



Windows PowerShell Get-Help on Cmdlet 'Add-SqlAzureAuthenticationContext'

PS:\>Get-HELP Add-SqlAzureAuthenticationContext -Full

NAME

Add-SqlAzureAuthenticationContext

SYNOPSIS

Performs authentication to Azure and acquires an authentication token.

SYNTAX

Add-SqlAzureAuthenticationContext [-DefaultAzureCredential] [-ActiveDirectoryAuthority] <String> [[-ExcludeCredential]
{EnvironmentCredential |

WorkloadIdentityCredential | ManagedIdentityCredential | SharedTokenCacheCredential | VisualStudioCredential |
VisualStudioCodeCredential | AzureCliCredential |

AzurePowerShellCredential | AzureDeveloperCliCredential | InteractiveBrowserCredential}} [-AzureKeyVaultResourceId]
<String> [[-AzureManagedHsmResourceId] <String>]

[-ProgressAction <ActionPreference>] [<CommonParameters>]

Add-SqlAzureAuthenticationContext [-Interactive] [-ActiveDirectoryAuthority] <String> [-AzureKeyVaultResourceId]
<String> [[-AzureManagedHsmResourceId] <String>]

[-ProgressAction <ActionPreference>] [<CommonParameters>]

```
Add-SqlAzureAuthenticationContext [-ClientID] <String> [-ActiveDirectoryAuthority] <String> [-Secret] <String>
[-AzureKeyVaultResourceId] <String>
[[[-AzureManagedHsmResourceId] <String>] [-Tenant] <String> [-ProgressAction <ActionPreference>]
[<CommonParameters>]
```

```
Add-SqlAzureAuthenticationContext [-ClientID] <String> [-ActiveDirectoryAuthority] <String> [-CertificateThumbprint]
<String> [-AzureKeyVaultResourceId] <String>
[[[-AzureManagedHsmResourceId] <String>] [-Tenant] <String> [-ProgressAction <ActionPreference>]
[<CommonParameters>]
```

```
Add-SqlAzureAuthenticationContext [-ClientID] <String> [-CertificateThumbprint] <String> [-Tenant] <String>
[-ProgressAction <ActionPreference>] [<CommonParameters>]
```

```
Add-SqlAzureAuthenticationContext [-ClientID] <String> [-Secret] <String> [-Tenant] <String> [-ProgressAction
<ActionPreference>] [<CommonParameters>]
```

```
Add-SqlAzureAuthenticationContext [-DefaultAzureCredential] [[-ExcludeCredential] {EnvironmentCredential |
WorkloadIdentityCredential | ManagedIdentityCredential |
SharedTokenCacheCredential | VisualStudioCredential | VisualStudioCodeCredential | AzureCliCredential |
AzurePowerShellCredential | AzureDeveloperCliCredential |
InteractiveBrowserCredential}] [-ProgressAction <ActionPreference>] [<CommonParameters>]
```

```
Add-SqlAzureAuthenticationContext [-Interactive] [-ProgressAction <ActionPreference>] [<CommonParameters>]
```

DESCRIPTION

The `Add-SqlAzureAuthenticationContext` cmdlet authenticates the specified principal account to Azure Resource Manager. Use this cmdlet with other cmdlets that interact with Azure resources, such as Azure Key Vault.

> `Module requirements: version 21+ on PowerShell 5.1; version 22+ on PowerShell 7.x.`

PARAMETERS

`-ActiveDirectoryAuthority <String>`

Specifies the base authority for Azure Active Directory authentication. Same value as the `ActiveDirectoryAuthority` property from the Azure PowerShell Environment object.

Required? true

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

`-AzureKeyVaultResourceId <String>`

Specifies the resource ID for Azure Key Vault services. Same value as the `AzureKeyVaultServiceEndpointResourceId` property from the Azure PowerShell Environment object.

