



## ***Windows PowerShell Get-Help on Cmdlet 'New-AzMLWorkspaceCommandJobObject'***

***PS:\>Get-HELP New-AzMLWorkspaceCommandJobObject -Full***

### NAME

New-AzMLWorkspaceCommandJobObject

### SYNOPSIS

Create an in-memory object for CommandJob.

### SYNTAX

```
New-AzMLWorkspaceCommandJobObject -Command <String> -EnvironmentId <String> [-CodeId <String>]
[-DistributionType <DistributionType>] [-EnvironmentVariable
<Hashtable>] [-JobInput <ICommandJobInputs>] [-LimitTimeout <TimeSpan>] [-JobOutput <ICommandJobOutputs>]
[-ResourceInstanceCount <Int32>] [-ResourceInstanceType
<String>] [-ResourceProperty <IResourceConfigurationProperties>] [-ComputeId <String>] [-DisplayName <String>]
[-ExperimentName <String>] [-IdentityType
<IdentityConfigurationType>] [-IsArchived <Boolean>] [-ServiceEndpoint <String>] [-ServicePort <Int32>]
[-ServiceProperty <IJobServiceProperties>] [-ServiceType
<String>] [-Description <String>] [-Property <IResourceBaseProperties>] [-Tag <IResourceBaseTags>]
[<CommonParameters>]
```

## DESCRIPTION

Create an in-memory object for CommandJob.

## PARAMETERS

-Command <String>

[Required] The command to execute on startup of the job.

eg.

"python train.py".

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-EnvironmentId <String>

[Required] The ARM resource ID of the Environment specification for the job.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CodeId <String>

ARM resource ID of the code asset.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DistributionType <DistributionType>

[Required] Specifies the type of distribution framework.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-EnvironmentVariable <Hashtable>

Environment variables included in the job.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-JobInput <ICommandJobInputs>

Mapping of input data bindings used in the job.

To construct, see NOTES section for JOBINPUT properties and create a hash table.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-LimitTimeout <TimeSpan>

The max run duration in ISO 8601 format, after which the job will be cancelled.

Only supports duration with precision as low as Seconds.

Required? false  
Position? named  
Default value  
Accept pipeline input? false  
Accept wildcard characters? false

**-JobOutput <ICommandJobOutputs>**

Mapping of output data bindings used in the job.

To construct, see NOTES section for JOBOUTPUT properties and create a hash table.

Required? false  
Position? named  
Default value  
Accept pipeline input? false  
Accept wildcard characters? false

**-ResourceInstanceCount <Int32>**

Optional number of instances or nodes used by the compute target.

Required? false  
Position? named  
Default value 0  
Accept pipeline input? false  
Accept wildcard characters? false

**-ResourceInstanceType <String>**

Optional type of VM used as supported by the compute target.

Required? false  
Position? named  
Default value  
Accept pipeline input? false  
Accept wildcard characters? false

-ResourceProperty <IResourceConfigurationProperties>

Additional properties bag.

To construct, see NOTES section for RESOURCEPROPERTY properties and create a hash table.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ComputeId <String>

ARM resource ID of the compute resource.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DisplayName <String>

Display name of job.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ExperimentName <String>

The name of the experiment the job belongs to.

If not set, the job is placed in the "Default" experiment.

Required? false  
Position? named  
Default value  
Accept pipeline input? false  
Accept wildcard characters? false

-IdentityType <IdentityConfigurationType>

[Required] Specifies the type of identity framework.

Required? false  
Position? named  
Default value  
Accept pipeline input? false  
Accept wildcard characters? false

-IsArchived <Boolean>

Is the asset archived?.

Required? false  
Position? named  
Default value False  
Accept pipeline input? false  
Accept wildcard characters? false

-ServiceEndpoint <String>

Url for endpoint.

Required? false  
Position? named  
Default value  
Accept pipeline input? false  
Accept wildcard characters? false

#### -ServicePort <Int32>

Port for endpoint.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

#### -ServiceProperty <IJobServiceProperties>

Additional properties to set on the endpoint.

To construct, see NOTES section for SERVICEPROPERTY properties and create a hash table.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

#### -ServiceType <String>

Endpoint type.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

#### -Description <String>

The asset description text.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

#### -Property <IResourceBaseProperties>

The asset property dictionary.

To construct, see NOTES section for PROPERTY properties and create a hash table.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

#### -Tag <IResourceBaseTags>

Tag dictionary.

Tags can be added, removed, and updated.

To construct, see NOTES section for TAG properties and create a hash table.

Required? false

Position? named

Default value

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



## OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.MachineLearningServices.Models.Api20220501.CommandJob

## NOTES

### COMPLEX PARAMETER PROPERTIES

To create the parameters described below, construct a hash table containing the appropriate properties. For information on hash tables, run Get-Help

about\_Hash\_Tables.

JOBINPUT <ICommandJobInputs>: Mapping of input data bindings used in the job.

[(Any) <IJobInput>]: This indicates any property can be added to this object.

JOBOUTPUT <ICommandJobOutputs>: Mapping of output data bindings used in the job.

[(Any) <IJobOutput>]: This indicates any property can be added to this object.

PROPERTY <IResourceBaseProperties>: The asset property dictionary.

[(Any) <String>]: This indicates any property can be added to this object.

RESOURCEPROPERTY <IResourceConfigurationProperties>: Additional properties bag.

[(Any) <Object>]: This indicates any property can be added to this object.

SERVICEPROPERTY <IJobServiceProperties>: Additional properties to set on the endpoint.

[(Any) <String>]: This indicates any property can be added to this object.

TAG <IResourceBaseTags>: Tag dictionary. Tags can be added, removed, and updated.

[(Any) <String>]: This indicates any property can be added to this object.

----- EXAMPLE 1 -----

PS C:\># You can use following commands to create job input or job output as value pass to JobInput or JobOutput parameter of the New-AzMLWorkspaceCommandJobObject

```
# New-AzMLWorkspaceCustomModelJobInputObject
# New-AzMLWorkspaceCustomModelJobOutputObject
# New-AzMLWorkspaceLiteralJobInputObject
# New-AzMLWorkspaceMLFlowModelJobInputObject
# New-AzMLWorkspaceMLFlowModelJobOutputObject
# New-AzMLWorkspaceMLTableJobInputObject
# New-AzMLWorkspaceMLTableJobOutputObject
# New-AzMLWorkspaceSharedPrivateLinkResourceObject
# New-AzMLWorkspaceTritonModelJobInputObject
# New-AzMLWorkspaceTritonModelJobOutputObject
# New-AzMLWorkspaceUriFileJobInputObject
# New-AzMLWorkspaceUriFileJobOutputObject
# New-AzMLWorkspaceUriFolderJobInputObject
# New-AzMLWorkspaceUriFolderJobOutputObject
```

```
New-AzMLWorkspaceCommandJobObject -Command "echo `\"hello world`\""" `
```

-ComputeId

```
'/subscriptions/9e223dbe-3399-4e19-88eb-0975f02ac87f/resourceGroups/ml-rg-test/providers/Microsoft.MachineLearningServices/workspaces/mlworkspace-test01/computes/aml02' `
```

-EnvironmentId

```
'/subscriptions/9e223dbe-3399-4e19-88eb-0975f02ac87f/resourceGroups/ml-rg-test/providers/Microsoft.MachineLearningServices/workspaces/mlworkspace-test01/environments/commandjobenv/versions/1'`
```

```
-DisplayName 'commandjob01' -ExperimentName 'commandjobexperiment'
```

## RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.MLWorkspace/new-AzMLWorkspaceCommandJobObject>