



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

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

NAME

Get-AzBatchJob

SYNOPSIS

Gets Batch jobs for a Batch account or job schedule.

SYNTAX

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

Get-AzBatchJob [[-JobSchedule] <Microsoft.Azure.Commands.Batch.Models.PSCloudJobSchedule>] -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-AzBatchJob [[-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-AzBatchJob cmdlet gets the Azure Batch jobs for the Batch account specified by the BatchAccountContext parameter. You can use the Id parameter to get a single

job. You can use the Filter parameter to get the jobs that match an Open Data Protocol (OData) filter. If you supply a job schedule ID or PSJobSchedule instance,

this cmdlet returns only the jobs for that job schedule.

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

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

-Id <System.String>

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

Required? false
Position? 0
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-JobSchedule <Microsoft.Azure.Commands.Batch.Models.PSCloudJobSchedule>

Specifies a PSCloudJobSchedule object that represents the job schedule which contains the jobs. To obtain a PSCloudJobSchedule object, use the

Get-AzBatchJobSchedule cmdlet.

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

-JobScheduleId <System.String>

Specifies the ID of the job schedule which contains the jobs.

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

-MaxCount <System.Int32>

Specifies the maximum number of jobs 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 an 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.PSCloudJobSchedule

Microsoft.Azure.Commands.Batch.BatchAccountContext

OUTPUTS

Microsoft.Azure.Commands.Batch.Models.PSCloudJob

NOTES

----- Example 1: Get a Batch job by ID -----

```
Get-AzBatchJob -Id "Job01" -BatchContext $Context
```

CommonEnvironmentSettings :

Constraints : Microsoft.Azure.Commands.Batch.Models.PSJobConstraints

CreationTime : 7/25/2015 9:12:07 PM

DisplayName :

ETag : 0x8D29535B2941439

ExecutionInformation : Microsoft.Azure.Commands.Batch.Models.PSJobExecutionInformation

Id : Job01

JobManagerTask :

JobPreparationTask :

JobReleaseTask :

LastModified : 7/25/2015 9:12:07 PM

Metadata :

PoolInformation : Microsoft.Azure.Commands.Batch.Models.PSPoolInformation

PreviousState :

PreviousStateTransitionTime :

Priority : 0

State : Active

StateTransitionTime : 7/25/2015 9:12:07 PM

Statistics :

Url : <https://pfuller.westus.batch.azure.com/jobs/Job01>

This command gets the job that has the ID Job01. Use the Get-AzBatchAccountKey cmdlet to assign a context to the \$Context variable.

----- Example 2: Get all active jobs for a job schedule -----

```
Get-AzBatchJob -JobScheduleId "JobSchedule27" -Filter "state eq 'active'" -BatchContext $Context
```

CommonEnvironmentSettings :

Constraints : Microsoft.Azure.Commands.Batch.Models.PSJobConstraints

CreationTime : 7/25/2015 9:15:44 PM

DisplayName :

ETag : 0x8D2953633DD13E1

ExecutionInformation : Microsoft.Azure.Commands.Batch.Models.PSJobExecutionInformation

Id : JobSchedule27:job-1

JobManagerTask :

JobPreparationTask :

JobReleaseTask :

LastModified : 7/25/2015 9:15:44 PM

Metadata :

PoolInformation : Microsoft.Azure.Commands.Batch.Models.PSPoolInformation

PreviousState :

PreviousStateTransitionTime :

Priority : 0

State : Active

StateTransitionTime : 7/25/2015 9:15:44 PM

Statistics :

Url : <https://pfuller.westus.batch.azure.com/jobs/JobSchedule27:job-1>

This command gets the active jobs for the job schedule that has the ID JobSchedule27.

Example 3: Gets all jobs under a job schedule by using the pipeline

```
Get-AzBatchJobSchedule -Id "JobSchedule27" -BatchContext $Context | Get-AzBatchJob -BatchContext $Context
```

CommonEnvironmentSettings :

Constraints : Microsoft.Azure.Commands.Batch.Models.PSJobConstraints

CreationTime : 7/25/2015 9:15:44 PM

DisplayName :
ETag : 0x8D2953633DD13E1
ExecutionInformation : Microsoft.Azure.Commands.Batch.Models.PSJobExecutionInformation
Id : JobSchedule27:job-1
JobManagerTask :
JobPreparationTask :
JobReleaseTask :
LastModified : 7/25/2015 9:15:44 PM
Metadata :
PoolInformation : Microsoft.Azure.Commands.Batch.Models.PSPoolInformation
PreviousState :
PreviousStateTransitionTime :
Priority : 0
State : Active
StateTransitionTime : 7/25/2015 9:15:44 PM
Statistics :
Url : https://pfuller.westus.batch.azure.com/jobs/JobSchedule27:job-1

This command gets the job schedule that has the ID JobSchedule27 by using the Get-AzBatchJobSchedule cmdlet. The command passes that job schedule to the current cmdlet by using the pipeline operator. The command gets all jobs for that job schedule.

RELATED LINKS

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

Disable-AzBatchJob

Enable-AzBatchJob

Get-AzBatchAccountKey

Get-AzBatchJobSchedule

New-AzBatchJob

Remove-AzBatchJob

Stop-AzBatchJob

