



Windows PowerShell Get-Help on Cmdlet 'Remove-AzBatchComputeNode'

PS:\>Get-HELP Remove-AzBatchComputeNode -Full

NAME

Remove-AzBatchComputeNode

SYNOPSIS

Removes compute nodes from a pool.

SYNTAX

```
Remove-AzBatchComputeNode [[-ComputeNode] <Microsoft.Azure.Commands.Batch.Models.PSComputeNode>]
-BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext>
[-DeallocationOption {Requeue | Terminate | TaskCompletion | RetainedData}] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force]
[-ResizeTimeout <System.Nullable`1[System.TimeSpan]>] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

```
Remove-AzBatchComputeNode [-PoolId] <System.String> [-Ids] <System.String[]> -BatchContext
<Microsoft.Azure.Commands.Batch.BatchAccountContext> [-DeallocationOption
{Requeue | Terminate | TaskCompletion | RetainedData}] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-Force] [-ResizeTimeout <System.Nullable`1[System.TimeSpan]>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Remove-AzBatchComputeNode cmdlet removes Azure Batch compute nodes from a pool.

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 the PSComputeNode object that represents the compute node that this cmdlet removes.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-DeallocationOption <System.Nullable`1[Microsoft.Azure.Batch.Common.ComputeNodeDeallocationOption]>

Specifies a deallocation option for the removal operation that this cmdlet starts. The default value is Requested.

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

-Force <System.Management.Automation.SwitchParameter>

Forces the command to run without asking for user confirmation.

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

-Ids <System.String[]>

Specifies an array of IDs of compute nodes that this cmdlet removes from the pool.

Required? true
Position? 1
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-PoolId <System.String>

Specifies the ID of the pool that contains the compute nodes that this cmdlet removes.

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResizeTimeout <System.Nullable`1[System.TimeSpan]>

Specifies the time-out interval for removal of the compute nodes from the pool. The default value is 10 minutes. The minimum value is 5 minutes.

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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](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: Remove a compute node -----

Remove-AzBatchComputeNode -PoolId "Pool07" -Ids "tvm-2316545714_1-20150725t213220z" -DeallocationOption

Terminate -ResizeTimeout ([TimeSpan]::FromMinutes(10))

-BatchContext \$Context

This command removes compute node that has the specified ID from pool that has the ID Pool07. The command specifies the Terminate deallocation option. The resize time-out is of 10 minutes.

---- Example 2: Remove a compute node by using the pipeline ----

```
Get-AzBatchComputeNode -PoolId "Pool07" -Id "tvm-2316545714_1-20150725t213220z" -BatchContext $Context |  
Remove-AzBatchComputeNode -Force -BatchContext $Context
```

This command gets the compute node that has the specified ID from pool that has the ID Pool07 by using the Get-AzBatchComputeNode cmdlet. The command passes that node to the current cmdlet by using the pipeline. The current cmdlet removes the compute node. The command specifies the Force parameter. Therefore, the command does not prompt you for confirmation.

----- Example 3: Remove multiple nodes -----

```
Remove-AzBatchComputeNode -PoolId "Pool07"  
@"tvm-1783593343_28-20151117t214257z","tvm-1783593343_29-20151117t214257z" -Force -BatchContext $Context
```

This command removes two compute nodes from the pool that has the ID Pool07. The command does not prompt you for confirmation.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.batch/remove-azbatchcomputenode>

Get-AzBatchAccountKey

Get-AzBatchComputeNode

