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

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

NAME

   Get-SqlAgentJobHistory

SYNOPSIS

   Gets the job history present in the target instance of SQL Agent.

SYNTAX

   Get-SqlAgentJobHistory [[-ServerInstance] <String[]>] [-AccessToken <PSObject>] [-ConnectionTimeout <Int32>] [-Credential <PSCredential>] [-Encrypt {Mandatory |

   Optional | Strict}] [-EndRunDate <DateTime>] [-HostNameInCertificate <String>] [-JobID <Guid>] [-JobName <String>] [-MinimumRetries <Int32>]

   [-MinimumRunDurationInSeconds <Int32>] [-OldestFirst] [-OutcomesType {Failed | Succeeded | Retry | Cancelled | InProgress | Unknown}] [-ProgressAction

   <ActionPreference>] [-Since {Midnight | Yesterday | LastWeek | LastMonth}] [-SqlMessageID <Int32>] [-SqlSeverity <Int32>] [-StartRunDate <DateTime>]

   [-TrustServerCertificate] [<CommonParameters>]

   Get-SqlAgentJobHistory [-InputObject] <JobServer[]> [-AccessToken <PSObject>] [-Encrypt {Mandatory | Optional | Strict}] [-EndRunDate <DateTime>]

[-HostNameInCertificate <String>] [-JobID <Guid>] [-JobName <String>] [-MinimumRetries <Int32>] [-MinimumRunDurationInSeconds <Int32>] [-OldestFirst] [-OutcomesType

   {Failed | Succeeded | Retry | Cancelled | InProgress | Unknown}] [-ProgressAction <ActionPreference>] [-Since {Midnight | Yesterday | LastWeek | LastMonth}]

       [-SqlMessageID <Int32>] [-SqlSeverity <Int32>] [-StartRunDate <DateTime>] [-TrustServerCertificate] [<CommonParameters>]

   Get-SqlAgentJobHistory [[-Path] <String[]>] [-AccessToken <PSObject>] [-Encrypt {Mandatory | Optional | Strict}] [-EndRunDate <DateTime>] [-HostNameInCertificate

   <String>] [-JobID <Guid>] [-JobName <String>] [-MinimumRetries <Int32>] [-MinimumRunDurationInSeconds <Int32>] [-OldestFirst] [-OutcomesType {Failed | Succeeded |

   Retry | Cancelled | InProgress | Unknown}] [-ProgressAction <ActionPreference>] [-Since {Midnight | Yesterday | LastWeek | LastMonth}] [-SqlMessageID <Int32>]

   [-SqlSeverity <Int32>] [-StartRunDate <DateTime>] [-TrustServerCertificate] [<CommonParameters>]

DESCRIPTION

   The Get-SqlAgentJobHistory cmdlet gets the JobHistory object present in the target instance of SQL Agent.

   This cmdlet supports the following modes of operation to get the JobHistory object:

   - 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 that is 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

-EndRunDate <DateTime>

Specifies a job filter constraint that restricts the values returned to the date the job completed.

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 an array of SQL Server Management Object (SMO) objects that represent the SQL Server Agent being

targeted.

    Required?   true

    Position?   1

    Default value   None

    Accept pipeline input?   True (ByValue)

    Accept wildcard characters? false

  -JobID <Guid>

    Specifies a job filter constraint that restricts the values returned to the job specified by the job ID value.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

  -JobName <String>

    Specifies a job filter constraint that restricts the values returned to the job specified by the name of the job.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-MinimumRetries <Int32>

Specifies the job filter constraint that restricts the values returned to jobs that have failed and been retried for minimum number of times.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-MinimumRunDurationInSeconds <Int32>

Specifies a job filter constraint that restricts the values returned to jobs that have completed in the minimum length of time specified, in seconds.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-OldestFirst [<SwitchParameter>]

Indicates that this cmdlet lists jobs in oldest-first order. If you do not specify this parameter, the cmdlet uses newest-first order.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

-OutcomesType <CompletionResult>

Specifies a job filter constraint that restricts the values returned to jobs that have the specified outcome at completion.

The acceptable values for this parameter are:

-- Failed

-- Succeeded

-- Retry

-- Cancelled

-- InProgress

-- Unknown

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-Path <String[]>

Specifies the path to the Agent of SQL Server, as an array, 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, where the SQL Agent runs. For default instances, only specify the computer name: MyComputer. For

named instances, use the format ComputerName\InstanceName.

Required?   false

Position?   1

Default value   None

Accept pipeline input?   True (ByValue)

Accept wildcard characters? false

-Since <SinceType>

Specifies an abbreviation that you can instead of the StartRunDate parameter.

It can be specified with the EndRunDate parameter.

You cannot use the StartRunDate parameter, if you use this parameter.

