



Windows PowerShell Get-Help on Cmdlet 'Set-AzDataFactoryV2'

PS:\>Get-HELP Set-AzDataFactoryV2 -Full

NAME

Set-AzDataFactoryV2

SYNOPSIS

Creates a data factory.

SYNTAX

```

Set-AzDataFactoryV2 [-ResourceId] <System.String> [-Location] <System.String> [[-Tag]
<System.Collections.Hashtable>] -AccountName <System.String>
-CollaborationBranch <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EncryptionKeyName
<System.String>] [-EncryptionKeyVersion <System.String>] [-EncryptionUserAssignedIdentity <System.String>]
[-EncryptionVaultBaseUrl <System.String>] [-Force]
[-GlobalParameterDefinition
<System.Collections.Generic.IDictionary`2[System.String,Microsoft.Azure.Management.DataFactory.Models.GlobalParamet
erSpecification]>]
[-IdentityType <System.String>] [-PublicNetworkAccess <System.String>] [-LastCommitId <System.String>]
[-DisablePublish] -ProjectName <System.String> -RepositoryName
<System.String> -RootFolder <System.String> [-TenantId <System.String>] [-UserAssignedIdentity

```

```

<System.Collections.Generic.IDictionary`2[System.String,System.Object]>] [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzDataFactoryV2 [-ResourceId] <System.String> [-Location] <System.String> [[-Tag]
<System.Collections.Hashtable>] -AccountName <System.String>
-CollaborationBranch <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EncryptionKeyName
<System.String>] [-EncryptionKeyVersion <System.String>] [-EncryptionUserAssignedIdentity <System.String>]
[-EncryptionVaultBaseUrl <System.String>] [-Force]
[-GlobalParameterDefinition
<System.Collections.Generic.IDictionary`2[System.String,Microsoft.Azure.Management.DataFactory.Models.GlobalParamet
erSpecification]>]
-HostName <System.String> [-IdentityType <System.String>] [-PublicNetworkAccess <System.String>] [-LastCommitId
<System.String>] [-DisablePublish] -RepositoryName
<System.String> -RootFolder <System.String> [-UserAssignedIdentity
<System.Collections.Generic.IDictionary`2[System.String,System.Object]>] [-Confirm] [-WhatIf]
[<CommonParameters>]

Set-AzDataFactoryV2 [-ResourceGroupName] <System.String> [-Name] <System.String> [-Location] <System.String>
[[[-Tag] <System.Collections.Hashtable>] -AccountName
<System.String> -CollaborationBranch <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EncryptionKeyName <System.String>] [-EncryptionKeyVersion <System.String>] [-EncryptionUserAssignedIdentity
<System.String>] [-EncryptionVaultBaseUrl
<System.String>] [-Force] [-GlobalParameterDefinition
<System.Collections.Generic.IDictionary`2[System.String,Microsoft.Azure.Management.DataFactory.Models.GlobalParamet
erSpecification]>] -HostName <System.String>
[-IdentityType <System.String>] [-PublicNetworkAccess <System.String>] [-LastCommitId <System.String>]
[-DisablePublish] -RepositoryName <System.String> -RootFolder
<System.String> [-UserAssignedIdentity <System.Collections.Generic.IDictionary`2[System.String,System.Object]>]
[-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzDataFactoryV2 [-ResourceGroupName] <System.String> [-Name] <System.String> [-Location] <System.String>

```

```

[[-Tag] <System.Collections.Hashtable>] -AccountName
                                <System.String>          -CollaborationBranch          <System.String>          [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
    [-EncryptionKeyName <System.String>] [-EncryptionKeyVersion <System.String>] [-EncryptionUserAssignedIdentity
<System.String>] [-EncryptionVaultBaseUrl
    <System.String>] [-Force] [-GlobalParameterDefinition

<System.Collections.Generic.IDictionary`2[System.String,Microsoft.Azure.Management.DataFactory.Models.GlobalParamet
erSpecification]>] [-IdentityType <System.String>]
    [-PublicNetworkAccess <System.String>] [-LastCommitId <System.String>] [-DisablePublish] -ProjectName
<System.String> -RepositoryName <System.String> -RootFolder
                                <System.String>          [-TenantId          <System.String>]          [-UserAssignedIdentity
<System.Collections.Generic.IDictionary`2[System.String,System.Object]>] [-Confirm] [-WhatIf]
    [<CommonParameters>]

```

```

    Set-AzDataFactoryV2 [[-Location] <System.String>] [[-Tag] <System.Collections.Hashtable>] [-AccountName
<System.String>] [-CollaborationBranch <System.String>]
    [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EncryptionKeyName <System.String>]
    [-EncryptionKeyVersion <System.String>] [-EncryptionUserAssignedIdentity <System.String>] [-EncryptionVaultBaseUrl
<System.String>] [-Force]
                                [-GlobalParameterDefinition
<System.Collections.Generic.IDictionary`2[System.String,Microsoft.Azure.Management.DataFactory.Models.GlobalParamet
erSpecification]>]
    [-IdentityType <System.String>] [-PublicNetworkAccess <System.String>] -InputObject
<Microsoft.Azure.Commands.DataFactoryV2.Models.PSDataFactory> [-LastCommitId
    <System.String>] [-DisablePublish] -ProjectName <System.String> [-RepositoryName <System.String>] [-RootFolder
<System.String>] [-TenantId <System.String>]
    [-UserAssignedIdentity <System.Collections.Generic.IDictionary`2[System.String,System.Object]>] [-Confirm] [-WhatIf]
    [<CommonParameters>]

