
## *Windows PowerShell Get-Help on Cmdlet 'New-ScheduledTaskTrigger'*

***PS:\>Get-HELP New-ScheduledTaskTrigger -Full***

NAME

New-ScheduledTaskTrigger

SYNOPSIS

Creates a scheduled task trigger object.

SYNTAX

New-ScheduledTaskTrigger [-Once] [-AsJob] -At <DateTime> [-CimSession <CimSession[]>] [-RandomDelay <TimeSpan>] [-RepetitionDuration <TimeSpan>] [-RepetitionInterval

<TimeSpan>] [-ThrottleLimit <Int32>] [<CommonParameters>]

New-ScheduledTaskTrigger [-Daily] [-AsJob] -At <DateTime> [-CimSession <CimSession[]>] [-DaysInterval <UInt32>] [-RandomDelay <TimeSpan>] [-ThrottleLimit <Int32>]

[<CommonParameters>]

New-ScheduledTaskTrigger [-Weekly] [-AsJob] -At <DateTime> [-CimSession <CimSession[]>] [-DaysOfWeek {Sunday | Monday | Tuesday | Wednesday | Thursday | Friday |

Saturday}] [-RandomDelay <TimeSpan>] [-ThrottleLimit <Int32>] [-WeeksInterval <UInt32>] [<CommonParameters>]

New-ScheduledTaskTrigger [-AtLogOn] [-AsJob] [-CimSession <CimSession[]>] [-RandomDelay <TimeSpan>] [-ThrottleLimit <Int32>] [-User <String>] [<CommonParameters>]

New-ScheduledTaskTrigger [-AtStartup] [-AsJob] [-CimSession <CimSession[]>] [-RandomDelay <TimeSpan>] [-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The New-ScheduledTaskTrigger cmdlet creates and returns a new scheduled task trigger object.

You can use a time-based trigger or an event-based trigger to start a task. Time-based triggers include starting a task at a specific time or starting a task multiple

times on a daily or weekly schedule. Event-based triggers include starting a task when the system starts up or when a user logs on to the computer. Each task can

contain one or more triggers, which means there are many ways that you can start a task. If a task has multiple triggers, Task Scheduler starts the task when any of

the triggers occur.

PARAMETERS

-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

-At <DateTime>

Specifies a date and time to trigger the task. This parameter is valid for calendar-based triggers (Once, Daily, Weekly).

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-AtLogOn [<SwitchParameter>]

Indicates that a trigger starts a task when a user logs on.

Required? true

Position? 0

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AtStartup [<SwitchParameter>]

Indicates that a trigger starts a task when the system is started.

Required? true

Position? 0

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 Common Information Model (CIM) session object that represents a connection

to a local computer or a remote computer, such as the output of a New-CimSession or 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

-Daily [<SwitchParameter>]

Indicates that a trigger starts a task on a recurring daily schedule.

Required? true

Position? 0

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-DaysInterval <UInt32>

Specifies the interval between the days in the schedule. An interval of 1 produces a daily schedule. An interval of 2 produces an every-other day schedule.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DaysOfWeek <DayOfWeek[]>

Specifies an array of the days of the week on which Task Scheduler runs the task.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Once [<SwitchParameter>]

Indicates that a trigger starts a task once at a time specified in the At parameter.

Required? true

Position? 0

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-RandomDelay <TimeSpan>

Specifies a random amount of time to delay the start time of the trigger. The delay time is a random time between the time the task triggers and the time that you

specify in this setting.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RepetitionDuration <TimeSpan>

Specifies how long the repetition pattern repeats after the task starts.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RepetitionInterval <TimeSpan>

Specifies an amount of time between each restart of the task. The task will run, wait for the time interval specified, and then run again. This cycle continues

for the time that you specify for the RepetitionDuration parameter.

Required? false

Position? named

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 PowerShellr 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

-User <String>

Specifies the identifier of the user for a trigger that starts a task when a user logs on.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Weekly [<SwitchParameter>]

Indicates that the trigger starts a task on a recurring weekly schedule.

