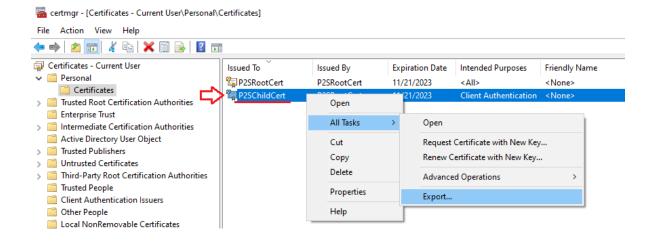
Essa chave pública, será usada na configuração da Virtual Network Gateway na Azure!



Você ignorar essa etapa acima e copiar o conteúdo do arquivo direto do VS Code | Notepad 😊



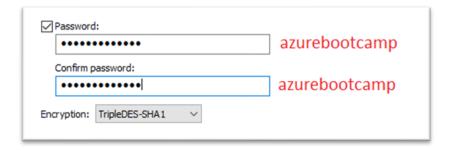
Exportar o certificado do cliente



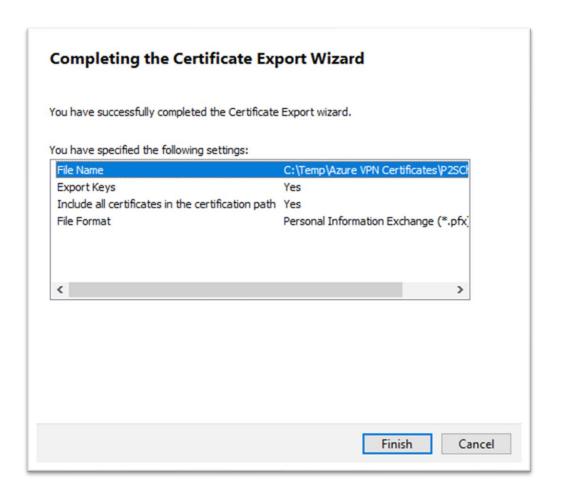


Select the format you want to use:
OER encoded binary X.509 (.CER)
Base-64 encoded X.509 (.CER)
Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B) Include all certificates in the certification path if possible
 ● Personal Information Exchange - PKCS #12 (.PFX) ✓ Include all certificates in the certification path if possible □ Delete the private key if the export is successful □ Export all extended properties ✓ Enable certificate privacy
Microsoft Serialized Certificate Store (.SST)

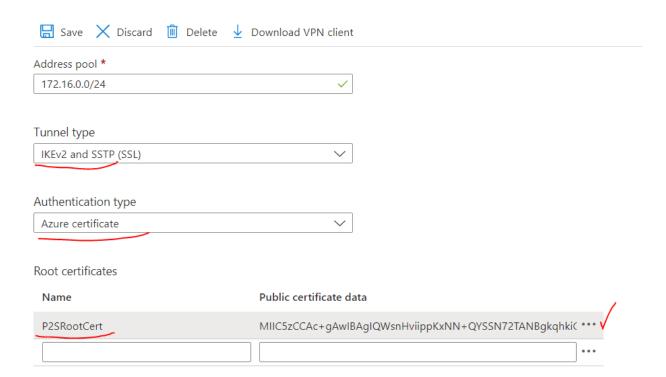
► Senha: azurebootcamp







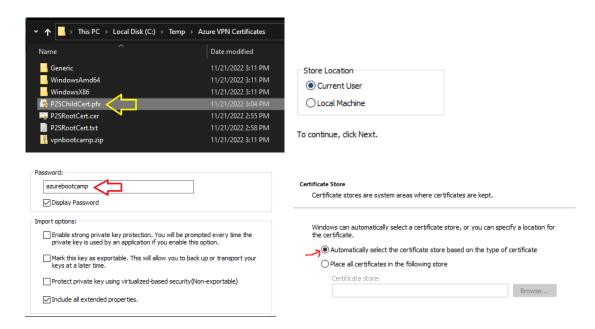
Na Azure, configure o "point-to-site"



O passo a seguir só é necessário em máquinas que não tenha o certificado cliente.

Neste caso, como criamos <u>ambos certificados</u>, não é necessário o procedimento!

Instale o certificado cliente

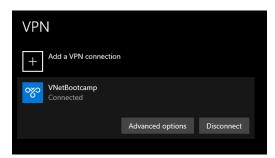


Agora, só baixar, instalar, executar e se conectar! 🖰 🌠

Point-to-site configuration * ·



Baixar e extrair os arquivos que farão a instalação do cliente da VPN.



Azure Documentation:

Generate and export certificates for P2S: PowerShell - Azure VPN Gateway | Microsoft Learn