



Windows PowerShell Get-Help on Cmdlet 'Test-AzDeployment'

PS:\>Get-HELP Test-AzDeployment -Full

NAME

Test-AzDeployment

SYNOPSIS

Validates a deployment.

SYNTAX

```

Test-AzDeployment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Location
<System.String> [-Name
<System.String>] [-Pre] [-QueryString <System.String>] [-SkipTemplateParameterPrompt] -TemplateFile <System.String>]
[<CommonParameters>]

```

```

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<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Location
<System.String> [-Name
<System.String>] [-Pre] [-QueryString <System.String>] [-SkipTemplateParameterPrompt] -TemplateFile <System.String>]
-TemplateParameterObject
<System.Collections.Hashtable> [<CommonParameters>]

```

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<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Location
<System.String> [-Name
 <System.String>] [-Pre] [-QueryString <System.String>] [-SkipTemplateParameterPrompt] -TemplateFile <System.String>
-TemplateParameterFile <System.String>
 [<CommonParameters>]

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<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Location
<System.String> [-Name
 <System.String>] [-Pre] [-QueryString <System.String>] [-SkipTemplateParameterPrompt] -TemplateFile <System.String>
-TemplateParameterUri <System.String>
 [<CommonParameters>]

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<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Location
<System.String> [-Name
 <System.String>] [-Pre] [-QueryString <System.String>] [-SkipTemplateParameterPrompt] -TemplateObject
<System.Collections.Hashtable> -TemplateParameterObject
 <System.Collections.Hashtable> [<CommonParameters>]

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[<CommonParameters>]

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<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Location

<System.String> [-Name

<System.String>] [-Pre] [-QueryString <System.String>] [-SkipTemplateParameterPrompt] -TemplateParameterFile

<System.String> -TemplateSpecId <System.String>

[<CommonParameters>]

Test-AzDeployment [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Location

<System.String> [-Name

<System.String>] [-Pre] [-QueryString <System.String>] [-SkipTemplateParameterPrompt] -TemplateParameterFile

<System.String> [<CommonParameters>]

Test-AzDeployment [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Location

<System.String> [-Name

<System.String>] [-Pre] [-QueryString <System.String>] [-SkipTemplateParameterPrompt] -TemplateParameterObject

<System.Collections.Hashtable> -TemplateUri

<System.String> [<CommonParameters>]

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<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

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<System.String> [-Name

<System.String>] [-Pre] [-QueryString <System.String>] [-SkipTemplateParameterPrompt] -TemplateParameterObject

<System.Collections.Hashtable> -TemplateSpecId

<System.String> [<CommonParameters>]

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<System.String> -TemplateUri <System.String>

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<System.String> -TemplateSpecId <System.String>

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<System.String>] [-Pre] [-QueryString <System.String>] [-SkipTemplateParameterPrompt] -TemplateSpecId

<System.String> [<CommonParameters>]

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<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

-Location

<System.String> [-Name

<System.String>] [-Pre] [-QueryString <System.String>] [-SkipTemplateParameterPrompt] -TemplateUri <System.String>
[<CommonParameters>]

DESCRIPTION

The Test-AzDeployment cmdlet determines whether a deployment template and its parameter values are valid.

PARAMETERS

-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

-Location <System.String>

The location to store deployment data.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

The name of the deployment it's going to test. If not specified, defaults to the template file name when a template file is provided

Required? false

Position? named

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

-Pre <System.Management.Automation.SwitchParameter>

When set, indicates that the cmdlet should use pre-release API versions when automatically determining which version to use.

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

-QueryString <System.String>

The query string (for example, a SAS token) to be used with the TemplateUri parameter. Would be used in case of linked templates

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

-SkipTemplateParameterPrompt <System.Management.Automation.SwitchParameter>

Skips the PowerShell dynamic parameter processing that checks if the provided template parameter contains all necessary parameters used by the template. This

check would prompt the user to provide a value for the missing parameters, but providing the

-SkipTemplateParameterPrompt will ignore this prompt and error out

immediately if a parameter was found not to be bound in the template. For non-interactive scripts,

-SkipTemplateParameterPrompt can be provided to provide a

better error message in the case where not all required parameters are satisfied.

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

-TemplateFile <System.String>

Local path to the template file. Supported template file type: json and bicep.

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

-TemplateObject <System.Collections.Hashtable>

A hash table which represents the template.

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

-TemplateParameterFile <System.String>

Parameter file to use for the template.

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

-TemplateParameterObject <System.Collections.Hashtable>

A hash table which represents the parameters.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TemplateParameterUri <System.String>

Uri to the template parameter file.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TemplateSpecId <System.String>

Resource ID of the templateSpec to be deployed.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TemplateUri <System.String>

Uri to the template file.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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.Collections.Hashtable

System.String

OUTPUTS

Microsoft.Azure.Commands.ResourceManager.Cmdlets.SdkModels.PSResourceManagerError

NOTES

Example 1: Test deployment with a custom template and parameter file

```
Test-AzDeployment -Location "West US" -TemplateFile "D:\Azure\Templates\EngineeringSite.json"  
-TemplateParameterFile "D:\Azure\Templates\EngSiteParms.json"
```

This command tests a deployment at the current subscription scope using the given template file and parameter file.

Example 2: Test deployment with a custom template object and parameter file

```
$TemplateFileText = [System.IO.File]::ReadAllText("D:\Azure\Templates\EngineeringSite.json")
```

```
$TemplateObject = ConvertFrom-Json $TemplateFileText -AsHashtable
```

```
Test-AzDeployment -Location "West US" -TemplateObject $TemplateObject -TemplateParameterFile  
"D:\Azure\Templates\EngSiteParams.json"
```

This command tests a deployment at the current subscription scope using the an in-memory hashtable created from the given template file and a parameter file.

----- Example 3 -----

```
Test-AzDeployment -Location 'West US' -SkipTemplateParameterPrompt -TemplateFile  
'D:\Azure\Templates\EngineeringSite.json' -TemplateParameterFile  
'D:\Azure\Templates\EngSiteParams.json'
```

-- Example 4: Use a .bicepparam file to validate a deployment --

```
Test-AzDeployment -Location "West US" -TemplateParameterFile "./parameters.bicepparam"
```

This command validates the deployment at the current subscription scope by using a .bicepparam file on disk. The command uses the TemplateParameterFile parameter to specify a .bicepparam file.

