



Scheduled Jobs

A combination of a PowerShell background job and scheduled task

PowerShell command that runs at scheduled time

PowerShell does not need to be running

Do not confuse with ScheduledTask module in Windows 8 or Windows Server 2012

All you need is PowerShell 3.0

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Scheduled Jobs

Cmdlets for creating the job definition in the PSScheduledJob module

Scheduled job definition is stored to disk

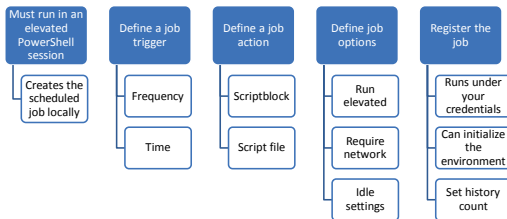
`C:\Users\<YOU>\AppData\Local\Microsoft\Windows\PowerShell\ScheduledJobs\<JOB NAME>`

Results also written to disk

`PS C:\> help about_scheduled_jobs`

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Creating a Scheduled Job



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Creating a Scheduled Job

```
$trigger = New-JobTrigger -Daily -At "6:00 AM"

$action={ get-eventlog system -EntryType
Error,Warning -After (Get-Date).AddHours(-24) }

$opt = New-ScheduledJobOption -RunElevated

Register-ScheduledJob -Name "Event Log Check"
-ScriptBlock $action -Trigger $trigger
-ScheduledJobOption $opt
```

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Modifying a Scheduled Job

Modify job trigger

- Set-ScheduledJobTrigger

Modify job option

- Set-ScheduledJobOption

Modify job

- Set-ScheduledJob

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Managing a Scheduled Job

Start a scheduled job manually by its definition

- `PS C:\> Start-Job -definitionname MyJob`

Get job results with Receive-Job

- `PS C:\> Receive-Job MyJob -keep`

Disable and Enable scheduled jobs

- `PS C:\> Disable-ScheduledJob MyJob`
- `PS C:\> Enable-ScheduledJob MyJob`

Remove a scheduled job and its history

- `PS C:\> Unregister-ScheduledJob Myjob`
- Use the cmdlet, not the Task Scheduler

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PowerShell Scheduled Jobs in Action

Lab

1. Create a scheduled job on your computer to run Update-Help on a weekly basis.
2. Manually start the job.
3. Get the job results.
4. Disable the job.
5. Remove the scheduled job.

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