



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

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

NAME

Add-AzHDInsightClusterIdentity

SYNOPSIS

Adds a cluster identity to a cluster configuration object.

SYNTAX

```
Add-AzHDInsightClusterIdentity [-Config] <Microsoft.Azure.Commands.HDInsight.Models.AzureHDInsightConfig>
[-ObjectId] <System.Guid> [-CertificateFileContents]
<System.Byte[]> [-CertificatePassword] <System.String> [[-AadTenantId] <System.Guid>] [[-ApplicationId]
<System.Guid>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[<CommonParameters>]
```

```
Add-AzHDInsightClusterIdentity [-Config] <Microsoft.Azure.Commands.HDInsight.Models.AzureHDInsightConfig>
[-ObjectId] <System.Guid> [-CertificateFilePath]
<System.String> [-CertificatePassword] <System.String> [[-AadTenantId] <System.Guid>] [[-ApplicationId]
<System.Guid>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[<CommonParameters>]
```

[<CommonParameters>]

DESCRIPTION

The Add-AzHDInsightClusterIdentity cmdlet adds a cluster identity to the Azure HDInsight configuration object created by the New-AzHDInsightClusterConfig cmdlet.

PARAMETERS

-AadTenantId <System.Guid>

Specifies the Microsoft Entra tenant ID that will be used when accessing Azure Data Lake Store.

Required? false

Position? 4

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ApplicationId <System.Guid>

The Service Principal Application Id for accessing Azure Data Lake.

Required? false

Position? 5

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-CertificateFileContents <System.Byte[]>

Specifies file contents of the certificate that will be used when accessing Azure Data Lake Store.

Required? true

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-CertificateFilePath <System.String>

Specifies the file path to the certificate that will be used to authenticate as the Service Principal. The cluster will use this when accessing Azure Data Lake Store.

Required? true

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-CertificatePassword <System.String>

Specifies the password for the certificate that will be used to authenticate as the Service Principal. The cluster will use this when accessing Azure Data Lake Store.

Required? true

Position? 3

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Config <Microsoft.Azure.Commands.HDInsight.Models.AzureHDInsightConfig>

Specifies the HDInsight cluster configuration object that this cmdlet modifies. This object is created by the New-AzHDInsightClusterConfig cmdlet.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-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

-ObjectId <System.Guid>

Specifies the Microsoft Entra object ID (a GUID) of the Microsoft Entra service principal that represents the cluster. The cluster will use this when accessing

Azure Data Lake Store.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByValue)

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

Microsoft.Azure.Commands.HDInsight.Models.AzureHDInsightConfig

OUTPUTS

Microsoft.Azure.Commands.HDInsight.Models.AzureHDInsightConfig

NOTES

Example 1: Add Cluster Identity info to the cluster configuration object

```
# Primary storage account info

$storageAccountResourceGroupName = "Group"

$storageAccountResourceId = "yourstorageaccountresourceid"

$storageAccountName = "yourstorageacct001"

$storageAccountKey = (Get-AzStorageAccountKey -ResourceGroupName $storageAccountResourceGroupName -Name
$storageAccountName)[0].value

$storageContainer = "container001"

# Cluster configuration info

$location = "East US 2"

$clusterResourceGroupName = "Group"

$clusterName = "your-hadoop-001"

$clusterCreds = Get-Credential

# If the cluster's resource group doesn't exist yet, run:

# New-AzResourceGroup -Name $clusterResourceGroupName -Location $location

# Cluster Identity values
```

```
$tenantId = (Get-AzContext).Tenant.TenantId  
$objectId = "<Azure AD Service Principal Object ID>"  
$applicationId = "<Azure AD Service Principal Application ID>"  
$certificateFilePath = "<Path to Azure AD Service Principal Certificate>"  
$certificatePassword = "<Password for Azure AD Service Principal Certificate>"
```

```
# Create the cluster
```

```
New-AzHDInsightClusterConfig `
    | Add-AzHDInsightClusterIdentity `
        -AadTenantId $tenantId `
        -ObjectId $objectId `
        -ApplicationId $applicationId `
        -CertificateFilePath $certificateFilePath `
        -CertificatePassword $certificatePassword `
    | New-AzHDInsightCluster `
        -ClusterType Hadoop `
        -OSType Linux `
        -ClusterSizeInNodes 4 `
        -ResourceGroupName $clusterResourceGroupName `
        -ClusterName $clusterName `
        -HttpCredential $clusterCreds `
        -Location $location `
        -StorageAccountResourceId $storageAccountResourceId `
        -StorageAccountKey $storageAccountKey `
        -StorageContainer $storageAccountContainer
```

This command adds Cluster Identity info to the cluster named your-hadoop-001, allowing the cluster to access Azure Data Lake Store.

RELATED LINKS

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

