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

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

NAME

Get-DscLocalConfigurationManager

SYNOPSIS

Gets Local Configuration Manager (LCM) settings and states for the node.

SYNTAX

```
Get-DscLocalConfigurationManager [-AsJob] [-CimSession <Microsoft.Management.Infrastructure.CimSession[]>]
[-ThrottleLimit <System.Int32>] [<CommonParameters>]
```

DESCRIPTION

The `Get-DscLocalConfigurationManager` cmdlet gets LCM settings, or meta-configuration, and the states of LCM for the node. Specify computers by using Common

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

PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet runs the command as a background job.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-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` or

`Get-CimSession` cmdlet.

Required? false

Position? named

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.

Required? false

Position? named

Default value None

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>).

INPUTS

OUTPUTS

NOTES

----- Example 1: Get LCM settings for the local computer -----

```
Get-DscLocalConfigurationManager
```

```
ActionAfterReboot      : ContinueConfiguration
AgentId                : 47edd8c9-2798-4827-839a-b35cc87e69fb
AllowModuleOverWrite    : False
CertificateID          :
ConfigurationDownloadManagers : {}
ConfigurationID         :
ConfigurationMode        : ApplyAndMonitor
ConfigurationModeFrequencyMins : 15
Credential              :
DebugMode               : {NONE}
DownloadManagerCustomData   :
DownloadManagerName       :
LCMCompatibleVersions     : {1.0, 2.0}
LCMState                : Idle
LCMStateDetail           :
LCMVersion               : 2.0
StatusRetentionTimeInDays : 10
SignatureValidationPolicy : NONE
```

```
SignatureValidations      : {}
MaximumDownloadSizeMB    : 500
PartialConfigurations     :
RebootNodeIfNeeded        : False
RefreshFrequencyMins      : 30
RefreshMode                : PUSH
ReportManagers              : {}
ResourceModuleManagers      : {}

PSComputerName
```

This command gets LCM settings for the local computer.

For more information on the individual attributes of the output, see the Configuring the Local Configuration Manager ([..../docs-conceptual/dsc/managing-nodes/metaconfig.md#basic-settings](#))documentation.

----- Example 2: Get LCM settings for a specified computer -----

```
$Session = New-CimSession -ComputerName "Server01" -Credential ACCOUNTS\PattiFuller
Get-DscLocalConfigurationManager -CimSession $Session
```

```
ActionAfterReboot          : ContinueConfiguration
AgentId                    : 169dfa57-a7f9-43be-a7a5-9dd06587e052
AllowModuleOverWrite       : False
CertificateID               :
ConfigurationDownloadManagers : {}
ConfigurationID              :
ConfigurationMode            : ApplyAndMonitor
ConfigurationModeFrequencyMins : 15
Credential                  :
DebugMode                   : {NONE}
DownloadManagerCustomData   :
DownloadManagerName          :
LCMCompatibleVersions        : {1.0, 2.0}
LCMState                    : Idle
```

```
LCMStateDetail      :
LCMVersion         : 2.0
StatusRetentionTimeInDays   : 10
SignatureValidationPolicy  : NONE
SignatureValidations    : {}
MaximumDownloadSizeMB   : 500
PartialConfigurations   :
RebootNodeIfNeeded     : False
RefreshFrequencyMins   : 30
RefreshMode            : PUSH
ReportManagers         : {}
ResourceModuleManagers : {}
PSCoputerName          : Server01
PSCoputerName          : Server01
```

This example gets LCM settings for a computer specified by a CIM session. 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 gets Local Configuration Manager settings for the computers identified by the CimSession objects stored in the \$Session variable. In this case, the computer named Server01.

RELATED LINKS

	Online	Version:
https://docs.microsoft.com/powershell/module/psdesiredstateconfiguration/get-dsclocalconfigurationmanager?view=powershell-5.1&WT.mc_id=ps-gethelp		
Windows PowerShell Desired State Configuration Overview		
Set-DscLocalConfigurationManager		Page 5/6

