



### ***Windows PowerShell Get-Help on Cmdlet 'Publish-DscConfiguration'***

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

#### **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.

Required?	true
Position?	named
Default value	None
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

`-ComputerName <System.String[]>`

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

Required?	false
Position?	1
Default value	None
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

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

Specifies credentials that are used to access the target device.

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

**-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.

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

**-Path <System.String>**

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

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>).

## INPUTS

## OUTPUTS

## NOTES

--- 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.

## RELATED LINKS

Online

Version:

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

Windows PowerShell Desired State Configuration Overview

Get-DscConfiguration

Get-DscConfigurationStatus

Restore-DscConfiguration

Start-DscConfiguration

Test-DscConfiguration