



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

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

NAME

Get-DscResource

SYNOPSIS

Gets Desired State Configuration (DSC) resources present on the computer.

SYNTAX

```
Get-DscResource [[-Name] <System.String[]>] [[-Module] <System.Object>] [-Syntax] [<CommonParameters>]
```

DESCRIPTION

The `Get-DscResource` cmdlet retrieves the PowerShell DSC resources present on the computer. This cmdlet discovers only the resources installed in the PSModulePath.

It shows the details about built-in and custom providers, which are created by the user. This cmdlet also shows details about composite resources, which are other

configurations that are packaged as module or created at run time in the session.

PARAMETERS

-Module <System.Object>

Specifies the name or fully qualified name of the module for which to view the DSC resource.

Required? false

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName, ByValue)

Accept wildcard characters? false

-Name <System.String[]>

Specifies an array of names of the DSC resource to view.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName, ByValue)

Accept wildcard characters? true

-Syntax <System.Management.Automation.SwitchParameter>

Indicates that the cmdlet returns the syntax view of the specified DSC resources. The returned syntax shows how to use the resources in a PowerShell script.

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

System.String[]

System.Object

OUTPUTS

Microsoft.PowerShell.DesiredStateConfiguration.DscResourceInfo[]

string[]

NOTES

- `Get-DscResource` does not find Class based DSC resources in PowerShell versions below 7.0.

----- Example 1: Get all resources on the local computer -----

Get-DscResource

This command gets all the resources on the local computer.

----- Example 2: Get a resource by specifying the name -----

Get-DscResource -Name "WindowsFeature"

This command gets the WindowsFeature resource.

----- Example 3: Get all the resources from a module -----

```
Get-DscResource -Module "xHyper-V"
```

This command gets all the resources from the xHyper-V module.

---- Example 4: Get a resource by using wildcard characters ----

```
Get-DscResource -Name P*,r*
```

This command gets all resources that match the wildcard pattern specified by the Name parameter.

----- Example 5: Get a resource syntax -----

```
Get-DscResource -Name "WindowsFeature" -Syntax
```

This command gets the WindowsFeature resource, and shows the syntax for the resource.

----- Example 6: Get all the properties for a resource -----

```
Get-DscResource -Name "User" | Select-Object -ExpandProperty Properties
```

This command gets the User resource, and then uses the pipeline operator to return all the properties for the User resource.

Example 7: Get all the resources from a specified module with a specified version

```
Get-DscResource -Module @{ModuleName='xHyper-V';RequiredVersion='3.0.0.0'}
```

This command gets all the resources from xHyper-V module with version 3.0.0.0.

RELATED LINKS

Online

Version:

https://docs.microsoft.com/powershell/module/psdesiredstateconfiguration/get-dscresource?view=powershell-5.1&WT.mc_id=ps-gethelp

PowerShell Desired State Configuration Overview

Invoke-DscResource

