



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

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

NAME

New-AzBatchJob

SYNOPSIS

Creates a job in the Batch service.

SYNTAX

```
New-AzBatchJob [-Id] <System.String> -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext>
[-CommonEnvironmentSettings <System.Collections.IDictionary>]
[-Constraints <Microsoft.Azure.Commands.Batch.Models.PSJobConstraints>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisplayName
<System.String>] [-JobManagerTask
<Microsoft.Azure.Commands.Batch.Models.PSJobManagerTask>] [-JobPreparationTask
<Microsoft.Azure.Commands.Batch.Models.PSJobPreparationTask>] [-JobReleaseTask
<Microsoft.Azure.Commands.Batch.Models.PSJobReleaseTask>] [-Metadata <System.Collections.IDictionary>]
[-OnAllTasksComplete {NoAction | TerminateJob}] [-OnTaskFailure
{NoAction | PerformExitOptionsJobAction}] [-PoolInformation
<Microsoft.Azure.Commands.Batch.Models.PSPoolInformation>] [-Priority <System.Int32>]
[-UsesTaskDependencies] [<CommonParameters>]
```

DESCRIPTION

The `New-AzBatchJob` cmdlet creates a job in the Azure Batch service in the account specified by the `BatchAccountContext` parameter.

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

`-CommonEnvironmentSettings <System.Collections.IDictionary>`

Specifies the common environment variables, as key/value pairs, that this cmdlet sets for all tasks in the job. The key is the environment variable name. The

value is the environment variable value.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Constraints <Microsoft.Azure.Commands.Batch.Models.PSJobConstraints>

Specifies the execution constraints for the job.

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

-DisplayName <System.String>

Specifies the display name for the job.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Id <System.String>

Specifies an ID for the job.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-JobManagerTask <Microsoft.Azure.Commands.Batch.Models.PSJobManagerTask>

Specifies the Job Manager task. The Batch service runs the Job Manager task when the job is started.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-JobPreparationTask <Microsoft.Azure.Commands.Batch.Models.PSJobPreparationTask>

Specifies the Job Preparation task. The Batch service runs the Job Preparation task on a compute node before it starts any tasks of that job on that compute node.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-JobReleaseTask <Microsoft.Azure.Commands.Batch.Models.PSJobReleaseTask>

Specifies the Job Release task. The Batch service runs the Job Release task when the job ends. The Batch service runs the Job Release task on each compute node

where it ran any task of the job.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Metadata <System.Collections.IDictionary>

Specifies metadata, as key/value pairs, to add to the job. The key is the metadata name. The value is the metadata value.

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

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

Specifies an action the Batch service takes if all tasks in the job are in the completed state.

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

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

Specifies an action the Batch service takes if any task in the job fails.

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

-PoolInformation <Microsoft.Azure.Commands.Batch.Models.PSPoolInformation>

Specifies the details of the pool on which the Batch service runs the tasks of the job.

Required? true

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

-Priority <System.Int32>

Specifies the priority of the job. Valid values are: integers from -1000 to 1000. A value of -1000 is the lowest priority. A value of 1000 is the highest priority. The default value is 0.

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

-UsesTaskDependencies <System.Management.Automation.SwitchParameter>

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

System.String

Microsoft.Azure.Commands.Batch.BatchAccountContext

OUTPUTS

System.Void

NOTES

----- Example 1: Create a job -----

```
$PoolInformation = New-Object -TypeName "Microsoft.Azure.Commands.Batch.Models.PSPoolInformation"
```

```
$PoolInformation.PoolId = "Pool22"
```

```
New-AzBatchJob -Id "ContosoJob35" -PoolInformation $PoolInformation -BatchContext $Context
```

The first command creates a PSPoolInformation object by using the New-Object cmdlet. The command stores that object in the \$PoolInformation variable. The second

command assigns the ID Pool22 to the PoolId property of the object in \$PoolInformation. The final command creates a job that has the ID ContosoJob35. Tasks added to

the job run on the pool that has the ID Pool22. Use the Get-AzBatchAccountKey cmdlet to assign a context to the \$Context variable.

RELATED LINKS

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

Disable-AzBatchJob

Enable-AzBatchJob

Get-AzBatchAccountKey

Get-AzBatchJob

Get-AzBatchJobSchedule

Remove-AzBatchJob

Stop-AzBatchJob

Azure Batch Cmdlets