



Windows PowerShell Get-Help on Cmdlet 'Invoke-AzStorageSyncChangeDetection'

PS:\>Get-HELP Invoke-AzStorageSyncChangeDetection -Full

NAME

Invoke-AzStorageSyncChangeDetection

SYNOPSIS

This command can be used to manually initiate the detection of namespace changes. It can be targeted to the entire share, subfolder or set of files. When running the

command with the -DirectoryPath or -Path parameters, a maximum of 10,000 items can be detected. If the scope of changes is known to you, limit the execution of this

command to parts of the namespace, so change detection can finish quickly and within the 10,000 item limit. Alternatively, you can avoid the item limit by running the

cmdlet without these parameters, invoking share-level change detection.

> [!Note]

> If run with -DirectoryPath or -Path parameters, the command will not detect the following changes in the Azure file share: > - Files that are deleted. > - Files

that are moved out of the share. > - Files that are deleted and created with the same name.

> > If share-level change detection is invoked, all of these changes will be detected. These changes will also be detected when the scheduled change detection job

etection)runs.

SYNTAX

```
Invoke-AzStorageSyncChangeDetection [-ResourceGroupName] <System.String> [-StorageSyncServiceName]
<System.String> [-SyncGroupName] <System.String> [-AsJob]
[-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-DirectoryPath <System.String> -Name <System.String>
[-PassThru] [-Recursive] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Invoke-AzStorageSyncChangeDetection [-ResourceId] <System.String> [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -DirectoryPath
<System.String> [-PassThru] [-Recursive] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

```
Invoke-AzStorageSyncChangeDetection [-InputObject]
<Microsoft.Azure.Commands.StorageSync.Models.PSCloudEndpoint> [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -DirectoryPath
<System.String> [-PassThru] [-Recursive] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

```
Invoke-AzStorageSyncChangeDetection [-InputObject]
<Microsoft.Azure.Commands.StorageSync.Models.PSCloudEndpoint> [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-PassThru] -Path
<System.String[]> [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
Invoke-AzStorageSyncChangeDetection [-InputObject]
<Microsoft.Azure.Commands.StorageSync.Models.PSCloudEndpoint> [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-PassThru]
[-Confirm] [-WhatIf] [<CommonParameters>]
```

```
<System.String> [-SyncGroupName] <System.String> [-AsJob]
    [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-Name <System.String> [-PassThru] [-Confirm] [-WhatIf]
    [<CommonParameters>]
```

```
Invoke-AzStorageSyncChangeDetection [-ResourceGroupName] <System.String> [-StorageSyncServiceName]
<System.String> [-SyncGroupName] <System.String> [-AsJob]
    [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-Name <System.String> [-PassThru] -Path <System.String[]>
    [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Invoke-AzStorageSyncChangeDetection [-ResourceId] <System.String> [-AsJob] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-PassThru] -Path
<System.String[]> [-Confirm] [-WhatIf]
    [<CommonParameters>]
```

```
Invoke-AzStorageSyncChangeDetection [-ResourceId] <System.String> [-AsJob] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-PassThru]
[-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

Periodically, Azure File Sync checks the namespace inside a syncing Azure file share for changes that came into the file share by other means than sync. The goal is

to identify these changes and ultimately sync them to connected servers. This command can be used to manually initiate the detection of namespaces changes. It can be

targeted to the entire share, subfolder or set of files. If the scope of changes is known to you, limit the execution of this command to parts of the namespace, so

individual item change detection can finish quickly and within the 10,000 items limit. Otherwise, run the command without the -DirectoryPath or -Path parameters to

invoke full share-level change detection. The Invoke-AzStorageSyncChangeDetection cmdlet will cancel a cloud change enumeration job that is in progress. To avoid

cancelling a currently running job, go to the Cloud Endpoint properties in the portal to check if a job is currently running.

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

-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

-DirectoryPath <System.String>

Directory where change detection will be performed.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-InputObject <Microsoft.Azure.Commands.StorageSync.Models.PSCloudEndpoint>

CloudEndpoint Object, normally passed through the parameter.

Required? true

Position? 0
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-Name <System.String>

Name of the CloudEndpoint. The name is a GUID, not the friendly name that's displayed in the portal. To get the CloudEndpointName, use the

Get-AzStorageSyncCloudEndpoint cmdlet.

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

-PassThru <System.Management.Automation.SwitchParameter>

In normal execution, this cmdlet returns no value on success. If you provide the PassThru parameter, then the cmdlet will write a value to the pipeline after

successful execution.

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

-Path <System.String[]>

Path where change detection will be performed.

Required? true
Position? named
Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Recursive <System.Management.Automation.SwitchParameter>

Indication whether directory change detection is recursive.

Required? false

Position? named

Default value False

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>

CloudEndpoint Resource Id

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-StorageSyncServiceName <System.String>

Name of theStorageSyncService.

Required? true
Position? 1
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-SyncGroupName <System.String>
Name of the SyncGroup.

Required? true
Position? 2
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) (<https://go.microsoft.com/fwlink/?LinkID=113216>).

INPUTS

System.String

Microsoft.Azure.Commands.StorageSync.Models.PSServerEndpoint

OUTPUTS

System.Void

NOTES

----- Example 1 -----

```
Invoke-AzStorageSyncChangeDetection -ResourceGroupName "myResourceGroup" -StorageSyncServiceName  
"myStorageSyncServiceName" -SyncGroupName "mySyncGroupName"  
-CloudEndpointName "b38fc242-8100-4807-89d0-399cef5863bf" -Path "Data","Reporting\Templates"
```

In this example, change detection is run in the "Data" and "Reporting\Templates" directories of a syncing Azure file share. All paths are relative to the root of the Azure file share namespace.

----- Example 2 -----

```
Invoke-AzStorageSyncChangeDetection -ResourceGroupName "myResourceGroup" -StorageSyncServiceName
"myStorageSyncServiceName" -SyncGroupName "mySyncGroupName"
                                -CloudEndpointName "b38fc242-8100-4807-89d0-399cef5863bf" -Path
>Data\results.xlsx","Reporting\Templates\generated.pptx"
```

In this example, change detection is run for a set of files that are known to the command caller to have changed. The goal is to have Azure file sync detect and sync these changes as well.

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

```
Invoke-AzStorageSyncChangeDetection -ResourceGroupName "myResourceGroup" -StorageSyncServiceName
"myStorageSyncServiceName" -SyncGroupName "mySyncGroupName"
-CloudEndpointName "b38fc242-8100-4807-89d0-399cef5863bf" -DirectoryPath "Examples" -Recursive
```

In this example, change detection is run for the "Examples" directory and will recursively detect changes in subdirectories. Keep in mind the cmdlet will fail if the path contains more than 10,000 items. If the path contains more than 10,000 items, run the command on sub-parts of the namespace.

----- Example 4 -----

```
Invoke-AzStorageSyncChangeDetection -ResourceGroupName "myResourceGroup" -StorageSyncServiceName
"myStorageSyncServiceName" -SyncGroupName "mySyncGroupName"
-CloudEndpointName "b38fc242-8100-4807-89d0-399cef5863bf"
```

In this example, neither -DirectoryPath nor -Path has been passed to the command. This will invoke change detection on

the entire file share.

RELATED LINKS

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