



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

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

NAME

Get-SqlAgentSchedule

SYNOPSIS

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

SYNTAX

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

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

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

DESCRIPTION

The `Get-SqlAgentSchedule` cmdlet gets a SQL JobSchedule object for each schedule that is present in the target instance of SQL Agent. If you provide the name of the schedule, the cmdlet only gets that specific JobSchedule object.

The cmdlet queries the `Microsoft.SqlServer.Management.Smo.Agent.SharedSchedules` SQL Server Management Object (SMO) object. If you are interested in schedules associated to a specific job, use the `Get-SqlAgentJobSchedule` cmdlet.

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

- Specify the instance of the SQL Agent.
- 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 -ResourceUri 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 that this cmdlet waits 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 the SQL Server Agent 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 JobSchedule 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 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 the name of an instance of SQL Server, as an array, 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

System.String[]

Microsoft.SqlServer.Management.Smo.Agent.JobServer

OUTPUTS

System.Object

NOTES

Example 1: Get all job schedules on the specified server instance

```
PS C:\> Get-SqlAgentSchedule -ServerInstance MyComputer | ? { $_.JobCount -eq 0 }
```

Name	Jobs	Enabled	DateCreated	ActiveStartDate	ActiveEndDate	ID
-----	----	-----	-----	-----	--	
EveryDay	0	True	4/13/2016 11:36:30 AM	4/13/2016 12:00:00 AM	12/31/9999 12:00:00 AM	3
OnceAWeek	0	True	4/13/2016 11:36:30 AM	4/13/2016 12:00:00 AM	12/31/9999 12:00:00 AM	

4

This command gets all the job schedules on the SQL Agent that are located on the server instance named 'MyComputer' which have no jobs.

RELATED LINKS

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

Get-SqlAgent

Get-SqlAgentJob

Get-SqlAgentJobHistory

Get-SqlAgentJobStep