



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

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

NAME

Get-SqlAgent

SYNOPSIS

Gets a SQL Agent object that is present in the target instance of SQL Server.

SYNTAX

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

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

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

DESCRIPTION

The Get-SqlAgent cmdlet gets a SQL Agent object that is present in the target instance of the SQL Server.

This cmdlet supports the following modes of operation: - Specify the ServerInstance object of the target instance of SQL Server.

- Specify the Path parameter of an instance of SQL Server.

- 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
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Position?	named
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Default value	None
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Accept pipeline input?	False
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Accept wildcard characters?	false
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-ConnectionTimeout <Int32>

Specifies the number of seconds to wait for a SQL Server connection before a timeout failure. The timeout 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
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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 <Server>

Specifies the server object of the target instance.

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

-Path <String>

Specifies the path to the instance 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? 1
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, that becomes the target of the operation.

Required? false
Position? 1
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

Microsoft.SqlServer.Management.Smo.Server

System.String[]

OUTPUTS

System.Object

NOTES

----- Example 1: Get the SQL Agent of a server instance -----

```
PS C:\> Get-SqlAgent -ServerInstance "SERVERNAME\INSTANCENAME"
```

```
AgentDomainGroup      : NT SERVICE\SQLSERVERAGENT
```

```
AgentLogLevel         : Errors, Warnings
```

```
AgentMailType         : SqlAgentMail
```

```
AgentShutdownWaitTime : 15
```

```
...
```

This command gets the SQL Agent of the server instance named 'INSTANCENAME' on server 'SERVERNAME'.

RELATED LINKS

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

[Get-SqlAgentJob](#)

[Get-SqlAgentJobHistory](#)

[Get-SqlAgentJobSchedule](#)

[Get-SqlAgentJobStep](#)