



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

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

NAME

Add-AzEnvironment

SYNOPSIS

Adds endpoints and metadata for an instance of Azure Resource Manager.

SYNTAX

```
Add-AzEnvironment [-Name] <System.String> [[-PublishSettingsFileUrl] <System.String>] [[-AzureKeyVaultDnsSuffix]
<System.String>]
[[ -AzureKeyVaultServiceEndpointResourceId] <System.String>] [[-TrafficManagerDnsSuffix] <System.String>]
[[ -SqlDatabaseDnsSuffix] <System.String>]
[[ -AzureDataLakeStoreFileSystemEndpointSuffix] <System.String>]
[[ -AzureDataLakeAnalyticsCatalogAndJobEndpointSuffix] <System.String>] [[-EnableAdfsAuthentication]]
[[ -AdTenant] <System.String>] [[-GraphAudience] <System.String>] [[-DataLakeAudience] <System.String>]
[[ -ServiceEndpoint] <System.String>]
[[ -BatchEndpointResourceId] <System.String>] [[-AzureOperationalInsightsEndpointResourceId] <System.String>]
[[ -AzureOperationalInsightsEndpoint] <System.String>]
[[ -ManagementPortalUrl] <System.String>] [[-StorageEndpoint] <System.String>] [[-ActiveDirectoryEndpoint]
<System.String>] [[-ResourceManagerEndpoint]
```

```

    <System.String>] [-GalleryEndpoint] <System.String>] [-ActiveDirectoryServiceEndpointResourceId] <System.String>]
[-GraphEndpoint] <System.String>]
    [-AzureAnalysisServicesEndpointResourceId <System.String>] [-AzureAnalysisServicesEndpointSuffix <System.String>]
[-AzureAttestationServiceEndpointResourceId
    <System.String>] [-AzureAttestationServiceEndpointSuffix <System.String>]
[-AzureSynapseAnalyticsEndpointResourceId <System.String>]
    [-AzureSynapseAnalyticsEndpointSuffix <System.String>] [-ContainerRegistryEndpointSuffix <System.String>]
[-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-MicrosoftGraphEndpointResourceId <System.String>] [-MicrosoftGraphUrl
    <System.String>] [-Scope {Process | CurrentUser}] [-Confirm] [-WhatIf] [<CommonParameters>]

Add-AzEnvironment [-Name] <System.String> [-ARMEndpoint] <System.String> [[-AzureKeyVaultDnsSuffix]
<System.String>] [[-AzureKeyVaultServiceEndpointResourceId]
    <System.String>] [[-DataLakeAudience] <System.String>] [[-BatchEndpointResourceId] <System.String>]
[[ -AzureOperationalInsightsEndpointResourceId] <System.String>]
    [[-AzureOperationalInsightsEndpoint] <System.String>] [[-StorageEndpoint] <System.String>]
[-AzureAnalysisServicesEndpointResourceId <System.String>]
    [-AzureAnalysisServicesEndpointSuffix <System.String>] [-AzureAttestationServiceEndpointResourceId <System.String>]
[-AzureAttestationServiceEndpointSuffix
    <System.String>] [-AzureSynapseAnalyticsEndpointResourceId <System.String>]
[-AzureSynapseAnalyticsEndpointSuffix <System.String>] [-ContainerRegistryEndpointSuffix
    <System.String>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Scope {Process |
CurrentUser}]
    [-Confirm] [-WhatIf] [<CommonParameters>]

Add-AzEnvironment -AutoDiscover [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Scope {Process |
CurrentUser}] [-Uri <System.Uri>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

The Add-AzEnvironment cmdlet adds endpoints and metadata to enable Azure Resource Manager cmdlets to connect with a new instance of Azure Resource Manager. The

built-in environments AzureCloud and AzureChinaCloud target existing public instances of Azure Resource Manager.

PARAMETERS

-ActiveDirectoryEndpoint <System.String>

Specifies the base authority for Azure Active Directory authentication.

Required? false

Position? 5

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ActiveDirectoryServiceEndpointResourceId <System.String>

Specifies the audience for tokens that authenticate requests to Azure Resource Manager or Service Management (RDFE) endpoints.

Required? false

Position? 8

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-AdTenant <System.String>

Specifies the default Active Directory tenant.

Required? false

Position? 17

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ARMEndpoint <System.String>

The Azure Resource Manager endpoint

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-AutoDiscover <System.Management.Automation.SwitchParameter>

Discovers environments via default or configured endpoint.

Required? true

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AzureAnalysisServicesEndpointResourceId <System.String>

The resource identifier of the Azure Analysis Services resource.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-AzureAnalysisServicesEndpointSuffix <System.String>

The endpoint to use when communicating with the Azure Log Analytics API.

Required? false

Position? named

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-AzureAttestationServiceEndpointResourceId <System.String>

The resource identifier of the Azure Attestation service that is the recipient of the requested token.

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

-AzureAttestationServiceEndpointSuffix <System.String>

Dns suffix of Azure Attestation service.

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

-AzureDataLakeAnalyticsCatalogAndJobEndpointSuffix <System.String>

Dns Suffix of Azure Data Lake Analytics job and catalog services

Required? false
Position? 15
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-AzureDataLakeStoreFileSystemEndpointSuffix <System.String>

Dns Suffix of Azure Data Lake Store FileSystem. Example: azuredatalake.net

Required? false
Position? 14
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-AzureKeyVaultDnsSuffix <System.String>

Dns suffix of Azure Key Vault service. Example is vault-int.azure-int.net

