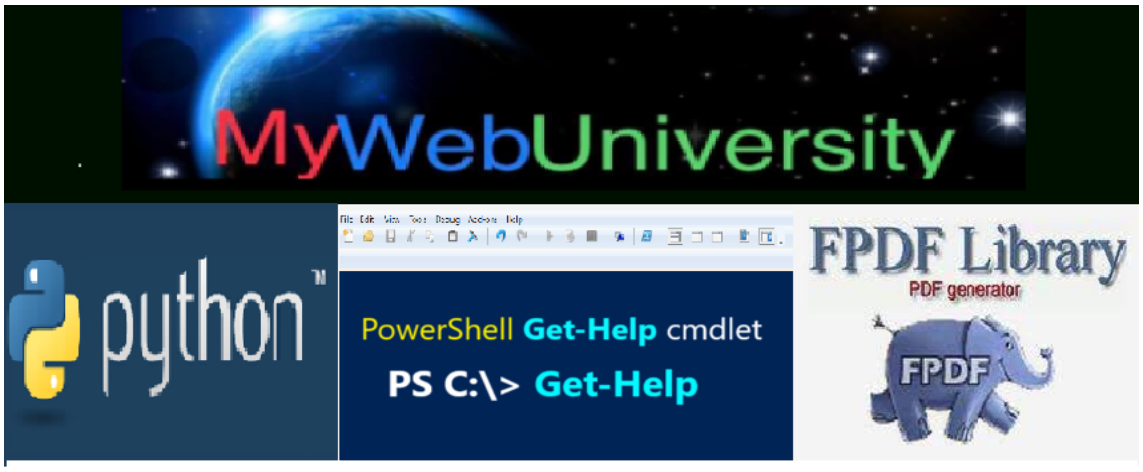

Full credit is given to all the above companies including the Operating System that this PDF file was generated!

Windows PowerShell Get-Help on Cmdlet 'Disable-AzBatchComputeNodeScheduling'

PS:\>Get-HELP Disable-AzBatchComputeNodeScheduling -Full

NAME

Disable-AzBatchComputeNodeScheduling

SYNOPSIS

Disables task scheduling on the specified compute node.

SYNTAX

Disable-AzBatchComputeNodeScheduling [[-ComputeNode] <Microsoft.Azure.Commands.Batch.Models.PSComputeNode>] -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext> [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisableSchedulingOption {Requeue | Terminate | TaskCompletion}] [<CommonParameters>]

Disable-AzBatchComputeNodeScheduling [-PoolId] <System.String> [-Id] <System.String> -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext> [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisableSchedulingOption {Requeue | Terminate | TaskCompletion}] [<CommonParameters>]

DESCRIPTION

The Disable-AzBatchComputeNodeScheduling cmdlet disables task scheduling on the specified compute node. A compute node is an Azure virtual machine dedicated to a

specific application workload. When you disable task scheduling on a compute node you will also have the option of determining what to do about jobs currently in the

node's task queue. Disable-AzBatchComputeNodeScheduling lets you do the following: - Terminate the tasks and put them back in the job queue. This enables those tasks

to be rescheduled on another compute node. - Terminate the tasks and remove them from the job queue. Tasks stopped in this manner will not be rescheduled. - Wait

for all the tasks currently being executed to complete and then disable task scheduling on the compute node.

- Wait for all the running tasks to complete and all the data retention periods to expire, and then disable task scheduling on the compute node.

PARAMETERS

-BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext>

Specifies the BatchAccountContext instance that this cmdlet uses to interact with the Batch service. If you use the Get-AzBatchAccount cmdlet to get your

BatchAccountContext, then Microsoft Entra authentication will be used when interacting with the Batch service. To use shared key authentication instead, use the

Get-AzBatchAccountKey cmdlet to get a BatchAccountContext object with its access keys populated. When using shared key authentication, the primary access key is

used by default. To change the key to use, set the BatchAccountContext.KeyInUse property.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-ComputeNode <Microsoft.Azure.Commands.Batch.Models.PSComputeNode>

Specifies an object reference to the compute node where task scheduling is disabled. This object reference is created by using the Get-AzBatchComputeNode cmdlet

and storing the returned compute node object in a variable.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByValue)

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

-DisableSchedulingOption <System.Nullable`1[Microsoft.Azure.Batch.Common.DisableComputeNodeSchedulingOption]>

Specifies how this cmdlet deals with any tasks currently running on the computer node where scheduling is being disabled. The acceptable values for this parameter

are: - Requeue. Tasks are stopped immediately and returned to the job queue. This enables the tasks to be rescheduled on another compute node. This is the default

value. - Terminate. Tasks are stopped immediately and removed from the job queue. These tasks will not be rescheduled. - TaskCompletion. Currently running tasks

will be able to complete before task scheduling is disabled on the compute node. No new tasks will be scheduled on this node. - RetainedData. Currently running

tasks will be able to complete and data retention periods will be able to expire before task scheduling is disabled on the compute node. No new tasks will be

scheduled on this node.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Id <System.String>

Specifies the ID of the compute node where task scheduling is disabled.

Required? true

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PoolId <System.String>

Specifies the ID of the batch pool that contains the compute node where task scheduling is disabled. If you use the PoolId parameter, do not use the ComputeNode

parameter in that same command.

Required? true

Position? 0

Default value None

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

Microsoft.Azure.Commands.Batch.Models.PSComputeNode

Microsoft.Azure.Commands.Batch.BatchAccountContext

OUTPUTS

System.Void

NOTES

----- Example 1: Disable task scheduling on a compute node -----

```
$Context = Get-AzBatchAccountKey -AccountName "contosobatchaccount"
Disable-AzBatchComputeNodeScheduling -PoolId "myPool" -Id "tvm-1783593343_34-20151117t222514z" -BatchContext
$Context
```

These commands disable task schedule on the compute node tvm-1783593343_34-20151117t222514z. To do this, the first command in the example creates an object reference

to the account keys for the batch account contosobatchaccount. This object reference is stored in a variable named $context. The second command then uses this object

reference and the Disable-AzBatchComputeNodeScheduling cmdlet to connect to the pool myPool and disable task scheduling on node tvm-1783593343_34-20151117t222514z.

Because the DisableComputeNodeSchedulingOptions parameter was not included any tasks currently running on the compute node will be requeued.

Example 2: Disable task scheduling on all compute nodes in a pool

```
$Context = Get-AzBatchAccountKey -AccountName "contosobatchaccount"
Get-AzBatchComputeNode -PoolId "Pool06" -BatchContext $Context | Disable-AzBatchComputeNodeScheduling -BatchContext $Context
```

These commands disable task scheduling on all the computer nodes in the batch pool Pool06. To perform this task, the first command in the example creates an object reference to the account keys for the batch account contosobatchaccount. This object reference is stored in a variable named $context. The second command in the example then uses this object reference and Get-AzBatchComputeNode to return a collection of all the compute nodes found in Pool06. That collection is then piped to then Disable-AzBatchComputeNodeScheduling cmdlet to disable task scheduling on each compute node in the collection. Because the DisableComputeNodeSchedulingOptions parameter was not included any tasks currently running on the compute nodes will be requeued.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.batch/disable-azbatchcomputenodescheduling

Get-AzBatchAccountKey

Enable-AzBatchComputeNodeScheduling