



Windows PowerShell Get-Help on Cmdlet 'Get-SqlAgentJobStep'

PS:\>Get-HELP Get-SqlAgentJobStep -Full

NAME

Get-SqlAgentJobStep

SYNOPSIS

Gets a SQL JobStep object for each step that is present in the target instance of SQL Agent Job.

SYNTAX

```
Get-SqlAgentJobStep [[-Name] <String>] [-InputObject] <Job> [-AccessToken <PSObject>] [-Encrypt {Mandatory |
Optional | Strict}] [-HostNameInCertificate <String>]
[-ProgressAction <ActionPreference>] [-TrustServerCertificate] [<CommonParameters>]
```

```
Get-SqlAgentJobStep [[-Name] <String>] [[-Path] <String>] [-AccessToken <PSObject>] [-Encrypt {Mandatory | Optional |
Strict}] [-HostNameInCertificate <String>]
[-ProgressAction <ActionPreference>] [-TrustServerCertificate] [<CommonParameters>]
```

DESCRIPTION

The Get-SqlAgentJobStep cmdlet gets a SQL JobStep object for each step that is present in the target instance of SQL Agent Job. If you provide the name of the job

step, the cmdlet gets only this specific JobStep object.

This cmdlet supports the following modes of operation to return a collection of JobStep objects:

- Pass the instance of the SQL Agent Job in the input.
- Specify the Path parameter of the Job instance.
- Invoke the cmdlet in a valid context.

PARAMETERS

-AccessToken <PSObject>

The access token used to authenticate to SQL Server, as an alternative to user/password or Windows Authentication.

This can be used, for example, to connect to `SQL Azure DB` and `SQL Azure Managed Instance` using a `Service Principal` or a `Managed Identity`.

The parameter to use can be either a string representing the token or a `PSAccessToken` object as returned by running `Get-AzAccessToken -ResourceUrl https://database.windows.net`.`

> This parameter is new in v22 of the module.

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

-Encrypt <String>

The encryption type to use when connecting to SQL Server.

This value maps to the `Encrypt` property `SqlConnectionEncryptOption` on the SqlConnection object of the Microsoft.Data.SqlClient driver.

In v22 of the module, the default is `Optional` (for compatibility with v21). In v23+ of the module, the default value will be 'Mandatory', which may create a breaking change for existing scripts.

> This parameter is new in v22 of the module.

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

-HostNameInCertificate <String>

The host name to be used in validating the SQL Server TLS/SSL certificate. You must pass this parameter if your SQL Server instance is enabled for Force

Encryption and you want to connect to an instance using hostname/shortname. If this parameter is omitted then passing the Fully Qualified Domain Name (FQDN) to

-ServerInstance is necessary to connect to a SQL Server instance enabled for Force Encryption.

> This parameter is new in v22 of the module.

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

-InputObject <Job>

Specifies the job object of the target instance.

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

-Name <String>

Specifies the name of the JobStep object that this cmdlet gets.

Required?	false
Position?	1
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-Path <String>

Specifies the path to the job object on which this cmdlet runs the operation. If you do not specify a value for this parameter, the cmdlet uses the current working location.

Required?	false
Position?	2
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-ProgressAction <ActionPreference>

Determines how PowerShell responds to progress updates generated by a script, cmdlet, or provider, such as the progress bars generated by the Write-Progress cmdlet. The Write-Progress cmdlet creates progress bars that show a command's status.

Required?	false
Position?	named

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

`-TrustServerCertificate [<SwitchParameter>]`

Indicates whether the channel will be encrypted while bypassing walking the certificate chain to validate trust.

In v22 of the module, the default is ``$true`` (for compatibility with v21). In v23+ of the module, the default value will be `'$false'`, which may create a breaking change for existing scripts.

> This parameter is new in v22 of the module.

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.SqlServer.Management.Smo.Agent.Job

OUTPUTS

System.Object

NOTES

-- Example 1: Get all JobStep instances in the job instances --

```
PS C:\> Get-SqlAgent -ServerInstance "MyServerInstance" | Get-SqlAgentJob | Get-SqlAgentJobStep
```

Name	ID	OnSuccessAction	OnFailAction	LastRunDate	LastRunDuration
----	--	-----	-----	-----	
step1	1	QuitWithSuccess	QuitWithFailure	1/1/0001 12:00:00 AM	4.03:23:45
step2	2	QuitWithSuccess	QuitWithFailure	1/1/0001 12:00:00 AM	00:33:59
step3	3	GoToNextStep	QuitWithSuccess	1/1/0001 12:00:00 AM	00:00:11

This command uses the Get-SqlAgent cmdlet to get the server instance named 'MyServerInstance' then passes the result using the pipeline to the Get-SqlAgentJob cmdlet.

The command then passes the result using the pipeline to the Get-SqlAgentJobStep cmdlet to get all JobStep instances.

----- Example 2: Get a JobStep instance by name -----

```
PS C:\> Get-SqlAgent -ServerInstance "MyServerInstance" | Get-SqlAgentJob | Get-SqlAgentJobStep -Name "Step1"
```

Name	ID	OnSuccessAction	OnFailAction	LastRunDate	LastRunDuration
----	--	-----	-----	-----	
step1	1	QuitWithSuccess	QuitWithFailure	1/1/0001 12:00:00 AM	4.03:23:45

This command uses the Get-SqlAgent cmdlet to get the server instance named 'MyServerInstance' then passes the result using the pipeline to the Get-SqlAgentJob cmdlet.

The command then passes the result using the pipeline to the Get-SqlAgentJobStep cmdlet to get the JobStep instance named 'Step1'.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/sqlserver/get-sqlagentjobstep>

[Get-SqlAgent](#)

[Get-SqlAgentJob](#)

[Get-SqlAgentJobHistory](#)

[Get-SqlAgentJobSchedule](#)

[Get-SqlAgentSchedule](#)