PowerShell Get-Help on command 'Publish-DscConfiguration'

PS C:\Users\wahid> Get-Help Publish-DscConfiguration

NAME

    Publish-DscConfiguration

SYNOPSIS

    Publishes a DSC configuration to a set of computers.

SYNTAX

    Publish-DscConfiguration [-Path] <System.String> -CimSession

    <Microsoft.Management.Infrastructure.CimSession[]> [-Force] [-ThrottleLimit

    <System.Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]

    Publish-DscConfiguration [-Path] <System.String> [[-ComputerName]

    <System.String[]>] [-Credential <System.Management.Automation.PSCredential>]

    [-Force] [-ThrottleLimit <System.Int32>] [-Confirm] [-WhatIf]

    [<CommonParameters>]

DESCRIPTION

    The `Publish-DscConfiguration` cmdlet publishes a Windows PowerShell Desired

    State Configuration (DSC) configuration document on set of computers. This

cmdlet does not apply the configuration. Configurations are applied by either the Start-DscConfiguration cmdlet when it is used with the UseExisting parameter or when the DSC engine runs its consistency cycle. The DSC engine is also known as the Local Configuration Manager (LCM).

This cmdlet is especially useful when fragments of multiple configuration documents are delivered. When multiple configuration documents fragments are delivered, they overwrite the older configuration document fragments.

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 one or more computers on which this cmdlet publishes the configuration.

  -Credential <System.Management.Automation.PSCredential>

    Specifies credentials that are used to access the target device.

  -Force <System.Management.Automation.SwitchParameter>

    Forces the cmdlet to finish. If the Local Configuration Manager refresh mode is set to PULL, usage of this parameter changes it to PUSH and enables publication of the DSC configuration. Also, if a pending DSC configuration exists, usage of this parameter overwrites that pending configuration.

  -Path <System.String>

Specifies a path that contains configurations to publish to target
computers.

-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: Publish a configuration to a remote computer ---

Publish-DscConfiguration -Path '$home\WebServer' -ComputerName
"ContosoWebServer" -Credential (get-credential Contoso\webadministrator)

This command publishes a configuration to a remote computer. The user who runs
the cmdlet should be administrator on the remote computer.

REMARKS

To see the examples, type: "get-help Publish-DscConfiguration -examples".

For more information, type: "get-help Publish-DscConfiguration -detailed".

For technical information, type: "get-help Publish-DscConfiguration -full".

For online help, type: "get-help Publish-DscConfiguration -online"