



Windows PowerShell Get-Help on Cmdlet 'Set-AzDataFactoryV2IntegrationRuntime'

PS:\>Get-HELP Set-AzDataFactoryV2IntegrationRuntime -Full

NAME

Set-AzDataFactoryV2IntegrationRuntime

SYNOPSIS

Updates an integration runtime.

SYNTAX

```
Set-AzDataFactoryV2IntegrationRuntime [-ResourceGroupName] <System.String> [-DataFactoryName] <System.String>
[-Name] <System.String> [-AuthKey
    <System.Security.SecureString>] [-CatalogAdminCredential <System.Management.Automation.PSCredential>]
[-CatalogPricingTier <System.String>] [-CatalogServerEndpoint
    <System.String>] [-DataFlowComputeType <System.String>] [-DataFlowCoreCount <System.Nullable`1[System.Int32]>]
[-DataFlowTimeToLive <System.Nullable`1[System.Int32]>]
    [-DataFlowEnableQuickReuse] [-ManagedVNetCopyComputeScaleDataIntegrationUnit
    <System.Nullable`1[System.Int32]>] [-ManagedVNetCopyComputeScaleTimeToLive
    <System.Nullable`1[System.Int32]>] [-ManagedVNetPipelineExternalComputeScaleTimeToLive
    <System.Nullable`1[System.Int32]>] [-ManagedVNetNumberOfPipelineNodeCount
    <System.Nullable`1[System.Int32]>] [-ManagedVNetNumberOfExternalNodeCount <System.Nullable`1[System.Int32]>]
[-SelfContainedInteractiveAuthoringEnabled]
```

