



## ***Windows PowerShell Get-Help on Cmdlet 'Remove-AzVpnClientRootCertificate'***

***PS:\>Get-HELP Remove-AzVpnClientRootCertificate -Full***

WARNING: The names of some imported commands from the module 'Microsoft.Azure.PowerShell.Cmdlets.Network' include unapproved verbs that might make them less discoverable.

To find the commands with unapproved verbs, run the Import-Module command again with the Verbose parameter. For a list of approved verbs, type Get-Verb.

### **NAME**

Remove-AzVpnClientRootCertificate

### **SYNOPSIS**

Removes an existing VPN client root certificate.

### **SYNTAX**

```

Remove-AzVpnClientRootCertificate [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -PublicCertData
    <System.String> -ResourceGroupName <System.String> -VirtualNetworkGatewayName <System.String>
-VpnClientRootCertificateName <System.String> [<CommonParameters>]
```

### **DESCRIPTION**

The Remove-AzVpnClientRootCertificate cmdlet removes the specified root certificate from a virtual network gateway.

Root certificates are X.509 certificates that

identify your Root Certification Authority: all other certificates used on the gateway trust the root certificate. If you remove a root certificate computers that use

the certificate for authentication purposes will no longer be able to connect to the gateway. When you use `Remove-AzVpnClientRootCertificate`, you must supply both

the certificate name and a text representation of the certificate data. For more information about the text representation of a certificate see the `PublicCertData`

parameter description.

## PARAMETERS

`-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>`

The credentials, account, tenant, and subscription used for communication with azure.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

`-PublicCertData <System.String>`

Specifies the text representation of the root certificate to be removed. To obtain the text representation, export your certificate in .cer format (using Base64)

encoding, then open the resulting file in a text editor. You should see output similar to the following (note that the actual output will contain many more lines

of text than the abbreviated sample shown here): ----- BEGIN CERTIFICATE -----  
MIIC13FAAXC3671Auij9HHgUNEW8343NMJklo09982CVVFAw8w ----- END CERTIFICATE ----- The

`PublicCertData` is made up of all the lines between the first line (----- BEGIN CERTIFICATE -----) and the last line (----- END CERTIFICATE -----) in the file. You

can retrieve the `PublicCertData` using Windows PowerShell commands similar to this: `$Text = Get-Content -Path "C:\Azure\Certificates\ExportedCertificate.cer"`

```
$CertificateText = for ($i=1; $i -lt $Text.Length -1 ; $i++){ $Text[$i]}
```

Required? true  
Position? named  
Default value None  
Accept pipeline input? True (ByPropertyName)  
Accept wildcard characters? false

**-ResourceGroupName <System.String>**

Specifies the name of the resource group that the virtual network gateway is assigned to. Resource groups categorize items to help simplify inventory management and general Azure administration.

Required? true  
Position? named  
Default value None  
Accept pipeline input? True (ByPropertyName)  
Accept wildcard characters? false

**-VirtualNetworkGatewayName <System.String>**

Specifies the name of the virtual network gateway that the certificate is removed from.

Required? true  
Position? named  
Default value None  
Accept pipeline input? True (ByPropertyName)  
Accept wildcard characters? false

**-VpnClientRootCertificateName <System.String>**

Specifies the name of the client root certificate that this cmdlet removes.

Required? true  
Position? named  
Default value None  
Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

#### <CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about\_CommonParameters (<https://go.microsoft.com/fwlink/?LinkID=113216>).

#### INPUTS

System.String

#### OUTPUTS

System.Boolean

#### NOTES

Example 1: Remove a client root certificate from a virtual network gateway

```
$Text = Get-Content -Path "C:\Azure\Certificates\ExportedCertificate.cer"
```

```
$CertificateText = for ($i=1; $i -lt $Text.Length -1 ; $i++){ $Text[$i]}
```

```
Remove-AzVpnClientRootCertificate -PublicCertData $CertificateText -ResourceGroupName "ContosoResourceGroup"  
-VirtualNetworkGatewayName "ContosoVirtualGateway"  
-VpnClientRootCertificateName "ContosoRootCertificate"
```

This example removes a client root certificate named ContosoRootCertificate from the virtual network gateway ContosoVirtualGateway. The first command uses the

Get-Content cmdlet to get a previously-exported text representation of the certificate; this text representation is stored in a variable named \$Text. The second

command then uses a for loop to extract all the text in \$Text except for the first line and the last line. This extracted text is stored in a variable named

\$CertificateText. The third command uses the information stored in the \$CertificateText variable along with the Remove-AzVpnClientRootCertificate cmdlet to remove the certificate from the gateway.

## RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.network/remove-azvpnclientrootcertificate>

Add-AzVpnClientRootCertificate

Get-AzVpnClientRootCertificate

New-AzVpnClientRootCertificate