



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

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

NAME

New-AzResourceGroupDeployment

SYNOPSIS

Adds an Azure deployment to a resource group.

SYNTAX

```
New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]
[-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>
[-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateFile
<System.String> [-WhatIfExcludeChangeType <System.String[]>] [-WhatIfResultFormat {ResourceIdOnly |
FullResourcePayloads}] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
```

```
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
Page 1 of 1
```

```

[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]

    [-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>

    [-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateFile

        <System.String> -TemplateParameterObject <System.Collections.Hashtable> [-WhatIfExcludeChangeType
<System.String[]>] [-WhatIfResultFormat {ResourceIdOnly |
FullResourcePayloads}] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]

    [-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>

    [-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateFile

        <System.String> -TemplateParameterFile <System.String> [-WhatIfExcludeChangeType <System.String[]>]
[-WhatIfResultFormat {ResourceIdOnly | FullResourcePayloads}]

    [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]

    [-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>

    [-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateFile

        <System.String> -TemplateParameterUri <System.String> [-WhatIfExcludeChangeType <System.String[]>]
[-WhatIfResultFormat {ResourceIdOnly | FullResourcePayloads}]

    [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

```

```

[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]

    [-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>

    [-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateObject

        <System.Collections.Hashtable> -TemplateParameterObject <System.Collections.Hashtable>

[-WhatIfExcludeChangeType <System.String[]>] [-WhatIfResultFormat

    {ResourceIdOnly | FullResourcePayloads}] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile

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

[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]

    [-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>

    [-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateObject

        <System.Collections.Hashtable> -TemplateParameterFile <System.String> [-WhatIfExcludeChangeType
<System.String[]>] [-WhatIfResultFormat {ResourceIdOnly |

    FullResourcePayloads}] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile

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

[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]

    [-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>

    [-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateObject

        <System.Collections.Hashtable> -TemplateParameterUri <System.String> [-WhatIfExcludeChangeType
<System.String[]>] [-WhatIfResultFormat {ResourceIdOnly |

    FullResourcePayloads}] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile

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

```

```

[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]
    [-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>
    [-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateObject
    <System.Collections.Hashtable> [-WhatIfExcludeChangeType <System.String[]>] [-WhatIfResultFormat {ResourceIdOnly
| FullResourcePayloads}] [-Confirm] [-WhatIf]
    [<CommonParameters>]

```

```

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]
    [-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>
    [-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateParameterFile
    <System.String> -TemplateUri <System.String> [-WhatIfExcludeChangeType <System.String[]>] [-WhatIfResultFormat
{ResourceIdOnly | FullResourcePayloads}] [-Confirm]
    [-WhatIf] [<CommonParameters>]

```

```

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]
    [-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>
    [-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateParameterFile
    <System.String> -TemplateSpecId <System.String> [-WhatIfExcludeChangeType <System.String[]>]
[-WhatIfResultFormat {ResourceIdOnly | FullResourcePayloads}] [-Confirm]
    [-WhatIf] [<CommonParameters>]

```

```

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

```

```

[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]
    [-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>
    [-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateParameterFile
    <System.String> [-WhatIfExcludeChangeType <System.String[]>] [-WhatIfResultFormat {ResourceIdOnly |
FullResourcePayloads}] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]
    [-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>
    [-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateParameterObject
    <System.Collections.Hashtable> -TemplateUri <System.String> [-WhatIfExcludeChangeType <System.String[]>]
[-WhatIfResultFormat {ResourceIdOnly | FullResourcePayloads}]
    [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]
    [-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>
    [-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateParameterObject
    <System.Collections.Hashtable> -TemplateSpecId <System.String> [-WhatIfExcludeChangeType <System.String[]>]
[-WhatIfResultFormat {ResourceIdOnly |
    FullResourcePayloads}] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]

```

[-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>
[-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateParameterUri
<System.String> -TemplateUri <System.String> [-WhatIfExcludeChangeType <System.String[]>] [-WhatIfResultFormat
{ResourceIdOnly | FullResourcePayloads}] [-Confirm]
[-WhatIf] [<CommonParameters>]

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>
[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]
[-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>
[-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateParameterUri
<System.String> -TemplateSpecId <System.String> [-WhatIfExcludeChangeType <System.String[]>
[-WhatIfResultFormat {ResourceIdOnly | FullResourcePayloads}] [-Confirm]
[-WhatIf] [<CommonParameters>]

