



python



PowerShell

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PowerShell Get-Help on command 'Write-Debug'

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

NAME

Write-Debug

SYNOPSIS

Writes a debug message to the console.

SYNTAX

Write-Debug [-Message] <System.String> [<CommonParameters>]

DESCRIPTION

The `Write-Debug` cmdlet writes debug messages to the host from a script or command.

By default, debug messages are not displayed in the console, but you can display them by using the Debug parameter or the `\$DebugPreference` variable.

PARAMETERS

-Message <System.String>

Specifies the debug message to send to the console.

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [about_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

----- Example 1: Understand \$DebugPreference -----

```
Write-Debug "Cannot open file."
```

The default value of `$DebugPreference`` is `SilentlyContinue``. Therefore, the message is not displayed in the console.

----- Example 2: Change the value of \$DebugPreference -----

```
PS> $DebugPreference
```

```
SilentlyContinue
```

```
PS> Write-Debug "Cannot open file."
```

```
PS>
```

```
PS> $DebugPreference = "Continue"
```

```
PS> Write-Debug "Cannot open file."
```

```
DEBUG: Cannot open file.
```

For more information about `$DebugPreference``, see [about_Preference_Variables \(/powershell/module/Microsoft.PowerShell.Core/About/about_Preference_Variables\)](#).

Example 3: Use the Debug parameter to override \$DebugPreference

```
function Test-Debug {  
    [CmdletBinding()]  
    param()  
    Write-Debug ('$DebugPreference is ' + $DebugPreference)  
    Write-Host ('$DebugPreference is ' + $DebugPreference)
```

```
}
```

```
PS> Test-Debug
```

```
$DebugPreference is SilentlyContinue
```

```
PS> Test-Debug -Debug
```

```
DEBUG: $DebugPreference is Inquire
```

Confirm

Continue with this operation?

[Y] Yes [A] Yes to All [H] Halt Command [?] Help (default is "Y"):

```
$DebugPreference is Inquire
```

```
PS> $DebugPreference
```

```
SilentlyContinue
```

Notice that the value of ``$DebugPreference`` changes when you use the Debug parameter. This change only affects the scope of the function. The value is not affected outside the function.

> [!NOTE] > When the value of ``$DebugPreference`` is Inquire , PowerShell halts execution to ask if > execution should continue.

For more information about the Debug common parameter, see [about_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

REMARKS

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

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

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

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