



python



PowerShell

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PowerShell Get-Help on command 'Get-DscResource'

PS C:\Users\wahid> Get-Help Get-DscResource

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.

-Name <System.String[]>

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

-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.

<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: 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.

REMARKS

To see the examples, type: "get-help Get-DscResource -examples".

For more information, type: "get-help Get-DscResource -detailed".

For technical information, type: "get-help Get-DscResource -full".

For online help, type: "get-help Get-DscResource -online"