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>
[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]
[-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString
<System.String>] -ResourceGroupName <System.String>
[-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag
<System.Collections.Hashtable>] -TemplateSpecId
<System.String> [-WhatIfExcludeChangeType <System.String[]>] [-WhatIfResultFormat {ResourceIdOnly |
FullResourcePayloads}] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzResourceGroupDeployment [-AsJob] [-AuxTenant <System.String[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>
[-DeploymentDebugLogLevel {RequestContent | ResponseContent | All | None}]
[-Force] [-Mode {Incremental | Complete}] [-Name <System.String>] [-Pre] [-ProceedIfNoChange] [-QueryString

<System.String>] -ResourceGroupName <System.String>

[-RollBackDeploymentName <System.String>] [-RollbackToLastDeployment] [-SkipTemplateParameterPrompt] [-Tag <System.Collections.Hashtable>] -TemplateUri

<System.String> [-WhatIfExcludeChangeType <System.String[]>] [-WhatIfResultFormat {ResourceIdOnly | FullResourcePayloads}] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzResourceGroupDeployment cmdlet adds a deployment to an existing resource group. This includes the resources that the deployment requires. An Azure resource

is a user-managed Azure entity, such as a database server, database, website, virtual machine, or Storage account. An Azure resource group is a collection of Azure

resources that are deployed as a unit, such as the website, database server, and databases that are required for a financial website. A resource group deployment uses

a template to add resources to a resource group and publishes them so that they are available in Azure. To add resources to a resource group without using a template,

use the New-AzResource cmdlet. To add a resource group deployment, specify the name of an existing resource group and a resource group template. A resource group

template is a JSON string that represents a resource group for a complex cloud-based service, such as a web portal. The template includes parameter placeholders for

required resources and configurable property values, such as names and sizes. You can find many templates in the Azure template gallery or you can create your own

templates. To use a custom template to create a resource group, specify the TemplateFile parameter or TemplateUri parameter. Each template has parameters for

configurable properties. To specify values for the template parameters, specify the TemplateParameterFile parameter or the TemplateParameterObject parameter.

Alternatively, you can use the template parameters that are dynamically added to the command when you specify a template. To use dynamic parameters, type them at the

command prompt, or type a minus sign (-) to indicate a parameter and use the Tab key to cycle through available parameters. Template parameter values that you enter

at the command prompt take precedence over values in a template parameter object or file.

PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AuxTenant <System.String[]>

Aux tenant ids for cross tenant deployments

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

-DeploymentDebugLogLevel <System.String>

Specifies a debug log level. The acceptable values for this parameter are: - RequestContent

- ResponseContent

- All

- None

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

-Force <System.Management.Automation.SwitchParameter>

Forces the command to run without asking for user confirmation.

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

-Mode <Microsoft.Azure.Management.Resources.Models.DeploymentMode>

Specifies the deployment mode. The acceptable values for this parameter are: - Complete: In complete mode, Resource Manager deletes resources that exist in the resource group but are not specified in the template. - Incremental: In incremental mode, Resource Manager leaves unchanged resources that exist in the resource group but are not specified in the template.

Required? false
Position? named
Default value Incremental
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-Name <System.String>

The name of the deployment it's going to create. If not specified, defaults to the template file name when a template file is provided; defaults to the current time when a template object is provided, e.g. "20131223140835".

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

-Pre <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet considers pre-release API versions when it automatically determines which version to use.

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

-ProceedIfNoChange <System.Management.Automation.SwitchParameter>

Do not ask for confirmation if there is no changes in the What-If result. Applicable when the -Confirm switch is set.

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

-ResourceGroupName <System.String>

Specifies the name of the resource group to deploy.

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

-RollBackDeploymentName <System.String>

Rollback to the successful deployment with the given name in the resource group, should not be used if

-RollbackToLastDeployment is used.

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

-RollbackToLastDeployment <System.Management.Automation.SwitchParameter>

Rollback to the last successful deployment in the resource group, should not be present if **-RollBackDeploymentName** is used.

Required? false
Position? named
Default value False
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

-Tag <System.Collections.Hashtable>

The tags to put on the deployment.

