



Windows PowerShell Get-Help on Cmdlet 'Get-AzBatchPoolNodeCount'

PS:\>Get-HELP Get-AzBatchPoolNodeCount -Full

NAME

Get-AzBatchPoolNodeCount

SYNOPSIS

Gets Batch node counts per node state grouped by pool id.

SYNTAX

```
Get-AzBatchPoolNodeCount -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext> [-DefaultProfile  
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-MaxCount  
<System.Int32>] [<CommonParameters>]
```

```
Get-AzBatchPoolNodeCount -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext> [-DefaultProfile  
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Pool  
<Microsoft.Azure.Commands.Batch.Models.PSCloudPool>]  
    [<CommonParameters>]
```

```
Get-AzBatchPoolNodeCount -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext> [-DefaultProfile  
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-PoolId  
<System.String>] [<CommonParameters>]
```

DESCRIPTION

The Get-AzBatchPoolNodeCount cmdlet allows customers to get back node counts per node state grouped by pool. Possible node states are creating, idle, leavingPool, offline, preempted, rebooting, reimaging, running, starting, startTaskFailed, unknown, unusable and waitingForStartTask. The cmdlet takes PoolId or Pool parameter to filter only pool with pool id specified.

PARAMETERS

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

The BatchAccountContext instance to use when interacting 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

-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

-MaxCount <System.Int32>

Specifies the maximum number of pools to return. The default value is 10.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Pool <Microsoft.Azure.Commands.Batch.Models.PSCloudPool>

Specifies the PSCloudPool for which to get node counts.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-PoolId <System.String>

The id of the pool for which to get node counts.

Required? false

Position? named

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>).

INPUTS

System.String

Microsoft.Azure.Commands.Batch.Models.PSCloudPool

Microsoft.Azure.Commands.Batch.BatchAccountContext

OUTPUTS

Microsoft.Azure.Commands.Batch.Models.PSPoolNodeCounts

NOTES

----- Example 1 -----

```
$batchContext = Get-AzBatchAccountKey -AccountName "contosobatch"
```

```
Get-AzBatchPoolNodeCount -BatchContext $batchContext
```

PoolId	Dedicated	LowPriority
-----	-----	-----
contosopool1	Creating: 1, Idle: 1, Rebooting: 1, Running: 5, Total: 8	Total: 0
contosopool2	Idle: 1, Rebooting: 1, Total: 2	Total: 0

List node counts per node state for pools under current batch account context.

----- Example 2 -----

Get-AzBatchPoolNodeCount -BatchContext \$batchContext -PoolId "contosopool1"

PoolId	Dedicated	LowPriority
-----	-----	-----
contosopool1	Creating: 1, Idle: 1, Rebooting: 1, Running: 5, Total: 8	Total: 0

\$poolnodecounts = Get-AzBatchPoolNodeCount -BatchContext \$batchContext -PoolId "contosopool1"

\$poolnodecounts.Dedicated

Creating : 1
Idle : 1
LeavingPool : 0
Offline : 0
Preempted : 0
Rebooting : 1
Reimaging : 0
Running : 5
Starting : 0
StartTaskFailed : 0
Total : 8
Unknown : 0
Unusable : 0
WaitingForStartTask : 0

Get-AzBatchPool -Id "contosopool1" -BatchContext \$batchContext | Get-AzBatchPoolNodeCount -BatchContext \$batchContext

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contosopool1	Creating: 1, Idle: 1, Rebooting: 1, Running: 5, Total: 8	Total: 0

Show node counts per node state for a pool given pool id.

RELATED LINKS

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

Get-AzBatchAccountKey

Get-AzBatchJob

Azure Batch Cmdlets