



## ***Windows PowerShell Get-Help on Cmdlet 'Get-SqlAgentJob'***

***PS:\>Get-HELP Get-SqlAgentJob -Full***

### NAME

Get-SqlAgentJob

### SYNOPSIS

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

### SYNTAX

```
Get-SqlAgentJob [[-Name] <String>] [[-ServerInstance] <String[]>] [-AccessToken <PSObject>] [-ConnectionTimeout
<Int32>] [-Credential <PSCredential>] [-Encrypt
{Mandatory | Optional | Strict}] [-HostNameInCertificate <String>] [-ProgressAction <ActionPreference>]
[-TrustServerCertificate] [<CommonParameters>]
```

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

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

## DESCRIPTION

The Get-SqlAgentJob cmdlet gets a SQL Agent Job object for each job that is present in the target instance of SQL Agent. If the name of the job is provided, the cmdlet gets only this specific job object.

This cmdlet supports the following modes of operation to get a collection of Job objects:

- Specify the path of the SQL Agent instance.
- Pass the instance of the SQL Agent in the input.
- 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

**-ConnectionTimeout <Int32>**

Specifies the number of seconds to wait for a server connection before a time-out failure. The time-out value must be an integer Value between 0 and 65534. If 0

is specified, connection attempts do not time out.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

**-Credential <PSCredential>**

Specifies a PSCredential object used to specify the credentials for a SQL Server login that has permission to perform this operation.

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 <JobServer>

Specifies a SQL Management Objects (SMO) object representing the SQL Server Agent being targeted.

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

-Name <String>

Specifies the name of the Job object that this cmdlet gets. The name may or may not be case-sensitive, depending on the collation of the SQL Server where the SQL

Agent is running.

Required? false

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

**-Path <String>**

Specifies the path to the Agent of SQL Server 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

**-ServerInstance <String[]>**

Specifies, as a string array, the name of an instance of SQL Server where the SQL Agent is running. For default instances, only specify the computer name:

MyComputer. For named instances, use the format ComputerName\InstanceName.

|                             |                |
|-----------------------------|----------------|
| Required?                   | false          |
| Position?                   | 2              |
| Default value               | None           |
| Accept pipeline input?      | True (ByValue) |
| 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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

## INPUTS

## OUTPUTS

System.Object

## NOTES

Example 1: Get all Job instances from the specified server instance

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

| Name                  | Owner                        | Category                | Enabled | CurrentRunStatus | DateCreated           |
|-----------------------|------------------------------|-------------------------|---------|------------------|-----------------------|
| LastModified          | JobID                        |                         |         |                  |                       |
| ----                  | ----                         | -----                   | -----   | -----            | -----                 |
| MyJob1                | Owner                        | [Uncategorized (Local)] | True    | Idle             | 6/2/2016 10:21:44 AM  |
| 10:21:44 AM           | 841255df-06e8-43ef-b798-3... |                         |         |                  | 6/2/2016              |
| MyJob2                | Owner                        | [Uncategorized (Local)] | True    | Idle             | 5/31/2016 2:40:58 PM  |
| 5:09:40 PM            | 995b296a-cd35-4505-868a-3... |                         |         |                  | 6/1/2016              |
| MyJob3                | Owner                        | [Uncategorized (Local)] | True    | Idle             | 5/25/2016 12:13:56 PM |
| 5/25/2016 12:13:56 PM | 01d2e61a-9a90-4f77-98f4-e... |                         |         |                  |                       |

This command gets all Job instances in the server instance named 'MyServerInstance'.

Example 2: Get a job instance by name from the specified server instance

```
PS C:\> Get-SqlAgent -ServerInstance MyServerInstance | Get-SqlAgentJob -Name MyJob1
```

| Name         | Owner | Category | Enabled | CurrentRunStatus | DateCreated |
|--------------|-------|----------|---------|------------------|-------------|
| LastModified | JobID |          |         |                  |             |
| ----         | ----  | -----    | -----   | -----            | -----       |

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|        |       |                         |      |      |                      |          |
|--------|-------|-------------------------|------|------|----------------------|----------|
| MyJob1 | Owner | [Uncategorized (Local)] | True | Idle | 6/2/2016 10:21:44 AM | 6/2/2016 |
|--------|-------|-------------------------|------|------|----------------------|----------|

10:21:44 AM

841255df-06e8-43ef-b798-3...

This command gets the Job instance named 'MyJob1' in the Server Instance named 'MyServerInstance'.

#### RELATED LINKS

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

Get-SqlAgent

Get-SqlAgentJobHistory

Get-SqlAgentJobSchedule

Get-SqlAgentJobStep