



python



PowerShell

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PowerShell Get-Help on command 'Debug-Job'

PS C:\Users\wahid> Get-Help Debug-Job

NAME

Debug-Job

SYNOPSIS

Debugs a running background, remote, or Windows PowerShell Workflow job.

SYNTAX

Debug-Job [-Id] <System.Int32> [-Confirm] [-WhatIf] [<CommonParameters>]

Debug-Job [-InstanceId] <System.Guid> [-Confirm] [-WhatIf] [<CommonParameters>]

Debug-Job [-Job] <System.Management.Automation.Job> [-Confirm] [-WhatIf]

[<CommonParameters>]

Debug-Job [-Name] <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The `Debug-Job` cmdlet lets you debug scripts that are running within jobs.

The cmdlet is designed to debug PowerShell Workflow jobs, background jobs, and

jobs running in remote sessions. `Debug-Job` accepts a running job object, name, ID, or instance ID as input, and starts a debugging session on the script it is running. The debugger `quit` command stops the job and running script. The `exit` command detaches the debugger, and allows the job to continue to run.

PARAMETERS

`-Id <System.Int32>`

Specifies the ID number of a running job. To get the ID number of a job, run the `Get-Job` cmdlet.

`-InstanceId <System.Guid>`

Specifies the instance ID GUID of a running job.

`-Job <System.Management.Automation.Job>`

Specifies a running job object. The simplest way to use this parameter is to save the results of a `Get-Job` command that returns the running job that you want to debug in a variable, and then specify the variable as the value of this parameter.

`-Name <System.String>`

Specifies a job by the friendly name of the job. When you start a job, you can specify a job name by adding the JobName parameter, in cmdlets such as `Invoke-Command` and `Start-Job`.

`-Confirm <System.Management.Automation.SwitchParameter>`

Prompts you for confirmation before running the cmdlet.

`-WhatIf <System.Management.Automation.SwitchParameter>`

Shows what would happen if the cmdlet runs. The cmdlet is not run.

`<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: Debug a job by job ID -----

Debug-Job -ID 3

Id	Name	PSJobTypeName	State	HasMoreData	Location
3	Job3	RemoteJob	Running	True	PowerShellx TestWFDemo1.ps1

Entering debug mode. Use h or ? for help.

Hit Line breakpoint on 'C:\TestWFDemo1.ps1:8'

At C:\TestWFDemo1.ps1:8 char:5

+ Write-Output -InputObject "Now writing output:"

+ ~~~~~

[DBG:PowerShellx]: PS C:\> list

3:

4: workflow SampleWorkflowTest

5: {

6: param (\$MyOutput)

7:

8:* Write-Output -InputObject "Now writing output:"

9: Write-Output -Input \$MyOutput

10:

11: Write-Output -InputObject "Get PowerShell process:"

```
12: Get-Process -Name powershell
13:
14: Write-Output -InputObject "Workflow function complete."
15: }
16:
17: # Call workflow function
18: SampleWorkflowTest -MyOutput "Hello"
```

REMARKS

To see the examples, type: "get-help Debug-Job -examples".

For more information, type: "get-help Debug-Job -detailed".

For technical information, type: "get-help Debug-Job -full".

For online help, type: "get-help Debug-Job -online"