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

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

NAME

Invoke-DscResource

SYNOPSIS

Runs a method of a specified DSC resource.

SYNTAX

```
Invoke-DscResource [-Name] <System.String> [-Method] {Get | Set | Test} -ModuleName  
<Microsoft.PowerShell.Commands.ModuleSpecification> -Property  
<System.Collections.Hashtable> [<CommonParameters>]
```

DESCRIPTION

The `Invoke-DscResource` cmdlet runs a method of a specified Windows PowerShell Desired State Configuration (DSC) resource. Before you run this cmdlet, set the refresh mode of the Local Configuration Manager (LCM) to Disabled.

This cmdlet invokes a DSC resource directly, without creating a configuration document. Using this cmdlet, configuration management products can manage windows by

using DSC resources. This cmdlet also enables debugging of resources when the DSC engine or LCM is running with debugging enabled.

PARAMETERS

-Method <System.String>

Specifies the method of the resource that this cmdlet invokes. The acceptable values for this parameter are:

- `Get`

- `Set`

- `Test`

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ModuleName <Microsoft.PowerShell.Commands.ModuleSpecification>

Specifies the name of the module from which this cmdlet invokes the specified resource.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Name <System.String>

Specifies the name of the DSC resource to start.

Required? true

Position? 0
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-Property <System.Collections.Hashtable>

Specifies the resource property name and its value in a hash table as key and value, respectively. Use the `Get-DscResource` cmdlet to discover resource properties and their types.

Required? true
Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
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

Microsoft.Management.Infrastructure.CimInstance, System.Boolean

NOTES

Example 1: Invoke the Set method of a resource by specifying its mandatory properties

```
Invoke-DscResource -Name Log -Method Set -Property @{Message = 'Hello World'} -ModuleName  
PSDesiredStateConfiguration
```

This command invokes the Set method of a resource named Log and specifies a Message property for it.

Example 2: Invoke the Test method of a resource for a specified module

```
Invoke-DscResource -Name WindowsProcess -Method Test -Property @{Path =  
'C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe'; Arguments = ""} -ModuleName  
PSDesiredStateConfiguration
```

This command invokes the Test method of a resource named WindowsProcess, which is in the module named PSDesiredStateConfiguration.

RELATED LINKS

	Online	Version:
https://docs.microsoft.com/powershell/module/psdesiredstateconfiguration/invoke-dscresource?view=powershell-5.1&WT.mc_id=ps-gethelp		
Windows PowerShell Desired State Configuration Overview		
Get-DscConfiguration		
Get-DscConfigurationStatus		
Get-DscResource		
Restore-DscConfiguration		
Set-DscLocalConfigurationManager		
Start-DscConfiguration		
Test-DscConfiguration		