



Windows PowerShell Get-Help on Cmdlet 'Set-AzRmStorageContainerImmutabilityPolicy'

PS:\>Get-HELP Set-AzRmStorageContainerImmutabilityPolicy -Full

NAME

Set-AzRmStorageContainerImmutabilityPolicy

SYNOPSIS

Creates or updates ImmutabilityPolicy of a Storage blob containers

SYNTAX

```
Set-AzRmStorageContainerImmutabilityPolicy [-ResourceGroupName] <System.String> [-StorageAccountName]
<System.String> [-AllowProtectedAppendWrite <System.Boolean>]
[-AllowProtectedAppendWriteAll <System.Boolean>] -ContainerName <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Etag
<System.String>] [-ImmutabilityPeriod <System.Int32>] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

```
Set-AzRmStorageContainerImmutabilityPolicy [-AllowProtectedAppendWrite <System.Boolean>]
[-AllowProtectedAppendWriteAll <System.Boolean>] -ContainerName
<System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Etag <System.String>]
```

[-ImmutabilityPeriod <System.Int32>] -StorageAccount
<Microsoft.Azure.Commands.Management.Storage.Models.PSStorageAccount> [-Confirm] [-WhatIf]
[<CommonParameters>]

Set-AzRmStorageContainerImmutabilityPolicy [-AllowProtectedAppendWrite <System.Boolean>]
[-AllowProtectedAppendWriteAll <System.Boolean>] -Container
<Microsoft.Azure.Commands.Management.Storage.Models.PSContainer> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Etag
<System.String>] [-ImmutabilityPeriod <System.Int32>] [-Confirm]
[-WhatIf] [<CommonParameters>]

Set-AzRmStorageContainerImmutabilityPolicy [-InputObject]
<Microsoft.Azure.Commands.Management.Storage.Models.PSImmutabilityPolicy> [-AllowProtectedAppendWrite
<System.Boolean>] [-AllowProtectedAppendWriteAll <System.Boolean>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ImmutabilityPeriod
<System.Int32>] [-Confirm] [-WhatIf]
[<CommonParameters>]

Set-AzRmStorageContainerImmutabilityPolicy -Container
<Microsoft.Azure.Commands.Management.Storage.Models.PSContainer> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Etag
<System.String> -ExtendPolicy -ImmutabilityPeriod <System.Int32>
[-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzRmStorageContainerImmutabilityPolicy [-ResourceGroupName] <System.String> [-StorageAccountName]
<System.String> -ContainerName <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Etag
<System.String> -ExtendPolicy -ImmutabilityPeriod <System.Int32>
[-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzRmStorageContainerImmutabilityPolicy -ContainerName <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Etag
<System.String> -ExtendPolicy -ImmutabilityPeriod <System.Int32>

```

-StorageAccount <Microsoft.Azure.Commands.Management.Storage.Models.PSStorageAccount> [-Confirm] [-WhatIf]
[<CommonParameters>]

Set-AzRmStorageContainerImmutabilityPolicy [-InputObject]
<Microsoft.Azure.Commands.Management.Storage.Models.PSImmutabilityPolicy> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ExtendPolicy
-ImmutabilityPeriod <System.Int32> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

DESCRIPTION

The Set-AzRmStorageContainerImmutabilityPolicy cmdlet creates or updates ImmutabilityPolicy of a Storage blob containers

PARAMETERS

-AllowProtectedAppendWrite <System.Boolean>

This property can only be changed for unlocked time-based retention policies. With this property enabled, new blocks can be written to an append blob while

maintaining immutability protection and compliance. Only new blocks can be added and any existing blocks cannot be modified or deleted.

'-AllowProtectedAppendWrites' and '-AllowProtectedAppendWritesAll' are mutually exclusive.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-AllowProtectedAppendWriteAll <System.Boolean>

This property can only be changed for unlocked policies. When enabled, new blocks can be written to both 'Appended and Block Blobs' while maintaining immutability

protection and compliance. Only new blocks can be added and any existing blocks cannot be modified or deleted. This

property cannot be changed with

ExtendImmutabilityPolicy API. '-AllowProtectedAppendWrites' and '-AllowProtectedAppendWritesAll' are mutually exclusive.

