



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

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

NAME

New-AzServiceFabricApplication

SYNOPSIS

Create new service fabric application under the specified resource group and cluster.

SYNTAX

```
New-AzServiceFabricApplication [-ResourceGroupName] <System.String> [-ClusterName] <System.String>
[-ApplicationTypeName] <System.String> [-ApplicationTypeVersion]
<System.String> [-ApplicationParameter <System.Collections.Hashtable>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force]
[-MaximumNodeCount <System.Int64>] [-MinimumNodeCount
<System.Int64>] -Name <System.String> -PackageUrl <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

This cmdlet creates a new service fabric application under the specified resource group and cluster. The parameter -PackageUrl can be used to create the type version,

If the type version already exists but its in 'Failed' state the cmdlet will ask if the user wants to recreate the type version. If it

continues in 'Failed' state, the
command will stop the process and throw an exception.

PARAMETERS

-ApplicationParameter <System.Collections.Hashtable>

Specify the application parameters as key/value pairs. These parameters must exist in the application manifest.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ApplicationTypeName <System.String>

Specify the name of the application type

Required? true

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ApplicationTypeVersion <System.String>

Specify the application type version

Required? true

Position? 3

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ClusterName <System.String>

Specify the name of the cluster.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

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

-Force <System.Management.Automation.SwitchParameter>

Continue without prompts

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-MaximumNodeCount <System.Int64>

Specifies the maximum number of nodes on which to place an application

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-MinimumNodeCount <System.Int64>

Specifies the minimum number of nodes where Service Fabric will reserve capacity for this application

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

Specify the name of the application

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PackageUrl <System.String>

Specify the url of the application package sfpkg file

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specify the name of the resource group.

Required? true

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

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

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

-WhatIf <System.Management.Automation.SwitchParameter>

Shows what would happen if the cmdlet runs. The cmdlet is not run.

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

OUTPUTS

Microsoft.Azure.Commands.ServiceFabric.Models.PSApplication

NOTES

----- Example 1 -----

```
New-AzServiceFabricApplication -ResourceGroupName "testRG" -ClusterName "testCluster" -ApplicationTypeName  
"TestAppType" -ApplicationTypeVersion "v1" -Name "testApp"  
-ApplicationParameter @{key0="value0";key1=$null;key2="value2"}
```

This example creates the application "testApp" under resource group "testRG" and cluster "testCluster". The application type "TestAppType" version "v1" should already

exist in the cluster, and the application parameters should be defined in the application manifest otherwise the cmdlet will fail.

Example 2: Specify -PackageUrl to create the application type version before creating the application.

```
New-AzServiceFabricApplication -ResourceGroupName "testRG" -ClusterName "testCluster" -ApplicationTypeName  
"TestAppType" -ApplicationTypeVersion "v1" -Name "testApp"  
-PackageUrl "https://sftestapp.blob.core.windows.net/sftestapp/testApp_1.0.sfpkg" -ApplicationParameter  
@{key0="value0";key1=$null;key2="value2"}
```

This example creates the application type "TestAppType" version "v1" using the package url provided. After this, it will continue the normal process to create the application. If the application type version already exists and the provisioning state is in 'Failed' it will prompt to decide if the user wants to recreate the type version.

RELATED LINKS

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