



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

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

NAME

New-AzRmStorageContainer

SYNOPSIS

Creates a Storage blob container

SYNTAX

```
New-AzRmStorageContainer [-ResourceGroupName] <System.String> [-StorageAccountName] <System.String>
-DefaultEncryptionScope <System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableImmutableStorageWithVersioning] [-Metadata
    <System.Collections.Hashtable>] -Name <System.String> -PreventEncryptionScopeOverride <System.Boolean>
[-PublicAccess {Container | Blob | None}] [-RootSquash
    {NoRootSquash | RootSquash | AllSquash}] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzRmStorageContainer -DefaultEncryptionScope <System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableImmutableStorageWithVersioning] [-Metadata
    <System.Collections.Hashtable>] -Name <System.String> -PreventEncryptionScopeOverride <System.Boolean>
```

```

[-PublicAccess {Container | Blob | None}] [-RootSquash
                                {NoRootSquash      |      RootSquash      |      AllSquash}}] -StorageAccount
<Microsoft.Azure.Commands.Management.Storage.Models.PSStorageAccount> [-Confirm] [-WhatIf]
    [<CommonParameters>]

New-AzRmStorageContainer [-ResourceGroupName] <System.String> [-StorageAccountName] <System.String>
[-DefaultProfile
                                <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableImmutableStorageWithVersioning] [-Metadata
    <System.Collections.Hashtable>] -Name <System.String> [-PublicAccess {Container | Blob | None}] [-RootSquash
{NoRootSquash | RootSquash | AllSquash}}] [-Confirm]
    [-WhatIf] [<CommonParameters>]

                                New-AzRmStorageContainer                                [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
    [-EnableImmutableStorageWithVersioning] [-Metadata <System.Collections.Hashtable>] -Name <System.String>
[-PublicAccess {Container | Blob | None}] [-RootSquash
                                {NoRootSquash      |      RootSquash      |      AllSquash}}] -StorageAccount
<Microsoft.Azure.Commands.Management.Storage.Models.PSStorageAccount> [-Confirm] [-WhatIf]
    [<CommonParameters>]

```

DESCRIPTION

The New-AzRmStorageContainer cmdlet creates a Storage blob container

PARAMETERS

-DefaultEncryptionScope <System.String>

Default the container to use specified encryption scope for all writes.

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

-EnableImmutableStorageWithVersioning <System.Management.Automation.SwitchParameter>

Enable immutable Storage with versioning at the container level.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Metadata <System.Collections.Hashtable>

Container Metadata

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

Container Name

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

-PreventEncryptionScopeOverride <System.Boolean>

Block override of encryption scope from the container default.

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

-PublicAccess <Microsoft.Azure.Commands.Management.Storage.Models.PSPublicAccess>

Container PublicAccess

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

-ResourceGroupName <System.String>

Resource Group Name.

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

-RootSquash <System.String>

Sets reduction of the access rights for the remote superuser. Possible values include: 'NoRootSquash', 'RootSquash', 'AllSquash'

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

-StorageAccount <Microsoft.Azure.Commands.Management.Storage.Models.PSStorageAccount>

Storage account object

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

-StorageAccountName <System.String>

Storage Account Name.

Required?	true
Position?	1
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>).

INPUTS

System.String

Microsoft.Azure.Commands.Management.Storage.Models.PSStorageAccount

OUTPUTS

Microsoft.Azure.Commands.Management.Storage.Models.PSContainer

Example 1: Create a Storage blob container with Storage account name and container name, with metadata

```
New-AzRmStorageContainer -ResourceGroupName "myResourceGroup" -AccountName "myStorageAccount"
-ContainerName "myContainer" -Metadata
@{tag0="value0";tag1="value1";tag2="value2"}
```

This command creates a Storage blob container with Storage account name and container name, with metadata.

Example 2: Create a Storage blob container with Storage account object and container name, with public access as Blob

```
$accountObject = Get-AzStorageAccount -ResourceGroupName "myResourceGroup" -AccountName
"myStorageAccount"
New-AzRmStorageContainer -StorageAccount $accountObject -ContainerName "myContainer" -PublicAccess Blob
```

This command creates a Storage blob container with Storage account object and container name, with public access as Blob.

Example 3: Create a storage container with EncryptionScope setting

```
$c = New-AzRmStorageContainer -ResourceGroupName "myResourceGroup" -AccountName "mystorageaccount"
-Name testcontainer -DefaultEncryptionScope "testscope"
-PreventEncryptionScopeOverride $true

$c
```

ResourceGroupName: myResourceGroup, StorageAccountName: mystorageaccount

Name	PublicAccess	LastModified	HasLegalHold	HasImmutabilityPolicy
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testcontainer		False	False	
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\$c.DefaultEncryptionScope

testscope

\$c.DenyEncryptionScopeOverride

True

This command creates a storage container with a default encryptionScope, and blocks override of encryption scope from the container default. Then show the related container properties.

- Example 4: Create an Azure storage container with RootSquash -

```
$container = New-AzRmStorageContainer -ResourceGroupName "myersourcegroup" -AccountName "mystorageaccount" -Name "mycontainer" -RootSquash AllSquash
```

\$container.EnableNfsV3AllSquash

True

\$container.EnableNfsV3RootSquash

False

This command creates a storage container, with RootSquash property set as AllSquash. RootSquash only works on a storage account that enabled NfsV3.

Example 5: Create a storage container and enable immutable Storage with versioning

```
$c = New-AzRmStorageContainer -ResourceGroupName "myResourceGroup" -AccountName "mystorageaccount"
```


-Name testcontainer -EnableImmutableStorageWithVersioning

\$c

ResourceGroupName: myResourceGroup, StorageAccountName: mystorageaccount

Name	PublicAccess	LastModified	HasLegalHold	HasImmutabilityPolicy	Deleted	VersionId
ImmutableStorageWithVersioning						

testcontainer	None	2021-07-19 08:26:19Z	False	False	False	True

This command creates a storage container and enable immutable Storage with versioning. The command only works when the Storage account has already enabled blob versioning.

RELATED LINKS

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