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

-Container <Microsoft.Azure.Commands.Management.Storage.Models.PSContainer>

Storage container object

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

-ContainerName <System.String>

Container Name

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

-Etag <System.String>

Immutability policy etag. If -ExtendPolicy is not specified, Etag is optional; else Etag is required.

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

-ExtendPolicy <System.Management.Automation.SwitchParameter>

Indicate ExtendPolicy to Extend an existing ImmutabilityPolicy. After ImmutabilityPolicy is locked, it can only be extend.

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

-ImmutabilityPeriod <System.Int32>

Immutability period since creation in days.

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

-InputObject <Microsoft.Azure.Commands.Management.Storage.Models.PSImmutabilityPolicy>

Container Name

Required? true
Position? 0
Default value None
Accept pipeline input? True (ByPropertyName, ByValue)
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

-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.PSSStorageAccount

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

Microsoft.Azure.Commands.Management.Storage.Models.PSImmutabilityPolicy

OUTPUTS

Microsoft.Azure.Commands.Management.Storage.Models.PSImmutabilityPolicy

NOTES

Example 1: Create or update ImmutabilityPolicy of a Storage blob container with Storage account name and container name

```
Set-AzRmStorageContainerImmutabilityPolicy -ResourceGroupName "myResourceGroup" -AccountName  
"myStorageAccount" -ContainerName "myContainer" -ImmutabilityPeriod 10
```

This command creates or updates ImmutabilityPolicy of a Storage blob container with Storage account name and container name.

Example 2: Extend ImmutabilityPolicy of a Storage blob container, with Storage account object

```
$accountObject = Get-AzStorageAccount -ResourceGroupName "myResourceGroup" -AccountName  
"myStorageAccount"  
$policy = Get-AzRmStorageContainerImmutabilityPolicy -StorageAccount $accountObject -ContainerName  
"myContainer"
```



```
Set-AzRmStorageContainerImmutabilityPolicy -StorageAccount $accountObject -ContainerName "myContainer"
-ImmutabilityPeriod 20 -Etag $policy.Etag -ExtendPolicy
```

This command extend ImmutabilityPolicy of a Storage blob container, with Storage account object. Extend ImmutabilityPolicy can only run after ImmutabilityPolicy is locked.

Example 3: Update ImmutabilityPolicy of a Storage blob container

```
$containerObject = Get-AzRmStorageContainer -ResourceGroupName "myResourceGroup" -AccountName
"myStorageAccount" -Name "myContainer"

$policy = Set-AzRmStorageContainerImmutabilityPolicy -Container $containerObject -ImmutabilityPeriod 12

$policy = Set-AzRmStorageContainerImmutabilityPolicy -Container $containerObject -ImmutabilityPeriod 9 -Etag
$policy.Etag

$policy = Set-AzRmStorageContainerImmutabilityPolicy -Container $containerObject -AllowProtectedAppendWrite $true

$policy = Set-AzRmStorageContainerImmutabilityPolicy -Container $containerObject -AllowProtectedAppendWrite $false
-AllowProtectedAppendWriteAll $true
```

This command updates ImmutabilityPolicy of a Storage blob container with Storage container object 3 times: First to ImmutabilityPeriod 12 days without etag, then to

ImmutabilityPeriod 9 days with etag, then enabled AllowProtectedAppendWrite, finally enabled AllowProtectedAppendWriteAll.

Example 4: Extend ImmutabilityPolicy of a Storage blob container, with ImmutabilityPolicy object

```
Get-AzRmStorageContainerImmutabilityPolicy -ResourceGroupName "myResourceGroup" -AccountName
"myStorageAccount" -ContainerName "myContainer" |

Set-AzRmStorageContainerImmutabilityPolicy -ImmutabilityPeriod 15 -ExtendPolicy
```

This command extend ImmutabilityPolicy of a Storage blob container, with ImmutabilityPolicy object. Extend ImmutabilityPolicy can only run after ImmutabilityPolicy is

locked.

RELATED LINKS

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