



Windows PowerShell Get-Help on Cmdlet 'Restore-AzStorageBlobRange'

PS:\>Get-HELP Restore-AzStorageBlobRange -Full

NAME

Restore-AzStorageBlobRange

SYNOPSIS

Restores a Storage account for specific blob ranges.

SYNTAX

```
Restore-AzStorageBlobRange [-ResourceGroupName] <System.String> [-StorageAccountName] <System.String>
[-AsJob] [-BlobRestoreRange
<Microsoft.Azure.Commands.Management.Storage.Models.PSBlobRestoreRange[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -TimeToRestore
<System.DateTime> [-WaitForComplete] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
Restore-AzStorageBlobRange [-ResourceId] <System.String> [-AsJob] [-BlobRestoreRange
<Microsoft.Azure.Commands.Management.Storage.Models.PSBlobRestoreRange[]>]
[-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-TimeToRestore <System.DateTime> [-WaitForComplete]
[-Confirm] [-WhatIf] [<CommonParameters>]
```

Restore-AzStorageBlobRange [-AsJob] [-BlobRestoreRange
 <Microsoft.Azure.Commands.Management.Storage.Models.PSBlobRestoreRange[]>] [-DefaultProfile
 <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -StorageAccount
 <Microsoft.Azure.Commands.Management.Storage.Models.PSStorageAccount> -TimeToRestore <System.DateTime>
 [-WaitForComplete] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The Restore-AzStorageBlobRange cmdlet restores blobs in a Storage account for specific blob ranges. The start range is included, and the end range is excluded in blob restore.

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

-BlobRestoreRange <Microsoft.Azure.Commands.Management.Storage.Models.PSBlobRestoreRange[]>

The blob range to Restore. If not specify this parameter, will restore all blobs.

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

-ResourceGroupName <System.String>

Resource Group Name.

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceId <System.String>

Storage Account Resource Id.

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 (ByValue)

Accept wildcard characters? false

-StorageAccountName <System.String>

Storage Account Name.

Required? true

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TimeToRestore <System.DateTime>

The Time to Restore Blob.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-WaitForComplete <System.Management.Automation.SwitchParameter>

Wait for Restore task complete

Required? false

Position? named

Default value False

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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

System.String

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

OUTPUTS

Microsoft.Azure.Commands.Management.Storage.Models.PSBlobRestoreStatus

NOTES

```
Example 1: Start restores blobs in a Storage account with specific blob ranges

$range1 = New-AzStorageBlobRangeToRestore -StartRange container1/blob1 -EndRange container2/blob2
$range2 = New-AzStorageBlobRangeToRestore -StartRange container3/blob3 -EndRange container4/blob4

Restore-AzStorageBlobRange -ResourceGroupName "myresourcegoup" -StorageAccountName "mystorageaccount"
-TimeToRestore (Get-Date).AddDays(-1) -BlobRestoreRange
$range1,$range2
```

Status	RestoreId	FailureReason	Parameters.TimeToRestore	Parameters.BlobRanges
-----	-----	-----	-----	-----
InProgress	6ca55a8b-fca0-461a-8e4c-13927a9707e6		2020-02-10T13:58:44.6841810Z	["container1/blob1" -> "container2/blob2",...]

```
(Get-AzStorageAccount -ResourceGroupName $rgname -StorageAccountName $accountName
-IncludeBlobRestoreStatus).BlobRestoreStatus
```

Status	RestoreId	FailureReason	Parameters.TimeToRestore	Parameters.BlobRanges
-----	-----	-----	-----	-----
Complete	6ca55a8b-fca0-461a-8e4c-13927a9707e6		2020-02-10T13:58:44.6841810Z	["container1/blob1" -> "container2/blob2",...]

This command first creates 2 blob ranges, then start restores blobs in a Storage account with the 2 blob ranges from 1 day ago. User can use Get-AzStorageAccount to trace the restore status later.

```
$job = Restore-AzStorageBlobRange -ResourceGroupName "myresourcegoup" -StorageAccountName
"mystorageaccount" -TimeToRestore (Get-Date).AddMinutes(-30)
-WaitForComplete -asjob
```

```
$job | Wait-Job
```

```
$job.Output
```

Status	RestoreId	FailureReason	Parameters.TimeToRestore	Parameters.BlobRanges
Complete	0387953a-bbe6-4602-818d-e661581ee44b		2020-08-28T07:11:33.9843100Z	["" -> ""]

This command restores all blobs in a Storage account from 30 minutes ago, and wait for the restore complete. Since restore blobs might take a long time, run it in the backend with -Asjob parameter, and then wait for the job complete and show the result.

Example 3: Restores blobs by input blob ranges directly, and wait for complete

```
Restore-AzStorageBlobRange -ResourceGroupName "myresourcegoup" -StorageAccountName "mystorageaccount"
-WaitForComplete `
-TimeToRestore (Get-Date).AddSeconds(-1) `
-BlobRestoreRange @{StartRange="aaa/abc";EndRange="bbb/abc"},@{StartRange="bbb/acc";EndRange=""}
```

WARNING: Restore blob rang with Id 'd66d1d02-6e48-47ef-b516-0155dd8319c6' started. Restore blob ranges time to complete is dependent on the size of the restore.

Status	RestoreId	FailureReason	Parameters.TimeToRestore	Parameters.BlobRanges
Complete	d66d1d02-6e48-47ef-b516-0155dd8319c6		2020-02-10T14:17:46.8189116Z	["aaa/abc" -> "bbb/abc",...]

This command restores blobs in a Storage account from 1 day ago, by input 2 blob ranges directly to the Restore-AzStorageBlobRange cmdlet. This command will wait for the restore complete.

RELATED LINKS

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