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

-TemplateFile <System.String>

Specifies the full path of a custom 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>

Specifies the full path of a JSON file that contains the names and values of the template parameters. If a template has parameters, you must specify the parameter

values with the TemplateParameterFile parameter or the TemplateParameterObject parameter. Template parameters are dynamically added to the command when you

specify a template. To use the dynamic parameters, type a minus sign (-) to indicate a parameter name and then use the Tab key to cycle through the available parameters.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TemplateParameterObject <System.Collections.Hashtable>

Specifies a hash table of template parameter names and values. For help with hash tables in Windows PowerShell, type ``Get-Help about_Hash_Tables``. If a template

has parameters, you must specify parameter values. Template parameters are dynamically added to the command when you specify a template.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TemplateParameterUri <System.String>

Specifies the URI of a template parameters file. When using TemplateParameterUri any dynamic parameters that you use are disregarded. To use dynamic parameters you must instead use the TemplateParameterFile parameter

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>

Specifies the URI of a custom template file.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-WhatIfExcludeChangeType <System.String[]>

Comma-separated resource change types to be excluded from What-If results. Applicable when the -WhatIf or -Confirm switch is set.

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

-WhatIfResultFormat <Microsoft.Azure.Management.Resources.Models.WhatIfResultFormat>

The What-If result format.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
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>).

INPUTS

System.String

Microsoft.Azure.Management.ResourceManager.Models.DeploymentMode

System.Collections.Hashtable

OUTPUTS

Microsoft.Azure.Commands.ResourceManager.Cmdlets.SdkModels.PSResourceGroupDeployment

NOTES

Example 1: Use a custom template and parameter file to create a deployment

```
New-AzResourceGroupDeployment -ResourceGroupName "ContosoEngineering" -TemplateFile
"D:\Azure\Templates\EngineeringSite.json" -TemplateParameterFile
"D:\Azure\Templates\EngSiteParms.json" -Tag @{"key1"="value1"; "key2"="value2";}
```

This command creates a new deployment by using a custom template and a template file on disk, with defined tags parameter. The command uses the TemplateFile parameter to specify the template and the TemplateParameterFile parameter to specify a file that contains parameters and parameter values.

Example 2: Use a custom template object and parameter file to create a deployment

```
$TemplateFileText = [System.IO.File]::ReadAllText("D:\Azure\Templates\EngineeringSite.json")
$TemplateObject = ConvertFrom-Json $TemplateFileText -AsHashtable
New-AzResourceGroupDeployment -ResourceGroupName "ContosoEngineering" -TemplateObject $TemplateObject
-TemplateParameterFile "D:\Azure\Templates\EngSiteParams.json"
```

This command creates a new deployment by using a custom and a template file on disk that has been converted to an in-memory hashtable. The first two commands read the text for the template file on disk and convert it to an in-memory hashtable. The last command uses the TemplateObject parameter to specify the hashtable and the TemplateParameterFile parameter to specify a file that contains parameters and parameter values.

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

```
New-AzResourceGroupDeployment -DeploymentDebugLogLevel RequestContent -Name mynewstorageaccount
-ResourceGroupName 'ContosoEngineering' -TemplateFile
'D:\Azure\Templates\EngineeringSite.json' -TemplateParameterObject <Hashtable>
```

Example 4: Deploy a template stored in a non public storage account using a uri and SAS token

```
New-AzResourceGroupDeployment -ResourceGroupName "RGName" -TemplateUri "https://example.com/example.json"
-QueryString "foo"
```

This command creates a new deployment using the template in TemplateUri which is not public and requires a token parameter to access which would be provided using the

QueryString parameter. Running this command effectively accesses the template using the url `https://example.com/example.json?foo`. This can be used if you want to use a template in a storage account by providing the SAS token as the QueryString

--- Example 5: Use a .bicepparam file to create a deployment ---

```
New-AzResourceGroupDeployment -ResourceGroupName "RGName" -TemplateParameterFile
"./parameters.bicepparam"
```

This command creates a new deployment at the resource group scope by using a .bicepparam file on disk. The command uses the TemplateParameterFile parameter to specify a .bicepparam file.

RELATED LINKS

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

Get-AzResourceGroupDeployment

New-AzResource

New-AzResourceGroup

Remove-AzResourceGroupDeployment

Stop-AzResourceGroupDeployment

Test-AzResourceGroupDeployment

