



## ***Windows PowerShell Get-Help on Cmdlet 'Set-DscLocalConfigurationManager'***

***PS:\>Get-HELP Set-DscLocalConfigurationManager -Full***

### NAME

Set-DscLocalConfigurationManager

### SYNOPSIS

Applies Local Configuration Manager (LCM) settings to nodes.

### SYNTAX

```
Set-DscLocalConfigurationManager [-Path] <System.String> [-CimSession  
<Microsoft.Management.Infrastructure.CimSession[]> [-Force] [-ThrottleLimit <System.Int32>]  
[-Confirm] [-WhatIf] [<CommonParameters>]  
  
Set-DscLocalConfigurationManager [-Path] <System.String> [[-ComputerName] <System.String[]>] [-Credential  
<System.Management.Automation.PSCredential>] [-Force]  
[-ThrottleLimit <System.Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

### DESCRIPTION

The 'Set-DscLocalConfigurationManager' cmdlet applies LCM settings, or meta-configuration, to nodes. Specify computers by specifying computer names or by using Common

Information Model (CIM) sessions. If you do not specify a target computer, the cmdlet applies settings to the local computer.

## PARAMETERS

**-CimSession** <Microsoft.Management.Infrastructure.CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession

(/powershell/module/CimCmdlets/New-CimSession)or Get-CimSession

(/powershell/module/CimCmdlets/Get-CimSession)cmdlet. The default is the current session on the local computer.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

**-ComputerName** <System.String[]>

Specifies an array of computer names. This parameter restricts the computers that have meta-configuration documents in the Path parameter to those specified in the array.

Required? false

Position? 1

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

**-Credential** <System.Management.Automation.PSCredential>

Specifies a user name and password, as a PSCredential object, for the target computer. To obtain a PSCredential object, use the Get-Credential cmdlet. For more

information, type `Get-Help Get-Credential`.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

**-Force** <System.Management.Automation.SwitchParameter>

Forces the command to run without asking for user confirmation.

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

**-Path** <System.String>

Specifies a file path of a folder that contains configuration settings files. The cmdlet publishes and applies these LCM settings to computers that have settings

files in the specified path. Each target node must have a settings file of the following format: `NetBIOS Name.meta.mof`.

Required?	true
Position?	0
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

**-ThrottleLimit** <System.Int32>

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

Windows PowerShell calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit

applies only to the current cmdlet, not to the session or to the computer.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

**-Confirm <System.Management.Automation.SwitchParameter>**

Prompts you for confirmation before running the cmdlet.

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

**-WhatIf <System.Management.Automation.SwitchParameter>**

Shows what would happen if the cmdlet runs. The cmdlet is not run.

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).

## OUTPUTS

## NOTES

----- Example 1: Apply LCM settings -----

```
Set-DscLocalConfigurationManager -Path "C:\DSC\Configurations\"
```

This command applies the LCM settings from `C:\DSC\Configurations` to the targeted nodes. After receiving the settings, LCM processes them.

> [!WARNING] > If there are multiple meta mofs for the same computer stored in the specified folder, only the > first meta mof will be applied.

----- Example 2: Apply LCM settings by using a CIM session -----

```
$Session = New-CimSession -ComputerName "Server01" -Credential ACCOUNTS\PattiFuller  
Set-DscLocalConfigurationManager -Path "C:\DSC\Configurations\" -CimSession $Session
```

This example applies LCM settings to a computer and applies the settings. The example creates a CIM session for a computer named Server01 for use with the cmdlet.

Alternatively, create an array of CIM sessions to apply the cmdlet to multiple specified computers.

The first command creates a CIM session by using the `New-CimSession` cmdlet, and then stores the CimSession object in the `\$Session` variable. The command prompts you for a password. For more information, type `Get-Help New-CimSession`.

The second command applies LCM settings for the targeted node from `C:\DSC\Configurations` to the computer identified by the CimSession objects stored in the

`\$Session` variable. In this example, the `\$Session` variable contains a CIM session only for the computer named

Server01. The command applies the settings. After receiving the settings, LCM processes them.

## RELATED LINKS

Online

Version:

[https://docs.microsoft.com/powershell/module/psdesiredstateconfiguration/set-dsclocalconfigurationmanager?view=powershell-5.1&WT.mc\\_id=ps-gethelp](https://docs.microsoft.com/powershell/module/psdesiredstateconfiguration/set-dsclocalconfigurationmanager?view=powershell-5.1&WT.mc_id=ps-gethelp)

Windows PowerShell Desired State Configuration Overview

Get-DscLocalConfigurationManager