



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

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

NAME

New-AzHDInsightMapReduceJobDefinition

SYNOPSIS

Creates a MapReduce job object.

SYNTAX

```
New-AzHDInsightMapReduceJobDefinition [-Arguments <System.String[]>] -ClassName <System.String> [-DefaultProfile  
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Defines  
<System.Collections.Hashtable>] [-Files <System.String[]>  
    -JarFile <System.String> [-JobName <System.String>] [-LibJars <System.String[]>] [-StatusFolder <System.String>]  
    [<CommonParameters>]
```

DESCRIPTION

The New-AzHDInsightMapReduceJobDefinition cmdlet defines a new MapReduce job for use with an Azure HDInsight cluster.

PARAMETERS

-Arguments <System.String[]>

Specifies an array of arguments for the job. The arguments are passed as command-line arguments to each task.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ClassName <System.String>

Specifies the job class in the JAR file.

Required? true

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

-Defines <System.Collections.Hashtable>

Specifies Hadoop configuration values to set for when the job runs.

Required? false

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

-Files <System.String[]>

Specifies a collection of files that are associated with a Hive job.

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

-JarFile <System.String>

Specifies the JAR file to use for the job.

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

-JobName <System.String>

Specifies the name of the job.

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

-LibJars <System.String[]>

Specifies the lib JARS for the job.

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

-StatusFolder <System.String>

Specifies the location of the folder that contains standard outputs and error outputs for a job.

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>).

INPUTS

None

OUTPUTS

Microsoft.Azure.Commands.HDInsight.Models.AzureHDInsightMapReduceJobDefinition

NOTES

----- Example 1: Create a MapReduce job definition -----

```
# Cluster info
```

```
$clusterName = "your-hadoop-001"
```

```
$clusterCreds = Get-Credential
```

```
New-AzHDInsightMapReduceJobDefinition -StatusFolder $statusFolder `
```

```
    -ClassName $className `
```

```
    -JarFile $jarFilePath `
```

```
| Start-AzHDInsightJob `
```

```
    -ClusterName $clusterName `
```

```
    -ClusterCredential $clusterCreds
```

This command creates a MapReduce job definition.

RELATED LINKS

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

Start-AzHDInsightJob