Required? true

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

`-AzureManagedHsmResourceId <String>`

Specifies the resource ID for the Azure Managed HSM service. Use this parameter to override the default value ``https://managedhsm.azure.net`` when your managed HSM resource is in an Azure instance other than the Azure public cloud.

Required? false

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-CertificateThumbprint <String>

Specifies thumbprint to be used to identify the certificate to use. The cmdlet will search both `CurrentUser` and `LocalMachine` certificate stores.

Required?	true
Position?	1
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-ClientID <String>

Specifies the application client ID.

Required?	true
Position?	0
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-DefaultAzureCredential [<SwitchParameter>]

Indicates that this cmdlet uses DefaultAzureCredential for acquiring token. The following credential types, if enabled, will be tried, in order:

- EnvironmentCredential

- WorkloadIdentityCredential

- ManagedIdentityCredential

- SharedTokenCacheCredential

- VisualStudioCredential

- VisualStudioCodeCredential

- AzureCliCredential

- AzurePowerShellCredential

- AzureDeveloperCliCredential

- InteractiveBrowserCredential

Refer to DefaultAzureCredential Class (/dotnet/api/azure.identity.defaultazurecredential)for more information on each credential type.

Required?	true
Position?	0
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-ExcludeCredential <CredentialType[]>

Indicates that DefaultAzureCredential should exclude the list of credential types specified while acquiring a token.

Required?	false
Position?	1
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-Interactive [<SwitchParameter>]

Indicates that this cmdlet prompts the user for credentials.

Required?	true
Position?	0
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-ProgressAction <ActionPreference>

Determines how PowerShell responds to progress updates generated by a script, cmdlet, or provider, such as the progress bars generated by the Write-Progress cmdlet. The Write-Progress cmdlet creates progress bars that show a command's status.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-Secret <String>

Specifies the application secret.

Required?	true
Position?	1
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-Tenant <String>

Specifies a tenant in Azure.

Required?	true
Position?	2
Default value	None

Accept pipeline input? False

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

OUTPUTS

System.Object

NOTES

Example 1: Prompt a user for credentials to authenticate a user to Azure Resource Manager

Add-SqlAzureAuthenticationContext -Interactive

This command prompts a user for a username and a password and then authenticates the user to Azure Resource Manager.

--- Example 2: Authenticate a user to Azure Resource Manager ---

Add-SqlAzureAuthenticationContext -ClientID 'ad34ca5a-a479-4cf4-b166-a2177b32d33e' -Secret '[Placeholder]' -Tenant '41fb6cc6-96f4-479d-bafd-a2e4810eb100'

This command performs authentication of the application principal with the specified client ID, which has been defined in

the specified tenant, to Azure Resource

Manager.

Example 3: Use DefaultAzureCredential to authenticate a user to Azure Resource Manager

```
Add-SqlAzureAuthenticationContext -DefaultAzureCredential
```

This command acquires token using the following credential types, if enabled, will be tried, in order:
EnvironmentCredential, WorkloadIdentityCredential,

ManagedIdentityCredential, SharedTokenCacheCredential, VisualStudioCredential, VisualStudioCodeCredential,
AzureCliCredential, AzurePowerShellCredential,
AzureDeveloperCliCredential, InteractiveBrowserCredential.

Example 4: Use DefaultAzureCredential but exclude few credential types to authenticate a user to Azure Resource Manager

```
Add-SqlAzureAuthenticationContext -DefaultAzureCredential `
-ExcludeCredentials EnvironmentCredential, AzureDeveloperCliCredential
```

This command acquires token using the following credential types, if enabled, will be tried, in order:
WorkloadIdentityCredential, ManagedIdentityCredential,

SharedTokenCacheCredential, VisualStudioCredential, VisualStudioCodeCredential, AzureCliCredential,
AzurePowerShellCredential, InteractiveBrowserCredential. NOTE

that EnvironmentCredential, AzureDeveloperCliCredential are excluded from the above types.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/sqlserver/add-sqlazureauthenticationcontext>

SQLServer_Cmdlets