The acceptable values for this parameter are:

- Midnight (gets all the job history information generated after midnight)

- Yesterday (gets all the job history information generated in the last 24 hours)

- LastWeek (gets all the job history information generated in the last week)

- LastMonth (gets all the job history information generated in the last month)

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

-SqlMessageID <Int32>

    Specifies a job filter constraint that restricts the values returned to jobs that have generated the specified message
during runtime.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

-SqlSeverity <Int32>

    Specifies a job filter constraint that restricts the values returned to jobs that have generated an error of the specified
severity during runtime.

    Required?   false

    Position?   named

    Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-StartRunDate <DateTime>

Specifies a job filter constraint that restricts the values returned to the date the job started.

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

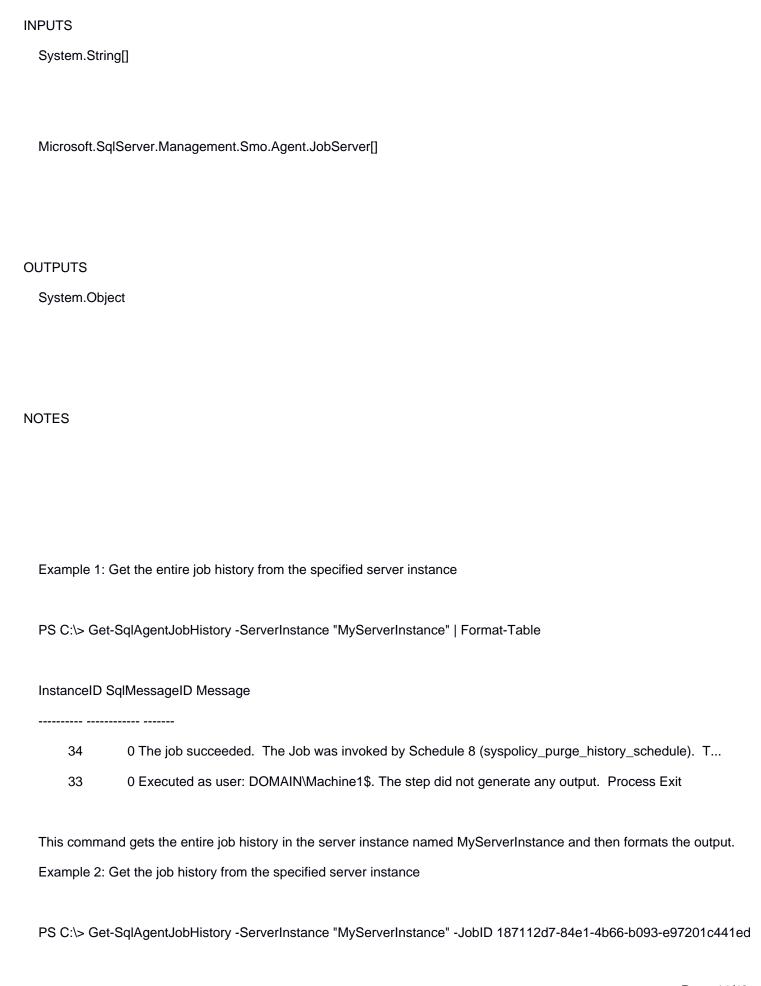Accept wildcard characters? false

<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

System.String[]

Microsoft.SqlServer.Management.Smo.Agent.JobServer[]

OUTPUTS

System.Object

NOTES

Example 1: Get the entire job history from the specified server instance

PS C:\> Get-SqlAgentJobHistory -ServerInstance "MyServerInstance" | Format-Table

InstanceID SqlMessageID Message

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   34   0 The job succeeded. The Job was invoked by Schedule 8 (syspolicy_purge_history_schedule). T...

   33   0 Executed as user: DOMAIN\Machine1$. The step did not generate any output. Process Exit

This command gets the entire job history in the server instance named MyServerInstance and then formats the output.

Example 2: Get the job history from the specified server instance

PS C:\> Get-SqlAgentJobHistory -ServerInstance "MyServerInstance" -JobID 187112d7-84e1-4b66-b093-e97201c441ed

JobID   : 187112d7-84e1-4b66-b093-e97201c441ed

```
JobName       : Job_73cc6990-6386-49f9-9826-96c318ad8afa

RunStatus     : 3
```

This command gets the job history of the job object with ID '187112d7-84e1-4b66-b093-e97201c441ed' in the server instance named 'MyServerInstance'.

Example 3: Get the job history from a time duration from the specified server instance

```
PS C:\> Get-SqlAgentJobHistory -ServerInstance "MyServerInstance" -Since Yesterday

InstanceID    : 4

SqlMessageID  : 0

Message       : The job was stopped prior to completion by User admin.  The Job was invoked by User

                admin.  The last step to run was step 1 (JobStep_3e4cd4ba-3433-4311-a6a2-816884101504).
```

This command returns the job history since the day before in the server instance named 'MyServerInstance'.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/sqlserver/get-sqlagentjobhistory

Get-SqlAgent

Get-SqlAgentJob

Get-SqlAgentJobSchedule

Get-SqlAgentJobStep