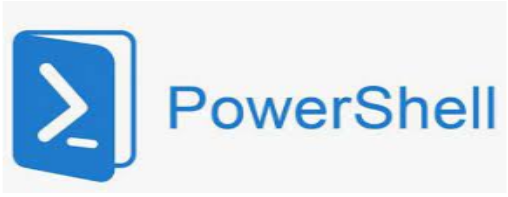

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PowerShell Get-Help on command 'Register-ClusteredScheduledTask'

PS C:\Users\wahid> Get-Help Register-ClusteredScheduledTask

NAME

Register-ClusteredScheduledTask

SYNOPSIS

Registers a scheduled task on a failover cluster.

SYNTAX

Register-ClusteredScheduledTask [-TaskName] <String> [[-TaskType] {ResourceSpecific | AnyNode | ClusterWide}] [-Action] <CimInstance[]> [[-Cluster] <String>] [[-Trigger] <CimInstance[]>] [[-Resource] <String>] [[-Settings] <CimInstance>] [[-Description] <String>] [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Register-ClusteredScheduledTask [-TaskName] <String> [[-TaskType] {ResourceSpecific | AnyNode | ClusterWide}] [-InputObject] <CimInstance> [[-Cluster] <String>] [[-Resource] <String>] [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Register-ClusteredScheduledTask [-TaskName] <String> [[-TaskType] {ResourceSpecific | AnyNode | ClusterWide}] [-Xml] <String> [[-Cluster]

<String>] [[-Resource] <String>] [-AsJob] [-CimSession <CimSession[]>]
[-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The Register-ClusteredScheduledTask cmdlet registers a clustered scheduled task on a failover cluster. The new task runs scheduled actions as defined by task triggers. As specified in the TaskType parameter, an action runs on a resource specific node, an active failover node, or on all cluster nodes.

For more information about the Task Scheduler, see the Task Scheduler Overview (https://technet.microsoft.com/en-us/library/cc721871.aspx)topic in the TechNet Library at http://technet.microsoft.com/en-us/library/cc721871.aspx.

PARAMETERS

-Action <CimInstance[]>

Specifies an array of action objects to use in the task. To obtain a task action object, use the New-ScheduledTaskAction cmdlet.

A task can have a single action or up to 32 actions. If you specify more than one action, the cluster runs them in sequence.

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

-CimSession <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 (https://go.microsoft.com/fwlink/p/?LinkId=227967) or [Get-CimSession](https://go.microsoft.com/fwlink/p/?LinkId=227966)cmdlet. The default is the current session on the local computer.

-Cluster <String>

Specifies a name of a failover cluster. If you do not specify a cluster, the cmdlet uses the current node cluster name.

-Description <String>

Specifies a description of a task.

-InputObject <CimInstance>

Specifies the input object that is used in a pipeline command.

-Resource <String>

Specifies a cluster resource identifier. This identifier defines a set of failover cluster nodes. If you define a value of ResourceSpecific for the TaskType parameter, the task runs on the defined cluster nodes.

-Settings <CimInstance>

Specifies a CimInstance object that contains properties that Windows Task Scheduler uses to configure running of a task. To obtain a settings object, use the New-ScheduledTaskSettingsSet cmdlet.

-TaskName <String>

Specifies a name of a scheduled task.

-TaskType <ClusterTaskTypeEnum>

Specifies a type for the task. The acceptable values for this parameter are:

- ResourceSpecific. Resource specific cluster nodes. - AnyNode. Active cluster nodes. - ClusterWide. All cluster nodes.

-ThrottleLimit <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 PowerShellr 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.

-Trigger <CimInstance[]>
Specifies an array of trigger objects to use in the task. To obtain a task
trigger object, use the New-ScheduledTaskTrigger cmdlet.

A trigger is a set of criteria that starts the running of a task. You can
use both time-based and event-based triggers. One or more triggers can
start a task. You can specify up to 48 triggers.

-Xml <String>
Specifies an XML-formatted string that contains a task definition. You can
export a task definition from Task Scheduler.

The string represents the triggers, actions, and other settings for a
task. The string uses the Task Scheduler Schema.

<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: Register a task on a cluster ----------

PS C:\> $Action = New-ScheduledTaskAction -Execute Calc
PS C:\> $Trigger = New-ScheduledTaskTrigger -At 12:00 -Once
PS C:\> Register-ClusteredScheduledTask -TaskName "CalcTask01" -TaskType
ClusterWide -Action $Action -Trigger $Trigger -Cluster "Cluster01"

This example registers a cluster-wide task.

The first command uses the New-ScheduledTaskAction cmdlet to create a task action and stores that action in the $Action variable.

The second command uses the New-ScheduledTaskTrigger cmdlet to create a task trigger and stores that trigger in the $Trigger variable.

The final command registers a scheduled task named CalcTask01 for all cluster nodes in the cluster Cluster01. The task uses the action and trigger stored in the two variables.

------ Example 2: Register a task on the current cluster ------

PS C:\> $Action = New-ScheduledTaskAction -Execute Calc
PS C:\> $Trigger = New-ScheduledTaskTrigger -At 12:00 -Once
PS C:\> Register-ClusteredScheduledTask -TaskName "CalcTask02" -TaskType AnyNode -Action $Action -Trigger $Trigger

This example registers an active cluster nodes scheduled task.

The first command uses the New-ScheduledTaskAction cmdlet to create a task action and stores that action in the $Action variable.

The second command uses the New-ScheduledTaskTrigger cmdlet to create a task trigger and stores that trigger in the $Trigger variable.

The final command registers a scheduled task named CalcTask02 for active cluster nodes. Because the command does not specify a cluster, it uses the current cluster. The task uses the action and trigger stored in the two variables.

REMARKS

To see the examples, type: "get-help Register-ClusteredScheduledTask

-examples".

For more information, type: "get-help Register-ClusteredScheduledTask

-detailed".

For technical information, type: "get-help Register-ClusteredScheduledTask

-full".

For online help, type: "get-help Register-ClusteredScheduledTask -online"