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

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

NAME

   Get-DscConfiguration

SYNOPSIS

   Gets the current configuration of the nodes.

SYNTAX

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

DESCRIPTION

   The `Get-DscConfiguration` cmdlet gets the current configuration of the nodes, if the configuration exists. Specify
computers by using Common Information Model (CIM)

   sessions. If you do not specify a target computer, the cmdlet gets the configuration 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

(/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?   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. 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

<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

NOTES

--- Example 1: Get the configuration for the local computer ---

Get-DscConfiguration

This command gets the current state for the local computer.

-- Example 2: Get the configuration for a specified computer --

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

Get-DscConfiguration -CimSession $Session

This example gets the current state from 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 the current configuration 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-dscconfiguration?view=powershell-5.1&WT.mc_id=ps-gethelp

Windows PowerShell Desired State Configuration Overview

Get-DscConfigurationStatus

Restore-DscConfiguration

Start-DscConfiguration

Test-DscConfiguration