



Windows PowerShell Get-Help on Cmdlet 'Get-NetView'

PS:\>Get-HELP Get-NetView -Full

NAME

Get-NetView

SYNOPSIS

Collects data on system and network configuration for diagnosing Microsoft Networking.

SYNTAX

```
Get-NetView [-OutputDirectory <String>] [-ExtraCommands <ScriptBlock[]>] [-BackgroundThreads <Int32>]
[-ExecutionRate <Double>] [-SkipAdminCheck] [-SkipLogs]
[-SkipNetshTrace] [-SkipCounters] [-SkipVm] [<CommonParameters>]
```

DESCRIPTION

Collects comprehensive configuration data to aid in troubleshooting Microsoft Network issues.

Data is collected from the following sources:

- Get-NetView metadata (path, args, etc.)
- Environment (OS, hardware, domain, hostname, etc.)
- Physical, virtual, Container, NICs
- Network Configuration, IP Addresses, MAC Addresses, Neighbors, Routes

- Physical Switch configuration, QOS policies
- Virtual Machine configuration
- Virtual Switches, Bridges, NATs
- Device Drivers
- Performance Counters
- Logs, Traces, etc.
- System and Application Events

The data is collected in a folder on the Desktop (by default), which is zipped on completion.

Use Feedback hub to submit a new feedback. Select one of these Categories:

Network and Internet -> Virtual Networking

Network and Internet -> Connecting to an Ethernet Network.

Attach the Zip file to the feedback and submit.

Do not share the zip file over email or other file sharing tools. Only submit the file through the feedback hub.

The output is most easily viewed with Visual Studio Code or similar editor with a navigation panel.

PARAMETERS

-OutputDirectory <String>

Optional path to the directory where the output should be saved. Can be either a relative or an absolute path.

If unspecified, the current user's Desktop will be used by default.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ExtraCommands <ScriptBlock[]>

Optional list of additional commands, given as ScriptBlocks. Their output is saved to the CustomModule directory,

which can be accessed by using "\$CustomModule" as a placeholder. For example, {Copy-Item \$CustomModule .\CopyFile.txt

\$CustomModule}

copies "MyFile.txt" to "CustomModule\MyFile.txt".

Required? false

Position? named

Default value @()

Accept pipeline input? false

Accept wildcard characters? false

-BackgroundThreads <Int32>

Maximum number of background tasks, from 0 - 16. Defaults to 5.

Required? false

Position? named

Default value 5

Accept pipeline input? false

Accept wildcard characters? false

-ExecutionRate <Double>

Relative rate at which commands are executed, with 1 being normal speed. Reduce to slow down execution and spread

CPU usage over time. Useful on live or production systems to avoid disruption.

NOTE: This will force BackgroundThreads = 0.

Required? false

Position? named

Default value 1

Accept pipeline input? false

Accept wildcard characters? false

-SkipAdminCheck [<SwitchParameter>]

If present, skip the check for admin privileges before execution. Note that without admin privileges, the scope will be limited to the user's permissions.

usefulness of the collected data is limited.

Required? false
Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-SkipLogs [<SwitchParameter>]

If present, skip the EVT and WER logs gather phases.

Required? false
Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-SkipNetshTrace [<SwitchParameter>]

If present, skip the Netsh Trace data gather phase.

Required? false
Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-SkipCounters [<SwitchParameter>]

If present, skip the Windows Performance Counters collection phase.

Required? false
Position? named
Default value False
Accept pipeline input? false

Accept wildcard characters? false

`-SkipVm [<SwitchParameter>]`

If present, skip the Virtual Machine (VM) data gather phases.

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>).

INPUTS

OUTPUTS

----- EXAMPLE 1 -----

```
PS C:\>Get-NetView -OutputDirectory ".\"
```

Runs Get-NetView and outputs to the current working directory.

RELATED LINKS

<https://github.com/microsoft/Get-NetView>