[-DataProxyIntegrationRuntimeName <System.String>] [-DataProxyStagingLinkedServiceName <System.String>]
 [-DataProxyStagingPath <System.String>] [-DefaultProfile
 <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Description
 <System.String>] [-Edition {Standard | Enterprise}]
 [-ExpressCustomSetup <System.Collections.ArrayList>] [-Force] [-LicenseType {LicenseIncluded | BasePrice}] [-Location
 <System.String>] [-MaxParallelExecutionsPerNode
 <System.Nullable`1[System.Int32]>] [-NodeCount <System.Nullable`1[System.Int32]>] [-NodeSize <System.String>]
 [-PublicIPs <System.String[]>]
 [-SetupScriptContainerSasUri <System.String>] [-Subnet <System.String>] [-SubnetId <System.String>] [-Type {Managed
 | SelfHosted}] [-VNetId <System.String>]
 [-VNetInjectionMethod {Standard | Express}] [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzDataFactoryV2IntegrationRuntime [-ResourceId] <System.String> [-AuthKey <System.Security.SecureString>]
 [-CatalogAdminCredential
 <System.Management.Automation.PSCredential>] [-CatalogPricingTier <System.String>] [-CatalogServerEndpoint
 <System.String>] [-DataFlowComputeType <System.String>]
 [-DataFlowCoreCount <System.Nullable`1[System.Int32]>] [-DataFlowTimeToLive <System.Nullable`1[System.Int32]>]
 [-DataFlowEnableQuickReuse
 [-ManagedVNetCopyComputeScaleDataIntegrationUnit <System.Nullable`1[System.Int32]>]
 [-ManagedVNetCopyComputeScaleTimeToLive <System.Nullable`1[System.Int32]>]
 [-ManagedVNetPipelineExternalComputeScaleTimeToLive <System.Nullable`1[System.Int32]>]
 [-ManagedVNetNumberOfPipelineNodeCount <System.Nullable`1[System.Int32]>]
 [-ManagedVNetNumberOfExternalNodeCount <System.Nullable`1[System.Int32]>]
 [-SelfContainedInteractiveAuthoringEnabled] [-DataProxyIntegrationRuntimeName
 <System.String>] [-DataProxyStagingLinkedServiceName <System.String>] [-DataProxyStagingPath <System.String>]
 [-DefaultProfile
 <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Description
 <System.String>] [-Edition {Standard | Enterprise}]
 [-ExpressCustomSetup <System.Collections.ArrayList>] [-Force] [-LicenseType {LicenseIncluded | BasePrice}] [-Location
 <System.String>] [-MaxParallelExecutionsPerNode
 <System.Nullable`1[System.Int32]>] [-NodeCount <System.Nullable`1[System.Int32]>] [-NodeSize <System.String>]
 [-PublicIPs <System.String[]>]
 [-SetupScriptContainerSasUri <System.String>] [-Subnet <System.String>] [-SubnetId <System.String>] [-Type {Managed

```

| SelfHosted}} [-VNetId <System.String>]
    [-VNetInjectionMethod {Standard | Express}} [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzDataFactoryV2IntegrationRuntime [-InputObject]
<Microsoft.Azure.Commands.DataFactoryV2.Models.PSIntegrationRuntime> [-AuthKey <System.Security.SecureString>]
    [-CatalogAdminCredential <System.Management.Automation.PSCredential>] [-CatalogPricingTier <System.String>]
[-CatalogServerEndpoint <System.String>]
    [-DataFlowComputeType <System.String>] [-DataFlowCoreCount <System.Nullable`1[System.Int32]>]
[-DataFlowTimeToLive <System.Nullable`1[System.Int32]>]
    [-DataFlowEnableQuickReuse] [-ManagedVNetCopyComputeScaleDataIntegrationUnit
<System.Nullable`1[System.Int32]>] [-ManagedVNetCopyComputeScaleTimeToLive
<System.Nullable`1[System.Int32]>] [-ManagedVNetPipelineExternalComputeScaleTimeToLive
<System.Nullable`1[System.Int32]>] [-ManagedVNetNumberOfPipelineNodeCount
<System.Nullable`1[System.Int32]>] [-ManagedVNetNumberOfExternalNodeCount <System.Nullable`1[System.Int32]>]
[-SelfContainedInteractiveAuthoringEnabled]
    [-DataProxyIntegrationRuntimeName <System.String>] [-DataProxyStagingLinkedServiceName <System.String>]
[-DataProxyStagingPath <System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Description
<System.String>] [-Edition {Standard | Enterprise}}
    [-ExpressCustomSetup <System.Collections.ArrayList>] [-Force] [-LicenseType {LicenseIncluded | BasePrice}} [-Location
<System.String>] [-MaxParallelExecutionsPerNode
<System.Nullable`1[System.Int32]>] [-NodeCount <System.Nullable`1[System.Int32]>] [-NodeSize <System.String>]
[-PublicIPs <System.String[]>]
    [-SetupScriptContainerSasUri <System.String>] [-Subnet <System.String>] [-SubnetId <System.String>] [-Type {Managed
| SelfHosted}} [-VNetId <System.String>]
    [-VNetInjectionMethod {Standard | Express}} [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzDataFactoryV2IntegrationRuntime [-ResourceGroupName] <System.String> [-DataFactoryName] <System.String>
[-Name] <System.String> [-DataFlowEnableQuickReuse]
    [-SelfContainedInteractiveAuthoringEnabled] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Description
<System.String>] [-Force] -SharedIntegrationRuntimeResourceId <System.String> [-Type {Managed | SelfHosted}}
[-Confirm] [-WhatIf] [<CommonParameters>]

```

```

Set-AzDataFactoryV2IntegrationRuntime [-InputObject]
<Microsoft.Azure.Commands.DataFactoryV2.Models.PSIntegrationRuntime> [-DataFlowEnableQuickReuse]
[-SelfContainedInteractiveAuthoringEnabled] [-DefaultProfile]
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Description
<System.String>] [-Force] -SharedIntegrationRuntimeResourceId <System.String> [-Type {Managed | SelfHosted}]
[-Confirm] [-WhatIf] [<CommonParameters>]