```

```

    Set-AzDataFactoryV2 [[-Location] <System.String>] [[-Tag] <System.Collections.Hashtable>] [-AccountName
<System.String>] [-CollaborationBranch <System.String>]

```

```

[-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EncryptionKeyName <System.String>]
[-EncryptionKeyVersion <System.String>] [-EncryptionUserAssignedIdentity <System.String>] [-EncryptionVaultBaseUrl
<System.String>] [-Force]
[-GlobalParameterDefinition
<System.Collections.Generic.IDictionary`2[System.String,Microsoft.Azure.Management.DataFactory.Models.GlobalParamet
erSpecification]>]
-HostName <System.String> [-IdentityType <System.String>] [-PublicNetworkAccess <System.String>] -InputObject
<Microsoft.Azure.Commands.DataFactoryV2.Models.PSDataFactory> [-LastCommitId <System.String>] [-DisablePublish]
[-RepositoryName <System.String>] [-RootFolder
<System.String>] [-UserAssignedIdentity <System.Collections.Generic.IDictionary`2[System.String,System.Object]>]
[-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzDataFactoryV2 [[-Location] <System.String>] [[-Tag] <System.Collections.Hashtable>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EncryptionKeyName <System.String>] [-EncryptionKeyVersion
<System.String>] [-EncryptionUserAssignedIdentity <System.String>] [-EncryptionVaultBaseUrl <System.String>] [-Force]
[-GlobalParameterDefinition
<System.Collections.Generic.IDictionary`2[System.String,Microsoft.Azure.Management.DataFactory.Models.GlobalParamet
erSpecification]>] [-IdentityType <System.String>]
[-PublicNetworkAccess <System.String>] -InputObject
<Microsoft.Azure.Commands.DataFactoryV2.Models.PSDataFactory> [-DisablePublish] [-UserAssignedIdentity
<System.Collections.Generic.IDictionary`2[System.String,System.Object]>] [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzDataFactoryV2 [-ResourceGroupName] <System.String> [-Name] <System.String> [-Location] <System.String>
[[[-Tag] <System.Collections.Hashtable>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EncryptionKeyName <System.String>] [-EncryptionKeyVersion
<System.String>] [-EncryptionUserAssignedIdentity <System.String>] [-EncryptionVaultBaseUrl <System.String>] [-Force]
[-GlobalParameterDefinition
<System.Collections.Generic.IDictionary`2[System.String,Microsoft.Azure.Management.DataFactory.Models.GlobalParamet
erSpecification]>] [-IdentityType <System.String>]
[-PublicNetworkAccess <System.String>] -InputObject
<Microsoft.Azure.Commands.DataFactoryV2.Models.PSDataFactory> [-DisablePublish] [-UserAssignedIdentity
<System.Collections.Generic.IDictionary`2[System.String,System.Object]>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

erSpecification]>] [-IdentityType <System.String>]
                [-PublicNetworkAccess <System.String>] [-DisablePublish] [-UserAssignedIdentity
<System.Collections.Generic.IDictionary`2[System.String,System.Object]>] [-Confirm]
        [-WhatIf] [<CommonParameters>]

Set-AzDataFactoryV2 [-ResourceId] <System.String> [-Location] <System.String> [[-Tag]
<System.Collections.Hashtable>] [-DefaultProfile
                <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EncryptionKeyName <System.String>] [-EncryptionKeyVersion
        <System.String>] [-EncryptionUserAssignedIdentity <System.String>] [-EncryptionVaultBaseUrl <System.String>] [-Force]
[-GlobalParameterDefinition

<System.Collections.Generic.IDictionary`2[System.String,Microsoft.Azure.Management.DataFactory.Models.GlobalParamet
erSpecification]>] [-IdentityType <System.String>]
                [-PublicNetworkAccess <System.String>] [-DisablePublish] [-UserAssignedIdentity
<System.Collections.Generic.IDictionary`2[System.String,System.Object]>] [-Confirm]
        [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The Set-AzDataFactoryV2 cmdlet creates a data factory with the specified resource group name and location. Perform these operations in the following order: --

Create a data factory. -- Create linked services. -- Create datasets. -- Create a pipeline.

PARAMETERS

-AccountName <System.String>

The account name for repo configuration.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-CollaborationBranch <System.String>

The collaboration branch for repo configuration.

Required? true

Position? named

Default value None

Accept pipeline input? False

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

-EncryptionKeyName <System.String>

The name of the key in Azure Key Vault to use as Customer Managed Key for encryption.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-EncryptionKeyVersion <System.String>

The version of the key used for CMK. If not provided, latest version will be used.

Required? false

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

-EncryptionUserAssignedIdentity <System.String>

User assigned identity to use to authenticate to customer's key vault. If not provided Managed Service Identity will be used.

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

-EncryptionVaultBaseUrl <System.String>

The url of the Azure Key Vault used for encryption with CMK.

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

-Force <System.Management.Automation.SwitchParameter>

Runs the cmdlet without prompting for confirmation.

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

<System.Collections.Generic.IDictionary`2[System.String,Microsoft.Azure.Management.DataFactory.Models.GlobalParameterSpecification]>

The dictionary containing the global parameters of the data factory.

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

-HostName <System.String>

The host name for GitHub repo configuration.

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

-IdentityType <System.String>

The Identity type that will be associated with your DataFactory. Options are 'SystemAssigned', 'UserAssigned' or 'SystemAssigned,UserAssigned'

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

-PublicNetworkAccess <System.String>

Whether or not public network access is allowed for the data factory. Options are 'Enabled' or 'Disabled'

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

-InputObject <Microsoft.Azure.Commands.DataFactoryV2.Models.PSDataFactory>

The data factory object.

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

-LastCommitId <System.String>

The last commit id for repo configuration.

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

-DisablePublish <System.Management.Automation.SwitchParameter>

Disable manual publish operation in ADF studio to favor automated publish.

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

-Location <System.String>

The data factory is created in this region.

Required? true

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Name <System.String>

The data factory name.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ProjectName <System.String>

The project name Azure DevOps for repo configuration.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RepositoryName <System.String>

The repository name for repo configuration.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

The resource group name.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceId <System.String>

The Azure resource ID of V2 data factory.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-RootFolder <System.String>

The root folder for repo configuration.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Tag <System.Collections.Hashtable>

The tags of the data factory.

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

-TenantId <System.String>

The tenant id for Azure DevOps repo configuration.

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

-UserAssignedIdentity <System.Collections.Generic.IDictionary`2[System.String,System.Object]>

The dictionary containing the user assigned identities of the data factory.

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 happens if the cmdlet runs, but doesn't run the cmdlet.

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

System.String

Microsoft.Azure.Commands.DataFactoryV2.Models.PSDataFactory

System.Collections.Hashtable

OUTPUTS

Microsoft.Azure.Commands.DataFactoryV2.Models.PSDataFactory

NOTES

Keywords: azure, azurearm, arm, resource, management, manager, data, factories

----- Example 1: Create a data factory -----

