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PowerShell Get-Help on command 'Set-DscLocalConfigurationManager'

PS C:\Users\wahid> Get-Help Set-DscLocalConfigurationManager

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.

-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.

-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`.

-Force <System.Management.Automation.SwitchParameter>

Forces the command to run without asking for user confirmation.

-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`.

-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.

-Confirm <System.Management.Automation.SwitchParameter>
Prompts you for confirmation before running the cmdlet.

-WhatIf <System.Management.Automation.SwitchParameter>
Shows what would happen if the cmdlet runs. The cmdlet is not run.

<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: 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.

REMARKS

To see the examples, type: "get-help Set-DscLocalConfigurationManager -examples".

For more information, type: "get-help Set-DscLocalConfigurationManager -detailed".

For technical information, type: "get-help Set-DscLocalConfigurationManager -full".

For online help, type: "get-help Set-DscLocalConfigurationManager -online"