



Windows PowerShell Get-Help on Cmdlet 'Out-Host'

PS:\>Get-HELP Out-Host -Full

NAME

Out-Host

SYNOPSIS

Sends output to the command line.

SYNTAX

Out-Host [-InputObject <System.Management.Automation.PSObject>] [-Paging] [<CommonParameters>]

DESCRIPTION

The `Out-Host` cmdlet sends output to the PowerShell host for display. The host displays the output at the command line. Because `Out-Host` is the default, you don't have to specify it unless you want to use its parameters.

`Out-Host` is automatically appended to every command that is executed. It passes the output of the pipeline to the host executing the command. `Out-Host` ignores

ANSI escape sequences. The escape sequences are handled by the host. `Out-Host` passes ANSI escape sequences to the host without trying to interpret or change them.

PARAMETERS

-InputObject <System.Management.Automation.PSObject>

Specifies the objects that are written to the console. Enter a variable that contains the objects, or type a command or expression that gets the objects.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

-Paging <System.Management.Automation.SwitchParameter>

Indicates that `Out-Host` displays one page of output at a time, and waits for user input before the remaining pages are displayed. By default, all the output is displayed on a single page. The page size is determined by the characteristics of the host.

Press the <kbd>Space</kbd> bar to display the next page of output or the <kbd>Enter</kbd> key to view the next line of output. Press <kbd>Q</kbd> to quit. Paging is similar to the more command.

> [!NOTE] > The Paging parameter isn't supported by the PowerShell ISE host.

Required?	false
Position?	named
Default value	False
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) (https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

System.Management.Automation.PSObject

You can pipe any object to this cmdlet.

OUTPUTS

None

This cmdlet returns no output. It sends objects to the host for display.

NOTES

Windows PowerShell includes the following aliases for ``Out-Host``:

- ``oh``

The Paging parameter isn't supported by all PowerShell hosts. For example, if you use the Paging parameter in the PowerShell ISE, the following error is

displayed: ``out-lineoutput : The method or operation is not implemented.``

The cmdlets that contain the Out verb, ``Out-``, don't format objects. They render objects and send them to the specified display destination. If you send an

unformatted object to an ``Out-`` cmdlet, the cmdlet sends it to a formatting cmdlet before rendering it.

The ``Out-`` cmdlets don't have parameters for names or file paths. To send data to an ``Out-`` cmdlet, use the pipeline to send a PowerShell command's output to the

cmdlet. Or, you can store data in a variable and use the InputObject parameter to pass the data to the cmdlet.

``Out-Host`` sends data, but it doesn't produce any output objects. If you pipeline the output of ``Out-Host`` to the

`Get-Member` cmdlet, `Get-Member` reports that
no objects have been specified.

----- Example 1: Display output one page at a time -----

Get-Process | Out-Host -Paging

NPM(K)	PM(M)	WS(M)	CPU(s)	Id	SI	ProcessName
30	24.12	36.95	15.86	21004	14	ApplicationFrameHost
55	24.33	60.48	10.80	12904	14	BCompare

<SPACE> next page; <CR> next line; Q quit

9	4.71	8.94	0.00	16864	14	explorer
---	------	------	------	-------	----	----------

<SPACE> next page; <CR> next line; Q quit

`Get-Process` gets the system processes and sends the objects down the pipeline. `Out-Host` uses the Paging parameter to display one page of data at a time.

----- Example 2: Use a variable as input -----

```
$io = Get-History  
Out-Host -InputObject $io
```

`Get-History` gets the PowerShell session's history, and stores the objects in the `\$io` variable. `Out-Host` uses the InputObject parameter to specify the `\$io` variable and displays the history.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/microsoft.powershell.core/out-host?view=powershell-5.1&WT.mc_id=ps-gethelp

Clear-Host

Out-Default

Out-File

Out-Null

Out-Printer

Out-String

Write-Host