



python



PowerShell

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### **PowerShell Get-Help on command 'Register-ScheduledTask'**

**PS C:\Users\wahid> Get-Help Register-ScheduledTask**

#### 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.

**-AsJob [<SwitchParameter>]**

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

**-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.

**-Description <String>**

Briefly describes the task.

**-Force [<SwitchParameter>]**

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

**-InputObject <CimInstance>**

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

**-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.

**-Principal <CimInstance>**

Specifies the security context in which a task is run.

**-RunLevel <RunLevelEnum>**

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

**-Settings <CimInstance>**

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

**-TaskName <String>**

Specifies the name of a scheduled task.

#### -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.

#### -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.

#### -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.

#### -User <String>

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

#### -Xml <String>

Specifies the XML string that contains a task definition.

#### <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>).

----- 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.

#### REMARKS

To see the examples, type: `"get-help Register-ScheduledTask -examples"`.

For more information, type: `"get-help Register-ScheduledTask -detailed"`.

For technical information, type: `"get-help Register-ScheduledTask -full"`.

For online help, type: `"get-help Register-ScheduledTask -online"`