



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

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

NAME

Get-AzBatchTask

SYNOPSIS

Gets the Batch tasks for a job.

SYNTAX

```

    Get-AzBatchTask [-JobId] <System.String> -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-AzBatchTask    [[-Job]    <Microsoft.Azure.Commands.Batch.Models.PSCloudJob>]    -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-AzBatchTask [-JobId] <System.String> [[-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-AzBatchTask cmdlet gets Azure Batch tasks for a Batch job. Specify a job by either the JobId parameter or the Job parameter. To get a single task, specify the

Id parameter. You can specify the Filter parameter to get the tasks 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 OData expand clause. Specify a value for this parameter to get associated entities of the main entity to get.

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

-Filter <System.String>

Specifies an OData filter clause for tasks. If you do not specify a filter, this cmdlet returns all tasks for the Batch account or job.

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

-Id <System.String>

Specifies the ID of the task that this cmdlet gets. You cannot specify wildcard characters.

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

-Job <Microsoft.Azure.Commands.Batch.Models.PSCloudJob>

Specifies the job that contains tasks that this cmdlet gets. To obtain a PSCloudJob object, use the Get-AzBatchJob cmdlet.

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

-JobId <System.String>

Specifies the ID of the job that contains the tasks that this cmdlet gets.

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

-MaxCount <System.Int32>

Specifies the maximum number of tasks 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.Models.PSCloudJob

Microsoft.Azure.Commands.Batch.BatchAccountContext

OUTPUTS

Microsoft.Azure.Commands.Batch.Models.PSCloudTask

NOTES

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

```
Get-AzBatchTask -JobId "Job01" -Id "Task03" -BatchContext $Context
```

```
AffinityInformation      :
CommandLine              : cmd /c dir /s
ComputeNodeInformation   : Microsoft.Azure.Commands.Batch.Models.PSComputeNodeInformation
Constraints               : Microsoft.Azure.Commands.Batch.Models.PSTaskConstraints
CreationTime             : 7/25/2015 11:24:52 PM
DisplayName               :
EnvironmentSettings      :
ETag                     : 0x8D295483E08BD9D
ExecutionInformation     : Microsoft.Azure.Commands.Batch.Models.PSTaskExecutionInformation
Id                       : Task03
LastModified             : 7/25/2015 11:24:52 PM
PreviousState            : Running
PreviousStateTransitionTime : 7/25/2015 11:24:59 PM
ResourceFiles            :
RunElevated              : False
State                   : Completed
StateTransitionTime      : 7/25/2015 11:24:59 PM
Statistics               :
Url                      : https://pfuller.westus.batch.azure.com/jobs/Job01/tasks/Task03
```

This command gets the task with ID Task03 under job Job01. Use the Get-AzBatchAccountKey cmdlet to assign a context to the \$Context variable.

--- Example 2: Get all completed tasks from a specified job ---

```
Get-AzBatchTask -JobId "Job02" -Filter "state eq 'completed'" -BatchContext $Context
```

```
AffinityInformation      :
```

CommandLine : cmd /c dir /s
ComputeNodeInformation : Microsoft.Azure.Commands.Batch.Models.PSComputeNodeInformation
Constraints : Microsoft.Azure.Commands.Batch.Models.PSTaskConstraints
CreationTime : 3/24/2015 10:21:51 PM
EnvironmentSettings :
ETag : 0x8D295483E08BD9D
ExecutionInformation : Microsoft.Azure.Commands.Batch.Models.PSTaskExecutionInformation
Id : Task17
LastModified : 3/24/2015 10:21:51 PM
PreviousState : Running
PreviousStateTransitionTime : 3/24/2015 10:22:00 PM
ResourceFiles :
RunElevated : False
State : Completed
StateTransitionTime : 3/24/2015 10:22:00 PM
Statistics :
Url : <https://pfuller.westus.batch.azure.com/jobs/Job02/tasks/Task17>

AffinityInformation :
CommandLine : cmd /c echo hello > newFile.txt
ComputeNodeInformation : Microsoft.Azure.Commands.Batch.Models.PSComputeNodeInformation
Constraints : Microsoft.Azure.Commands.Batch.Models.PSTaskConstraints
CreationTime : 3/24/2015 10:21:51 PM
EnvironmentSettings :
ETag : 0x8D295483E08BD9D
ExecutionInformation : Microsoft.Azure.Commands.Batch.Models.PSTaskExecutionInformation
Id : Task27
LastModified : 3/24/2015 10:23:35 PM
PreviousState : Running
PreviousStateTransitionTime : 3/24/2015 10:23:37 PM
ResourceFiles :
RunElevated : True
State : Completed

StateTransitionTime : 3/24/2015 10:23:37 PM

Statistics :

Url : <https://pfuller.westus.batch.azure.com/jobs/Job02/tasks/Task27>

This command gets the completed tasks from the job that has the ID Job02.

RELATED LINKS

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

[Get-AzBatchAccountKey](#)

[Get-AzBatchJob](#)

[New-AzBatchTask](#)

[Remove-AzBatchTask](#)

[Stop-AzBatchTask](#)

[Azure Batch Cmdlets](#)