Required? true

Position? 0

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WeeksInterval <UInt32>

Specifies the interval between the weeks in the schedule. An interval of 1 produces a weekly schedule. An interval of 2 produces an every-other week schedule.

Required? false

Position? named

Default value None

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

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#MSFT_TaskTrigger

NOTES

- Example 1: Register a scheduled task that starts a task once -

PS C:\>$Sta = New-ScheduledTaskAction -Execute "Cmd"

PS C:\>$Stt = New-ScheduledTaskTrigger -Once -At 3am

PS C:\>Register-ScheduledTask Task01 -Action $Sta -Trigger $Stt

This example registers a scheduled task that starts once.

The first command creates a scheduled task action named Cmd and assigns the ScheduledTaskAction object to the $Sta variable. The second command creates a scheduled

task trigger that starts the task once at 3:00 A.M and assigns the ScheduledTaskTrigger object to the $Stt variable. The third command registers the scheduled task

Task01 to run the task action named Cmd once at 3:00 A.M.

-- Example 2: Register a scheduled task that starts every day --

PS C:\>$Sta = New-ScheduledTaskAction -Execute "Cmd"

PS C:\>$Stt = New-ScheduledTaskTrigger -Daily -At 3am

PS C:\>Register-ScheduledTask Task01 -Action $Sta -Trigger $Stt

This example registers a scheduled task that starts every day.

The first command creates a scheduled task action named Cmd and assigns the ScheduledTaskAction object to the $Sta variable. The second command creates a scheduled

task trigger that starts every day at 3:00 A.M and assigns the ScheduledTaskTrigger object to the $Stt variable. The third command registers the scheduled task Task01

to run the task action named Cmd every day at 3:00 A.M.

Example 3: Register a scheduled task that starts every 3 days

PS C:\>$Sta = New-ScheduledTaskAction -Execute "Cmd"

PS C:\>$Stt = New-ScheduledTaskTrigger -Daily -DaysInterval 3 -At 3am

PS C:\>Register-ScheduledTask Task01 -Action $Sta -Trigger $Stt

This example registers a scheduled task that starts every 3 days.

The first command creates a scheduled task action named Cmd and assigns the ScheduledTaskAction object to the $Sta

variable. The second command creates a scheduled

task trigger that starts every 3 days at 3:00 A.M and assigns the ScheduledTaskTrigger object to the $Stt variable. The third command registers the scheduled task

Task01 to run the task action named cmd every 3 days at 3:00 A.M.

Example 4: Register a scheduled task that starts every-other week

```
PS C:\>$Sta = New-ScheduledTaskAction -Execute "Cmd"
PS C:\>$Stt = New-ScheduledTaskTrigger -Weekly -WeeksInterval 2 -DaysOfWeek Sunday -At 3am
PS C:\>Register-ScheduledTask Task01 -Action $Sta -Trigger $Stt
```

This example registers a scheduled task that starts every other week.

The first command creates a scheduled task action named Cmd and assigns the ScheduledTaskAction object to the $Sta variable. The second command creates a scheduled

task trigger that starts every other Sunday at 3:00 A.M and assigns the ScheduledTaskTrigger object to the $Stt variable. The third command registers the scheduled

task Task01 to run the task action named Cmd every other Sunday at 3:00 A.M.

Example 5: Register a scheduled task that starts when a user logs on

```
PS C:\>$Sta = New-ScheduledTaskAction -Execute "Cmd"
PS C:\>$Stt = New-ScheduledTaskTrigger -AtLogon
PS C:\>Register-ScheduledTask Task01 -Action $Sta -Trigger $Stt
```

This example registers a scheduled task that starts when a user logs on.

The first command creates a scheduled task action named Cmd and assigns the ScheduledTaskAction object to the $Sta variable. The second command creates a scheduled

task trigger that starts when a user logs on, and assigns the ScheduledTaskTrigger object to the $Stt variable. The third command registers the scheduled task Task01

to run the task action named Cmd when a user logs on.

RELATED LINKS

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

- Enable-ScheduledTask
- Get-ScheduledTaskInfo
- New-ScheduledTask
- New-ScheduledTaskAction
- Register-ScheduledTask
- Start-ScheduledTask