



Windows PowerShell Get-Help on Cmdlet 'Register-AzAutomationDscNode'

PS:\>Get-HELP Register-AzAutomationDscNode -Full

NAME

Register-AzAutomationDscNode

SYNOPSIS

Registers an Azure virtual machine running Windows OS as a DSC node for an Automation account.

SYNTAX

```
Register-AzAutomationDscNode [-ResourceGroupName] <System.String> [-AutomationAccountName] <System.String>
[-ActionAfterReboot {ContinueConfiguration |
StopConfiguration}] [-AllowModuleOverwrite <System.Boolean>] [-AzureVMLocation <System.String>] -AzureVMName
<System.String> [-AzureVMResourceGroup <System.String>]
[-ConfigurationMode {ApplyAndMonitor | ApplyAndAutocorrect | ApplyOnly}] [-ConfigurationModeFrequencyMins
<System.Int32>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-NodeConfigurationName <System.String>] [-RebootNodeIfNeeded
<System.Boolean>] [-RefreshFrequencyMins <System.Int32>] [<CommonParameters>]
```

DESCRIPTION

The Register-AzAutomationDscNode cmdlet registers an Azure virtual machine as an APS Desired State Configuration (DSC) node in an Azure Automation account. This

cmdlet will only register VMs running Windows OS as an Automation DSC Node for an account.

If you need to register a node to an automation account in a different subscription, you will need to use an ARM template rather than cmdlets. See the Azure

Automation documentation (https://learn.microsoft.com/azure/automation/automation-dsc-onboarding#registering-virtual-machines-across-azure-subscriptions)for more details.

PARAMETERS

-ActionAfterReboot <System.String>

Specifies the action that the virtual machine takes after it restarts. Valid values are: - ContinueConfiguration

- StopConfiguration

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-AllowModuleOverwrite <System.Boolean>

Specifies whether new configurations that this DSC node downloads from the Azure Automation DSC pull server replace the existing modules already on the target node.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-AutomationAccountName <System.String>

Specifies the name of an Automation account in which this cmdlet registers a virtual machine.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-AzureVMLocation <System.String>

The Azure VM location.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-AzureVMName <System.String>

The name of the Azure virtual machine to register for management with Azure Automation DSC.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-AzureVMResourceGroup <System.String>

The Azure VM resource group name.

Required? false

Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-ConfigurationMode <System.String>

Specifies the DSC configuration mode. Valid values are: - ApplyAndMonitor

- ApplyAndAutocorrect

- ApplyOnly

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

-ConfigurationModeFrequencyMins <System.Int32>

Specifies the frequency, in minutes, at which the background application of DSC attempts to implement the current configuration on the target node.

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

-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>

The credentials, account, tenant, and subscription used for communication with azure

Required? false
Position? named

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-NodeConfigurationName <System.String>

Specifies the name of the node configuration that this cmdlet configures the virtual machine to pull from Azure Automation DSC.

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

-RebootNodeIfNeeded <System.Boolean>

Specifies whether to restart the virtual machine, if needed.

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

-RefreshFrequencyMins <System.Int32>

Specifies the frequency, in minutes, at which the local Configuration Manager contacts the Azure Automation DSC pull server to download the latest node configuration.

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

-ResourceGroupName <System.String>

Specifies the name of a resource group. The Automation account with which this cmdlet registers a virtual machine belongs to the resource group that this parameter specifies.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

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

System.String

System.Int32

System.Boolean

OUTPUTS

System.Void

NOTES

Example 1: Register an Azure virtual machine as an Azure DSC node

```
Register-AzAutomationDscNode -AutomationAccountName "Contoso17" -AzureVMName "VirtualMachine01"  
-ResourceGroupName "ResourceGroup01"-NodeConfigurationName  
"ContosoConfiguration.webserver"
```

This command registers the Azure virtual machine named VirtualMachine01 as a DSC node in the Automation account named Contoso17.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.automation/register-azautomationdscnode>

Get-AzAutomationDscNode

Set-AzAutomationDscNode

Unregister-AzAutomationDscNode