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PowerShell

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### **PowerShell Get-Help on command 'Update-DscConfiguration'**

**PS C:\Users\wahid> Get-Help Update-DscConfiguration**

#### NAME

Update-DscConfiguration

#### SYNOPSIS

Checks the pull server for an updated configuration and applies it.

#### SYNTAX

Update-DscConfiguration -CimSession

<Microsoft.Management.Infrastructure.CimSession[]> [-JobName <System.String>]

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

[<CommonParameters>]

Update-DscConfiguration [[-ComputerName] <System.String[]>] [-Credential

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

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

[<CommonParameters>]

#### DESCRIPTION

The `Update-DscConfiguration` cmdlet connects to a pull server, downloads the

configuration if it differs from what is current on the node, and then applies the configuration to the computer.

This cmdlet is available only as part of the November 2014 update rollup for Windows RT 8.1, Windows 8.1, and Windows Server 2012 R2 (<https://support.microsoft.com/kb/3000850>).

## 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. The cmdlet applies the configuration settings to the computers that this parameter specifies.

**-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`.`

**-JobName** <System.String>

Specifies a friendly name for a job. If you specify this parameter, the cmdlet runs as a job, and it returns a `Job` object.

By default, Windows PowerShell assigns the name `JobN` where `N` is an integer.

If you specify the `Wait` parameter, do not specify this parameter.

#### -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.

#### -Wait <System.Management.Automation.SwitchParameter>

Indicates that the cmdlet blocks the console until it finishes all configuration tasks.

If you specify this parameter, do not specify the JobName parameter.

#### -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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

#### ----- Example 1: Update a configuration -----

```
Update-DscConfiguration -Wait -Verbose
```

After running this command, the server will connect to the registered pull service, download the latest assigned configuration, and then apply it. The Wait and Verbose parameters are optional. When working interactively, these

parameters combined enable real-time feedback about progress and success or failure when applying the configuration.

Example 2: Update a configuration by connecting over a CIM session

```
$Session = New-CimSession -ComputerName "Server01" -Credential  
ACCOUNTS\PattiFuller  
Update-DscConfiguration -CimSession $Session -Wait
```

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 updates the computer specified in the CimSession stored in `\$Session`. The command specifies the Wait parameter. The console does not accept additional commands until the current command finishes.

#### REMARKS

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

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

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

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