



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

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

NAME

Add-AzHDInsightSecurityProfile

SYNOPSIS

Adds a security profile to a cluster configuration object.

SYNTAX

```
Add-AzHDInsightSecurityProfile [-Config] <Microsoft.Azure.Commands.HDInsight.Models.AzureHDInsightConfig>
[-ClusterUsersGroupDNs <System.String[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -DomainResourceId
<System.String> -DomainUserCredential
<System.Management.Automation.PSCredential> -LdapsUrls <System.String[]> [-OrganizationalUnitDN
<System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

Security profile is used to create a secure cluster by kerberizing it. Security profile contains configuration related joining the cluster to Active Directory Domain.

PARAMETERS

-ClusterUsersGroupDNs <System.String[]>

Distinguished names of the Active Directory groups that will be available in Ambari and Ranger

Required? false

Position? named

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

-DomainResourceId <System.String>

Active Directory domain resource id for the cluster.

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

-DomainUserCredential <System.Management.Automation.PSCredential>

A domain user account credential with sufficient permissions for creating the cluster. Username should be in user@domain format

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

-LdapsUrls <System.String[]>

Urls of one or multiple LDAPS servers for the Active Directory

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

-OrganizationalUnitDN <System.String>

Distinguished name of the organizational unit in the Active directory where user and computer accounts will be created

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>

Required? false

Position? named

Default value False

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

Microsoft.Azure.Commands.HDInsight.Models.AzureHDInsightConfig

OUTPUTS

Microsoft.Azure.Commands.HDInsight.Models.AzureHDInsightSecurityProfile

NOTES

Example 1: Add security profile 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

#Security profile info

\$domain="sampledomain.onmicrosoft.com"

\$domainUser="sample.user@sampledomain.onmicrosoft.com"

\$domainPassword=ConvertTo-SecureString "domainPassword" -AsPlainText -Force

\$domainUserCredential=New-Object System.Management.Automation.PSCredential(\$domainUser, \$domainPassword)

\$organizationalUnitDN="ou=testunitdn"

```
$ldapsUrls=("ldaps://sampledomain.onmicrosoft.com:636","ldaps://sampledomain.onmicrosoft.com:389")
```

```
$clusterUsersGroupDNs=("groupdn1","groupdn2")
```

Create the cluster

```
New-AzHDInsightClusterConfig `
    | Add-AzHDInsightSecurityProfile `
        -DomainResourceId $domain `
        -DomainUserCredential $domainUserCredential `
        -OrganizationalUnitDN $organizationalUnitDN `
        -LdapsUrls $ldapsUrls `
        -ClusterUsersGroupDNs $clusterUsersGroupDNs `
    | New-AzHDInsightCluster `
        -ClusterType Spark `
        -OSType Linux `
        -ClusterSizeInNodes 4 `
        -ResourceGroupName $clusterResourceGroupName `
        -ClusterName $clusterName `
        -HttpCredential $clusterCreds `
        -Location $location `
        -StorageAccountResourceId $storageAccountResourceId `
        -StorageAccountKey $storageAccountKey `
        -StorageContainer $storageContainer
```

This command adds a security profile value to the cluster named your-hadoop-001.

RELATED LINKS

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