



Windows PowerShell Get-Help on Cmdlet 'Register-ScheduledTask'

PS:\>Get-HELP Register-ScheduledTask -Full

NAME

Register-ScheduledTask

SYNOPSIS

Registers a scheduled task definition on a local computer.

SYNTAX

```
Register-ScheduledTask [-TaskName] <String> [[-TaskPath] <String>] [-Action] <CimInstance[]> [[-Trigger]
<CimInstance[]>] [[-User] <String>] [[-Password] <String>]
```

```
[[[-Settings] <CimInstance>] [[-RunLevel] {Limited | Highest}] [[-Description] <String>] [-AsJob] [-CimSession
<CimSession[]>] [-Force] [-ThrottleLimit <Int32>]
```

```
[<CommonParameters>]
```

```
Register-ScheduledTask [-TaskName] <String> [[-TaskPath] <String>] [-Action] <CimInstance[]> [[-Trigger]
<CimInstance[]>] [[-Settings] <CimInstance>] [[-Principal]
```

```
<CimInstance>] [[-Description] <String>] [-AsJob] [-CimSession <CimSession[]>] [-Force] [-ThrottleLimit <Int32>]
[<CommonParameters>]
```

```
Register-ScheduledTask [[-TaskName] <String>] [[-TaskPath] <String>] [-InputObject] <CimInstance> [[-User] <String>]
```

```
[[[-Password] <String>] [-AsJob] [-CimSession  
  <CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Register-ScheduledTask [-TaskName] <String> [[[-TaskPath] <String>] [-Xml] <String> [[[-User] <String>] [[[-Password]  
<String>] [-AsJob] [-CimSession <CimSession[]>]  
  [-Force] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

DESCRIPTION

The Register-ScheduledTask cmdlet registers a scheduled task definition on a local computer.

You can register a task to run executable files (`.exe` and `.com`), batch files (`.bat` and `.cmd`), or any registered file type. However, this cmdlet does not check whether the file you intend it to run is compatible with your version, edition, or platform specialization of Windows.

PARAMETERS

-Action <CimInstance[]>

Specifies an array of one or more work items for the task to run. If you specify multiple actions, the computer runs them in order. You can specify up to 32 actions.

Required? true

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

Required? false

Position? named

Default value False
Accept pipeline input? False
Accept wildcard characters? false

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession

(/powershell/module/cimcmdlets/new-cimsession) or

[Get-CimSession](/powershell/module/cimcmdlets/get-cimsession)cmdlet. The default is the current session on the local computer.

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

-Description <String>

Briefly describes the task.

Required? false
Position? 8
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Force [<SwitchParameter>]

Instructs the cmdlet to perform the operation without prompting for confirmation.

Required? false
Position? named
Default value False
Accept pipeline input? False

Accept wildcard characters? false

-InputObject <CimInstance>

Specifies the input object that is used in a pipeline command.

Required? true

Position? 2

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Password <String>

Specifies a password for the user account in the context of which the task runs. The password is ignored for the well-known system accounts.

Well-known accounts are: NT AUTHORITY\SYSTEM, NT AUTHORITY\LOCALSERVICE, NT AUTHORITY\NETWORKSERVICE, and the well-known security identifiers (SIDs) for all three accounts.

Required? false

Position? 4

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Principal <CimInstance>

Specifies the security context in which a task is run.

Required? false

Position? 5

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RunLevel <RunLevelEnum>

Specifies the required privilege level to run tasks that are associated with the principal.

Required? false

Position? 7

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Settings <CimInstance>

Specifies a configuration that the Task Scheduler service uses to determine how to run a task.

Required? false

Position? 4

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TaskName <String>

Specifies the name of a scheduled task.

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TaskPath <String>

Specifies an array of one or more paths for scheduled tasks in Task Scheduler namespace. You can use "*" for a wildcard character query. You can use \ for the

root folder. To specify a full TaskPath you need to include the leading and trailing \ *. If you do not specify a path, the cmdlet uses the root folder.

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

-ThrottleLimit <Int32>

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

Windows PowerShell calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit

applies only to the current cmdlet, not to the session or to the computer.

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

-Trigger <CimInstance[]>

Specifies an array of one or more trigger objects that start a scheduled task. A task can have a maximum of 48 triggers.

Required?	false
Position?	3
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-User <String>

Specifies the name of the user account in the context of which Windows runs the task.

Required?	false
Position?	3
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-Xml <String>

Specifies the XML string that contains a task definition.

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

Microsoft.Management.Infrastructure.CimInstance#MSFT_ScheduledTask

NOTES

----- Example 1: Register a scheduled task -----

```
PS C:\> $Time = New-ScheduledTaskTrigger -At 12:00 -Once
PS C:\> $User = "Contoso\Administrator"
PS C:\> $PS = New-ScheduledTaskAction -Execute "PowerShell.exe"
PS C:\> Register-ScheduledTask -TaskName "SoftwareScan" -Trigger $Time -User $User -Action $PS
```

In this example, the set of commands uses cmdlets and variables to define and register a scheduled task.

The first command uses the New-ScheduledTaskTrigger cmdlet to assign a time trigger to the \$Time variable.

The second command assigns the \$User variable the name of the user account in the context of which the task runs (Contoso\Administrator).

The third command assigns the \$PS variable to PowerShell.exe. This variable is used to define a task action.

The fourth command registers a scheduled task that is named SoftwareScan in the root folder. The registered task uses the pre-created action and trigger values that are specified by the \$Action and \$User variables.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/scheduledtasks/register-scheduledtask?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Disable-ScheduledTask

Enable-ScheduledTask

Export-ScheduledTask

Get-ScheduledTask

New-ScheduledTask

Set-ScheduledTask

Start-ScheduledTask

Stop-ScheduledTask

Unregister-ScheduledTask

