



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

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

NAME

Set-AzSynapseIntegrationRuntime

SYNOPSIS

Updates an integration runtime.

SYNTAX

```
Set-AzSynapseIntegrationRuntime [-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]>] [-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]>] -Name
<System.String> [-NodeCount <System.Nullable`1[System.Int32]>]
```

[-NodeSize <System.String>] [-PublicIP <System.String[]>] [-ResourceGroupName <System.String>]
[-SetupScriptContainerSasUri <System.String>] [-Subnet <System.String>]
[-Type {Managed | SelfHosted}] [-VNetId <System.String>] -WorkspaceName <System.String> [-Confirm] [-WhatIf]
[<CommonParameters>]

Set-AzSynapseIntegrationRuntime [-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]>] [-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]>] -Name
<System.String> [-NodeCount <System.Nullable`1[System.Int32]>]

[-NodeSize <System.String>] [-PublicIP <System.String[]>] [-SetupScriptContainerSasUri <System.String>] [-Subnet
<System.String>] [-Type {Managed | SelfHosted}]

[-VNetId <System.String>] -WorkspaceObject <Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace>
[-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzSynapseIntegrationRuntime [-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]>] [-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>] [-PublicIP <System.String[]>] -ResourceId <System.String> [-SetupScriptContainerSasUri
<System.String>] [-Subnet <System.String>] [-Type {Managed |
SelfHosted}] [-VNetId <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzSynapseIntegrationRuntime [-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]>] [-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]
-InputObject
    <Microsoft.Azure.Commands.Synapse.Models.PSIntegrationRuntime> [-LicenseType {LicenseIncluded | BasePrice}]
[-Location <System.String>] [-MaxParallelExecutionsPerNode
    <System.Nullable`1[System.Int32]>] [-NodeCount <System.Nullable`1[System.Int32]>] [-NodeSize <System.String>]
[-PublicIP <System.String[]>]
[-SetupScriptContainerSasUri <System.String>] [-Subnet <System.String>] [-Type {Managed | SelfHosted}] [-VNetId
<System.String>] [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

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

```

```

Set-AzSynapseIntegrationRuntime [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Description
    <System.String>] [-Force] -Name <System.String> [-ResourceGroupName <System.String>]
-SharedIntegrationRuntimeResourceId <System.String> [-Type {Managed |

```

SelfHosted}} -WorkspaceName <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzSynapseIntegrationRuntime [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Description

<System.String>] [-Force] -Name <System.String> -SharedIntegrationRuntimeResourceId <System.String> [-Type
{Managed | SelfHosted}} -WorkspaceObject

<Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace> [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzSynapseIntegrationRuntime [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Description

<System.String>] [-Force] -ResourceId <System.String> -SharedIntegrationRuntimeResourceId <System.String> [-Type
{Managed | SelfHosted}} [-Confirm] [-WhatIf]

[<CommonParameters>]

DESCRIPTION

The Set-AzSynapseIntegrationRuntime 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

-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

-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>

Don't ask for confirmation.

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

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

The integration runtime object.

Required? true
Position? named

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 description.

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? named

Default value None

Accept pipeline input? False

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

-PublicIP <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>

Resource group name.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceId <System.String>

Resource identifier of Synapse integration runtime.

Required? true

Position? named

Default value None

Accept pipeline input? False

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

-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 which the integration runtime will join.

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

-WorkspaceName <System.String>

Name of Synapse workspace.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-WorkspaceObject <Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace>

workspace input object, usually passed through the pipeline.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

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

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [about_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace

Microsoft.Azure.Commands.Synapse.Models.PSIntegrationRuntime

OUTPUTS

Microsoft.Azure.Commands.Synapse.Models.PSIntegrationRuntime

NOTES

----- Example 1 -----

Set-AzSynapseIntegrationRuntime -WorkspaceName ContosoWorkspace -Name 'test-selfhost-ir' -Description 'New description'

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

----- Example 2 -----

```
Set-AzSynapseIntegrationRuntime -WorkspaceName ContosoWorkspace -Name 'test-selfhost-ir' `
                                -SharedIntegrationRuntimeResourceId
'/subscriptions/b3ee3a7f-7614-4644-ad07-afa832620b4b/resourceGroups/rg-test-dfv2/providers/
Microsoft.DataFactory/factories/test-df-eu2/integrationruntimes/test-selfhost-ir' -Type "SelfHosted"
```

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

Note that the workspace need to be granted permission to use the integration runtime before running cmdlet.

RELATED LINKS

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