```

```

Set-AzDataFactoryV2IntegrationRuntime [-ResourceId] <System.String> [-DataFlowEnableQuickReuse]
[-SelfContainedInteractiveAuthoringEnabled] [-DefaultProfile]
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Description
<System.String>] [-Force] -SharedIntegrationRuntimeResourceId
<System.String> [-Type {Managed | SelfHosted}] [-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The Set-AzDataFactoryV2IntegrationRuntime cmdlet updates an integration runtime with specific parameters.

PARAMETERS

-AuthKey <System.Security.SecureString>

The authentication key of the self-hosted integration runtime.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-CatalogAdminCredential <System.Management.Automation.PSCredential>

The catalog database administrator credential of the integration runtime.

Required? false

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

-CatalogPricingTier <System.String>

The catalog database pricing tier of the integration runtime.

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

-CatalogServerEndpoint <System.String>

The catalog database server endpoint of the integration runtime.

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

-DataFactoryName <System.String>

The data factory name.

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

-DataFlowComputeType <System.String>

Compute type of the data flow cluster which will execute data flow job.

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

-DataFlowCoreCount <System.Nullable`1[System.Int32]>

Core count of the data flow cluster which will execute data flow job.

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

-DataFlowTimeToLive <System.Nullable`1[System.Int32]>

Time to live (in minutes) setting of the data flow cluster which will execute data flow job.

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

-DataFlowEnableQuickReuse <System.Management.Automation.SwitchParameter>

To whether enable data flow cluster to be reused in the next dataflow activity.

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

Accept wildcard characters? false

-ManagedVNetCopyComputeScaleDataIntegrationUnit <System.Nullable`1[System.Int32]>

DIU number setting reserved for copy activity execution.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ManagedVNetCopyComputeScaleTimeToLive <System.Nullable`1[System.Int32]>

Time to live (in minutes) setting of integration runtime which will execute copy activity.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ManagedVNetPipelineExternalComputeScaleTimeToLive <System.Nullable`1[System.Int32]>

Time to live (in minutes) setting of integration runtime which will execute pipeline and external activity.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ManagedVNetNumberOfPipelineNodeCount <System.Nullable`1[System.Int32]>

Number of the pipeline nodes, which should be greater than 0 and less than 11.

Required? false

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

-ManagedVNetNumberOfExternalNodeCount <System.Nullable`1[System.Int32]>

Number of the the external nodes, which should be greater than 0 and less than 11.

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

-SelfContainedInteractiveAuthoringEnabled <System.Management.Automation.SwitchParameter>

An alternative option to ensure interactive authoring function when your self-hosted integration runtime is unable to establish a connection with Azure Relay.

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

-DataProxyIntegrationRuntimeName <System.String>

The Self-Hosted Integration Runtime name which is used as a proxy

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

-DataProxyStagingLinkedServiceName <System.String>

The Azure Blob Storage Linked Service name that references the staging data store to be used when moving data between Self-Hosted and Azure-SSIS Integration

Runtime

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DataProxyStagingPath <System.String>

The path in staging data store to be used when moving data between Self-Hosted and Azure-SSIS Integration Runtimes, a default container will be used if unspecified

Required? false

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

-Description <System.String>

The integration runtime description.

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

-Edition <System.String>

The edition for SSIS integration runtime which could be Standard or Enterprise, default is Standard if it is not specified.

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

-ExpressCustomSetup <System.Collections.ArrayList>

The express custom setup for SSIS integration runtime which could be used to setup configurations and 3rd party components without custom setup script.

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

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

The integration runtime object.

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

-LicenseType <System.String>

The license type that you want to select for the SSIS IR. There are two types: LicenseIncluded or BasePrice. If you are qualified for the Azure Hybrid Use Benefit

(AHUB) pricing, please select BasePrice. If not, please select LicenseIncluded.

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

-Location <System.String>

The integration runtime location.

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

-MaxParallelExecutionsPerNode <System.Nullable`1[System.Int32]>

Maximum parallel execution count per node for a managed dedicated integration runtime.

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

-Name <System.String>

The integration runtime name.

Required? true
Position? 2
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-NodeCount <System.Nullable`1[System.Int32]>

Target nodes count of the integration runtime.

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

-NodeSize <System.String>

The integration runtime node size.

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

-PublicIPs <System.String[]>

The static public IP addresses which the integration runtime will use.

Required? false

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.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SetupScriptContainerSasUri <System.String>

The SAS URI of the Azure blob container that contains the custom setup script.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SharedIntegrationRuntimeResourceId <System.String>

The resource id of the shared self-hosted integration runtime.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Subnet <System.String>

The name of the subnet in the VNet.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SubnetId <System.String>

The ID of subnet, to which this Azure-SSIS integration runtime will be joined.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Type <System.String>

The integration runtime type.

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

-VNetId <System.String>

The ID of the VNet that the integration runtime joins.

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

-VNetInjectionMethod <System.String>

The edition for SSIS integration runtime which could be Standard or Enterprise, default is Standard if it is not specified.

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.PSIntegrationRuntime

OUTPUTS

Microsoft.Azure.Commands.DataFactoryV2.Models.PSIntegrationRuntime

NOTES

----- Example 1: Update integration runtime description. -----

