




New Job Definition


Run a PowerShell command or script as a scheduled job	Uses the Task Scheduler	Import the <code>PSScheduledJob</code> module <ul style="list-style-type: none">• New job definitions• Scheduled Job cmdlets
Use PowerShell Remoting to create remote scheduled jobs	Does not require Windows 8 or Windows Server 2012	

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Creating a Scheduled Job

Register the job

- `Register-ScheduledJob`
- Stored in Task Scheduler under `\Microsoft\Windows\PowerShell\ScheduledJobs\`
- Written to disk in `$env:LocalAppData\Microsoft\Windows\PowerShell\ScheduledJobs`
- Requires elevated privileges



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Creating a Scheduled Job

Define a trigger with [New-JobTrigger](#)

Define an action

- Scriptblock
- File

Optional: arguments

Optional: credential

Optional: InitializationScript



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Creating a Scheduled Job

Examples:

- `$trigger = New-JobTrigger -Daily -At 11:30PM`
- `$action = {get-process | Export-Clixml -Path c:\work\procs.xml}`
- `Register-ScheduledJob -Name 'Nightly Process Check' -ScriptBlock $action -Trigger $trigger`



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Modifying a Scheduled Job

Modify the job trigger

Modify a job option

- Run elevated
- Idle timeout
- Run without network

Disable and Enable
a scheduled job



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Modifying a Scheduled Job

Examples:

- `Get-ScheduledJob MyJob`
- `Get-ScheduledJobOption MyJob | Set-ScheduledJobOption -RunElevated`
- `Get-JobTrigger MyJob | Set-JobTrigger -DaysOfWeek Wednesday -Weekly -At 11:00AM -passthru`
- `Disable-ScheduledJob MyJob`



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Managing a Scheduled Job

Manually run a
scheduled job

Use normal job cmdlets to
manage results, if any

Use
`Unregister-ScheduledJob`
to remove it



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Managing a Scheduled Job

Examples:

- `Start-Job -DefinitionName MyJob`
- `Get-Job MyJob -Newest 1 | Receive-Job -keep`
- `Unregister-ScheduledJob -name MyJob`



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Scheduled Jobs Demo

Summary

- Scheduled PowerShell jobs offer new management options
- Should work for any computer that can run PowerShell v3
- Do not confuse with [ScheduledTasks](#) module on Windows 8/Windows Server 2012
- Don't forget to import [PSScheduledJobs](#) to view job results