Required? false
Position? 10
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-AzureKeyVaultServiceEndpointResourceId <System.String>

Resource identifier of Azure Key Vault data service that is the recipient of the requested token.

Required? false
Position? 11
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-AzureOperationalInsightsEndpoint <System.String>

The endpoint to use when communicating with the Azure Log Analytics API.

Required? false
Position? 22
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-AzureOperationalInsightsEndpointResourceId <System.String>

The audience for tokens authenticating with the Azure Log Analytics API.

Required? false

Position? 21

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-AzureSynapseAnalyticsEndpointResourceId <System.String>

The resource identifier of the Azure Synapse Analytics that is the recipient of the requested token.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-AzureSynapseAnalyticsEndpointSuffix <System.String>

Dns suffix of Azure Synapse Analytics.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-BatchEndpointResourceId <System.String>

The resource identifier of the Azure Batch service that is the recipient of the requested token

Required? false

Position? 20

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ContainerRegistryEndpointSuffix <System.String>

Suffix of Azure Container Registry.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DataLakeAudience <System.String>

The audience for tokens authenticating with the AD Data Lake services Endpoint.

Required? false

Position? 19

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

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

The credentials, tenant and subscription used for communication with azure

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-EnableAdfsAuthentication <System.Management.Automation.SwitchParameter>

Indicates that Active Directory Federation Services (ADFS) on-premise authentication is allowed.

Required? false
Position? 16
Default value False
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-GalleryEndpoint <System.String>

Specifies the endpoint for the Azure Resource Manager gallery of deployment templates. The parameter is to set the value to `GalleryUrl` of `PSAzureEnvironment`.

As `GalleryUrl` is removed from ArmMetadata, Azure PowerShell will no longer provide for the value and so it is not recommended to set `GalleryEndpoint` anymore.

Required? false
Position? 7
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-GraphAudience <System.String>

The audience for tokens authenticating with the AD Graph Endpoint.

Required? false
Position? 18
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-GraphEndpoint <System.String>

Specifies the URL for Graph (Active Directory metadata) requests.

Required? false
Position? 9

Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-ManagementPortalUrl <System.String>

Specifies the URL for the Management Portal.

Required? false
Position? 3
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-MicrosoftGraphEndpointResourceId <System.String>

The resource identifier of Microsoft Graph

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

-MicrosoftGraphUrl <System.String>

Microsoft Graph Url

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

-Name <System.String>

Specifies the name of the environment to add.

Required? true
Position? 0
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-PublishSettingsFileUrl <System.String>

Specifies the URL from which .publishsettings files can be downloaded.

Required? false
Position? 1
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-ResourceManagerEndpoint <System.String>

Specifies the URL for Azure Resource Manager requests.

Required? false
Position? 6
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-Scope <Microsoft.Azure.Commands.Profile.Common.ContextModificationScope>

Determines the scope of context changes, for example, whether changes apply only to the current process, or to all sessions started by this user.

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

Accept wildcard characters? false

-ServiceEndpoint <System.String>

Specifies the endpoint for Service Management (RDfE) requests.

Required? false

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SqlDatabaseDnsSuffix <System.String>

Specifies the domain-name suffix for Azure SQL Database servers.

Required? false

Position? 13

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-StorageEndpoint <System.String>

Specifies the endpoint for storage (blob, table, queue, and file) access.

Required? false

Position? 4

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TrafficManagerDnsSuffix <System.String>

Specifies the domain-name suffix for Azure Traffic Manager services.

Required? false

Position? 12
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-Uri <System.Uri>

Specifies URI of the internet resource to fetch environments.

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

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

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

-WhatIf <System.Management.Automation.SwitchParameter>

Shows what would happen if the cmdlet runs. The cmdlet is not run.

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

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

System.Management.Automation.SwitchParameter

OUTPUTS

Microsoft.Azure.Commands.Profile.Models.PSAzureEnvironment

NOTES

----- Example 1: Creating and modifying a new environment -----