```
Set-AzDataFactoryV2IntegrationRuntime -ResourceGroupName 'rg-test-dfv2' -DataFactoryName 'test-df-eu2' -Name
'test-selfhost-ir' `

-Description 'New description'

Id :
/subscriptions/b3ee3a7f-7614-4644-ad07-afa832620b4b/resourceGroups/rg-test-dfv2/providers/Microsoft.DataFactory/facto
ries/test-df-eu2/integrationru
ntimes/test-selfhost-ir
ResourceGroupName : rg-test-dfv2
DataFactoryName   : test-df-eu2
Name              : test-selfhost-ir
Description        : New description
```

The cmdlet updates the description of integration runtime named 'test-selfhost-ir'.

----- Example 2: Share Self-hosted integration runtime. -----

```
Set-AzDataFactoryV2IntegrationRuntime -ResourceGroupName 'rg-test-dfv2' -DataFactoryName 'test-df-eu2' -Name
'test-selfhost-ir' `

-SharedIntegrationRuntimeResourceId

/subscriptions/b3ee3a7f-7614-4644-ad07-afa832620b4b/resourceGroups/rg-test-dfv2/provid
ers/Microsoft.DataFactory/factories/test-df-eu2/integrationruntimes/test-selfhost-ir' -Type "SelfHosted"

Id :
/subscriptions/b3ee3a7f-7614-4644-ad07-afa832620b4b/resourceGroups/rg-test-dfv2/providers/Microsoft.DataFactory/facto
ries/test-df-eu2/integrationru
ntimes/test-selfhost-ir
ResourceGroupName : rg-test-dfv2
DataFactoryName   : test-df-eu2
Name              : test-selfhost-ir
```

Description : New description

The cmdlet adds the ADF to use the shared integration runtime. When using `-SharedIntegrationRuntimeResourceId`` parameter the `-Type`` must also be included. Note that

the data factory need to be granted permission to use the integration runtime before running cmdlet.

Example 3: Configure Self-Hosted IR as a proxy for Azure-SSIS IR in ADF.

```
Set-AzDataFactoryV2IntegrationRuntime -ResourceGroupName testgroup `
    -DataFactoryName testdf `
    -Name SSISIRWithDataProxy `
    -DataProxyIntegrationRuntimeName proxySelfhostedIR `
    -DataProxyStagingLinkedServiceName AzureBlobStorage `
    -DataProxyStagingPath teststaging
```

Location : EastUS

NodeSize : Standard_D8_v3

NodeCount : 1

MaxParallelExecutionsPerNode : 8

CatalogServerEndpoint :

CatalogAdminUserName :

CatalogAdminPassword :

CatalogPricingTier :

VNetId :

Subnet :

SubnetId :

VNetInjectionMethod : Express

PublicIPs :

State : Initial

LicenseType : LicenseIncluded

SetupScriptContainerSasUri :

DataProxyIntegrationRuntimeName : proxySelfhostedIR

DataProxyStagingLinkedServiceName : AzureBlobStorage

DataProxyStagingPath :

Edition : Standard

Name : SSISIRWithDataProxy

Type : Managed

ResourceGroupName : testgroup

DataFactoryName : testdf

Description :

Id :

/subscriptions/cb715d05-3337-4640-8c43-4f943c50d06e/resourceGroups/testgroup/providers/Microsoft.DataFactory/factories/testdf/integrationruntimes/SSISIRWithDataProxy

The cmdlet update Azure-SSIS integration runtime to use Self-hosted integration runtime as a data proxy.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.datafactory/set-azdatafactoryv2integrationruntime>

Set-AzDataFactoryV2IntegrationRuntime