```
Set-AzDataFactoryV2 -ResourceGroupName "ADF" -Name "WikiADF" -Location "WestUS"
```

DataFactoryName : WikiADF

DataFactoryId :

/subscriptions/3e8e61b5-9a7d-4952-bfae-545ab997b9ea/resourceGroups/adf/providers/Microsoft.DataFactory/factories/wiki
adf

ResourceGroupName : ADF

Location : EastUS

Tags : {}

Identity : Microsoft.Azure.Management.DataFactory.Models.FactoryIdentity

ProvisioningState : Succeeded

RepoConfiguration :

Example 2: Create a data factory with repo configuration details using an existing factory object.

```
Get-AzDataFactoryV2 -ResourceGroupName "ADF" -Name "WikiADF" | Set-AzDataFactoryV2 -AccountName msdata  
-RepositoryName ADFRepo -CollaborationBranch master -RootFolder  
/ -ProjectName "Azure Data Factory"
```

DataFactoryName : WikiADF

DataFactoryId :

/subscriptions/3e8e61b5-9a7d-4952-bfae-545ab997b9ea/resourceGroups/adf/providers/Microsoft.DataFactory/factories/wiki
adf

ResourceGroupName : ADF

Location : EastUS

Tags : {}
Identity : Microsoft.Azure.Management.DataFactory.Models.FactoryIdentity
ProvisioningState : Succeeded
RepoConfiguration : Microsoft.Azure.Management.DataFactory.Models.FactoryVSTSConfiguration

This command creates a data factory named WikiADF in the resource group named ADF in the EastUS location with Azure DevOps source control configuration.

Example 3: Create a data factory with GitHub repo configuration details using a new factory object.

```
Set-AzDataFactoryV2 -ResourceGroupName "ADF" -Name "WikiADF" -Location 'EastUS' -HostName 'https://github.com'  
-AccountName msdata -RepositoryName ADFRepo  
-CollaborationBranch master -RootFolder /
```

DataFactoryName : WikiADF
DataFactoryId :
/subscriptions/3e8e61b5-9a7d-4952-bfae-545ab997b9ea/resourceGroups/adf/providers/Microsoft.DataFactory/factories/wiki
adf

ResourceGroupName : ADF
Location : EastUS
Tags : {}
Identity : Microsoft.Azure.Management.DataFactory.Models.FactoryIdentity
ProvisioningState : Succeeded
RepoConfiguration : Microsoft.Azure.Management.DataFactory.Models.FactoryGitHubConfiguration

This command creates a data factory named WikiADF in the resource group named ADF in the EastUS location with GitHub source control configuration..

RELATED LINKS

Get-AzDataFactoryV2

Remove-AzDataFactoryV2