



### ***Windows PowerShell Get-Help on Cmdlet 'Get-AzBatchPool'***

***PS:\>Get-HELP Get-AzBatchPool -Full***

#### NAME

Get-AzBatchPool

#### SYNOPSIS

Gets Batch pools under the specified Batch account.

#### SYNTAX

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

```
Get-AzBatchPool [[-Id] <System.String>] -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext>  
[-DefaultProfile  
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Expand  
<System.String>] [-Select <System.String>] [<CommonParameters>]
```

#### DESCRIPTION

The `Get-AzBatchPool` cmdlet gets the Azure Batch pools under the Batch account specified with the `BatchContext` parameter. You can use the `Id` parameter to get a single pool, or you can use the `Filter` parameter to get the pools that match an Open Data Protocol (OData) filter.

## 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

`-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

`-Expand <System.String>`

Specifies an Open Data Protocol (OData) expand clause. Specify a value for this parameter to get associated entities of the main entity that you get.

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

**-Filter <System.String>**

Specifies the OData filter clause to use when querying for pools. If you do not specify a filter, all pools under the Batch account specified with the BatchContext parameter are returned.

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

**-Id <System.String>**

Specifies the ID of the pool to get. You cannot specify wildcard characters.

Required? false  
Position? 0  
Default value None  
Accept pipeline input? True (ByPropertyName, ByValue)  
Accept wildcard characters? false

**-MaxCount <System.Int32>**

Specifies the maximum number of pools to return. If you specify a value of zero (0) or less, the cmdlet does not use an upper limit. The default value is 1000.

Required? false  
Position? named

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

**-Select <System.String>**

Specifies an OData select clause. Specify a value for this parameter to get specific properties rather than all object properties.

Required?               false  
Position?               named  
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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

**INPUTS**

System.String

Microsoft.Azure.Commands.Batch.BatchAccountContext

**OUTPUTS**

Microsoft.Azure.Commands.Batch.Models.PSCloudPool

## NOTES

----- Example 1: Get a pool by ID -----

```
Get-AzBatchPool -Id "MyPool" -BatchContext $Context
```

```
AllocationState           : Resizing
AllocationStateTransitionTime : 7/25/2015 9:30:28 PM
AutoScaleEnabled         : False
AutoScaleFormula         :
AutoScaleRun             :
CertificateReferences     :
CreationTime             : 7/25/2015 9:30:28 PM
CurrentDedicated         : 0
CurrentOSVersion         : *
DisplayName              :
ETag                    : 0x8D29538429CF04C
Id                      : MyPool
InterComputeNodeCommunicationEnabled : False
LastModified            : 7/25/2015 9:30:28 PM
MaxTasksPerComputeNode  : 1
Metadata                :
OSFamily                : 4
ResizeError             :
ResizeTimeout           : 00:05:00
TaskSchedulingPolicy     : Microsoft.Azure.Commands.Batch.Models.PSTaskSchedulingPolicy
StartTask               :
State                   : Active
StateTransitionTime     : 7/25/2015 9:30:28 PM
Statistics              :
```

TargetDedicated : 1  
TargetOSVersion : \*  
Url : https://cmdletexample.westus.batch.azure.com/pools/MyPool  
VirtualMachineSize : standard\_d1\_v2

This command gets the pool with ID MyPool.

----- Example 2: Get all pools using an OData filter -----

Get-AzBatchPool -Filter "startswith(id,'My')" -BatchContext \$Context

AllocationState : Resizing  
AllocationStateTransitionTime : 7/25/2015 9:30:28 PM  
AutoScaleEnabled : False  
AutoScaleFormula :  
AutoScaleRun :  
CertificateReferences :  
CreationTime : 7/25/2015 9:30:28 PM  
CurrentDedicated : 0  
CurrentOSVersion : \*  
DisplayName :  
ETag : 0x8D29538429CF04C  
Id : MyPool  
InterComputeNodeCommunicationEnabled : False  
LastModified : 7/25/2015 9:30:28 PM  
MaxTasksPerComputeNode : 1  
Metadata :  
OSFamily : 4  
ResizeError :  
ResizeTimeout : 00:05:00  
TaskSchedulingPolicy : Microsoft.Azure.Commands.Batch.Models.PSTaskSchedulingPolicy  
StartTask :

State : Active  
StateTransitionTime : 7/25/2015 9:30:28 PM  
Statistics :  
TargetDedicated : 1  
TargetOSVersion : \*  
Url : https://cmdletexample.westus.batch.azure.com/pools/MyPool  
VirtualMachineSize : standard\_d1\_v2

This command gets the pools whose IDs start with My by using the Filter parameter.

#### RELATED LINKS

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

[Get-AzBatchAccountKey](#)

[New-AzBatchPool](#)

[Remove-AzBatchPool](#)

[Azure Batch Cmdlets](#)