```
Add-AzEnvironment -Name TestEnvironment `
    -ActiveDirectoryEndpoint TestADEndpoint `
    -ActiveDirectoryServiceEndpointResourceId TestADApplicationId `
    -ResourceManagerEndpoint TestRMEndpoint `
    -GalleryEndpoint TestGalleryEndpoint `
    -GraphEndpoint TestGraphEndpoint
```

TestEnvironment TestRMEndpoint TestADEndpoint/

Set-AzEnvironment -Name TestEnvironment `

-ActiveDirectoryEndpoint NewTestADEndpoint `

-GraphEndpoint NewTestGraphEndpoint | Format-List

Name : TestEnvironment
EnableAdfsAuthentication : False
OnPremise : False
ActiveDirectoryServiceEndpointResourceId : TestADApplicationId
AdTenant :
GalleryUrl : TestGalleryEndpoint
ManagementPortalUrl :
ServiceManagementUrl :
PublishSettingsFileUrl :
ResourceManagerUrl : TestRMEndpoint
SqlDatabaseDnsSuffix :
StorageEndpointSuffix :
ActiveDirectoryAuthority : NewTestADEndpoint
GraphUrl : NewTestGraphEndpoint
GraphEndpointResourceId :
TrafficManagerDnsSuffix :
AzureKeyVaultDnsSuffix :
DataLakeEndpointResourceId :
AzureDataLakeStoreFileSystemEndpointSuffix :
AzureDataLakeAnalyticsCatalogAndJobEndpointSuffix :
AzureKeyVaultServiceEndpointResourceId :
AzureOperationalInsightsEndpointResourceId :
AzureOperationalInsightsEndpoint :
AzureAnalysisServicesEndpointSuffix :
AzureAttestationServiceEndpointSuffix :
AzureAttestationServiceEndpointResourceId :

```

AzureSynapseAnalyticsEndpointSuffix      :
AzureSynapseAnalyticsEndpointResourceId  :
VersionProfiles                          : {}
ExtendedProperties                        : {}
BatchEndpointResourceId                   :

```

In this example we are creating a new Azure environment with sample endpoints using Add-AzEnvironment, and then we are changing the value of the

ActiveDirectoryEndpoint and GraphEndpoint attributes of the created environment using the cmdlet Set-AzEnvironment.

----- Example 2: Discovering a new environment via Uri -----

<#

Uri <https://configuredmetadata.net> returns an array of environment metadata. The following example contains a payload for the AzureCloud default environment.

```

[
  {
    "portal": "https://portal.azure.com",
    "authentication": {
      "loginEndpoint": "https://login.microsoftonline.com/",
      "audiences": [
        "https://management.core.windows.net/"
      ],
      "tenant": "common",
      "identityProvider": "AAD"
    },
    "media": "https://rest.media.azure.net",
    "graphAudience": "https://graph.windows.net/",
    "graph": "https://graph.windows.net/",
    "name": "AzureCloud",
    "suffixes": {

```



```

    "azureDataLakeStoreFileSystem": "azuredatalakestore.net",
    "acrLoginServer": "azurecr.io",
    "sqlServerHostname": ".database.windows.net",
    "azureDataLakeAnalyticsCatalogAndJob": "azuredatalakeanalytics.net",
    "keyVaultDns": "vault.azure.net",
    "storage": "core.windows.net",
    "azureFrontDoorEndpointSuffix": "azurefd.net"
  },
  "batch": "https://batch.core.windows.net/",
  "resourceManager": "https://management.azure.com/",
  "vmImageAliasDoc":
"https://raw.githubusercontent.com/Azure/azure-rest-api-specs/master/arm-compute/quickstart-templates/aliases.json",
  "activeDirectoryDataLake": "https://datalake.azure.net/",
  "sqlManagement": "https://management.core.windows.net:8443/",
  "gallery": "https://gallery.azure.com/"
},
..
]
#>

```

```
Add-AzEnvironment -AutoDiscover -Uri https://configuredmetadata.net
```

Name	Resource Manager Url	ActiveDirectory Authority
TestEnvironment	TestRMEndpoint	TestADEndpoint/

In this example, we are discovering a new Azure environment from the `https://configuredmetadata.net` Uri.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.accounts/add-azenvironment>

Get-AzEnvironment

Remove-AzEnvironment

Set-AzEnvironment