



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

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

NAME

Restore-AzSynapseSqlPool

SYNOPSIS

Restores a Synapse Analytics SQL pool.

SYNTAX

```

                                Restore-AzSynapseSqlPool                [-AsJob]                [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -DeletionDate
                                <System.DateTime> -FromDroppedSqlPool -Name <System.String> [-ResourceGroupName <System.String>]
-ResourceId <System.String> [-StorageAccountType {GRS | LRS}] [-Tag
                                <System.Collections.Hashtable>] -WorkspaceName <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

                                Restore-AzSynapseSqlPool                [-AsJob]                [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -DeletionDate
                                <System.DateTime> -FromDroppedSqlPool -Name <System.String> -ResourceId <System.String>
[-StorageAccountType {GRS | LRS}] [-Tag <System.Collections.Hashtable>]
                                -WorkspaceObject <Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

Restore-AzSynapseSqlPool [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -FromBackup -Name
<System.String> [-ResourceGroupName <System.String>] -ResourceId <System.String> [-StorageAccountType {GRS |
LRS}] [-Tag <System.Collections.Hashtable>]
-WorkspaceName <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

Restore-AzSynapseSqlPool [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -FromBackup -Name
<System.String> -ResourceId <System.String> [-StorageAccountType {GRS | LRS}] [-Tag
<System.Collections.Hashtable>] -WorkspaceObject
<Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace> [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

Restore-AzSynapseSqlPool [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -FromRestorePoint
-Name
<System.String> -PerformanceLevel <System.String> [-ResourceGroupName <System.String>] -ResourceId
<System.String> -RestorePoint <System.DateTime>
[-StorageAccountType {GRS | LRS}] [-Tag <System.Collections.Hashtable>] -WorkspaceName <System.String>
[-Confirm] [-WhatIf] [<CommonParameters>]

```

```

Restore-AzSynapseSqlPool [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -FromRestorePoint
-Name
<System.String> -PerformanceLevel <System.String> -ResourceId <System.String> -RestorePoint <System.DateTime>
[-StorageAccountType {GRS | LRS}] [-Tag
<System.Collections.Hashtable>] -WorkspaceObject
<Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace> [-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The Restore-AzSynapseSqlPool cmdlet restores an Azure Synapse Analytics SQL pool from a geo-redundant backup, a backup of a deleted SQL pool or a restore point of any

SQL pool. The restored SQL pool is created as a new SQL pool.

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

-DeletionDate <System.DateTime>

The deletion date of the Azure Synapse SQL Database to retrieve backups for, with millisecond precision (e.g. 2016-02-23T00:21:22.847Z)

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-FromBackup <System.Management.Automation.SwitchParameter>

Indicates to restore from the most recent backup of any SQL pool in this subscription.

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

-FromDroppedSqlPool <System.Management.Automation.SwitchParameter>

Indicates to leverage a restore point from any SQL pool in this subscription to recover or copy from a previous state.

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

-FromRestorePoint <System.Management.Automation.SwitchParameter>

Indicates to leverage a restore point from any SQL pool in this subscription to recover or copy from a previous state.

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

-Name <System.String>

Name of Synapse SQL pool.

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

Accept wildcard characters? false

-PerformanceLevel <System.String>

The SQL Service tier and performance level to assign to the SQL pool. For example, DW2000c.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

Resource group name.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceId <System.String>

The resource ID of the database to restore.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RestorePoint <System.DateTime>

Snapshot time to restore.

Required? true

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

-StorageAccountType <System.String>

The storage account type used to store backups for the sql pool. Possible values include: 'GRS', 'LRS'.

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

-Tag <System.Collections.Hashtable>

A string,string dictionary of tags associated with the resource.

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

-WorkspaceName <System.String>

Name of Synapse workspace.

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

-WorkspaceObject <Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace>

workspace input object, usually passed through the pipeline.

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

OUTPUTS

Microsoft.Azure.Commands.Synapse.Models.PSSynapseSqlPool

NOTES

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

Transform Synapse SQL pool resource ID to SQL database ID because

currently the command only accepts the SQL database ID. For example:

```
/subscriptions/<SubscriptionId>/resourceGroups/<ResourceGroupName>/providers/Microsoft.Sql/servers/<WorkspaceName>/databases/<DatabaseName>
```

```
$pool = Get-AzSynapseSqlPool -ResourceGroupName ContosoResourceGroup -WorkspaceName ContosoWorkspace  
-Name ContosoSqlPool
```

```
$databaseId = $pool.Id -replace "Microsoft.Synapse", "Microsoft.Sql" `
```

```
-replace "workspaces", "servers" `
```

```
-replace "sqlPools", "databases"
```

Get the latest restore point

```
$restorePoint = $pool | Get-AzSynapseSqlPoolRestorePoint | Select-Object -Last 1
```

Restore to same workspace with source SQL pool

```
$restoredPool = Restore-AzSynapseSqlPool -FromRestorePoint -RestorePoint $restorePoint.RestorePointCreationDate  
-TargetSqlPoolName ContosoRestoredSqlPool
```



```
-ResourceGroupName $pool.ResourceGroupName -WorkspaceName $pool.WorkspaceName -ResourceId $databaseId  
-PerformanceLevel DW200c
```

This command creates an Azure Synapse Analytics SQL pool by leveraging a restore point from any existing SQL pool to recover or copy from a previous state.

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

```
# Transform Synapse SQL pool resource ID to SQL database ID because  
# currently the command only accepts the SQL database ID. For example:
```

```
/subscriptions/<SubscriptionId>/resourceGroups/<ResourceGroupName>/providers/Microsoft.Sql/servers/<WorkspaceName>/recoverabledatabases/<DatabaseName>
```

```
$pool = Get-AzSynapseSqlPoolGeoBackup -ResourceGroupName ContosoResourceGroup -WorkspaceName  
ContosoWorkspace -Name ContosoSqlPool  
$databaseId = $pool.Id -replace "Microsoft.Synapse", "Microsoft.Sql" `  
-replace "workspaces", "servers"
```

```
# Restore to same workspace with source SQL pool
```

```
$restoredPool = Restore-AzSynapseSqlPool -FromBackup -TargetSqlPoolName ContosoRestoredSqlPool  
-ResourceGroupName $pool.ResourceGroupName -WorkspaceName  
$pool.WorkspaceName -ResourceId $databaseId
```

This command creates an Azure Synapse Analytics SQL pool which restores from the SQL pool backup.

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

```
# Transform Synapse dropped SQL pool resource ID to SQL pool resource ID
```

```
$pool = Get-AzSynapseDroppedSqlPool -ResourceGroupName ContosoResourceGroup -WorkspaceName  
ContosoWorkspace -Name ContosoSqlPool  
$poolId = $pool.Id.Split(",")[0]
```

```
$poolId = $poolId -replace "restorableDroppedSqlPools", "sqlPools"
```

```
# Restore to same workspace with source SQL pool
```

```
    $restoredPool = Restore-AzSynapseSqlPool -FromDroppedSqlPool -DeletionDate $pool.DeletionDate  
-TargetSqlPoolName ContosoRestoredSqlPool -ResourceGroupName  
$pool.ResourceGroupName -WorkspaceName $pool.WorkspaceName -ResourceId $poolId
```

This command creates an Azure Synapse Analytics SQL pool which restores from the deleted SQL pool backup.

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

```
# Transform Synapse SQL pool resource ID to SQL database ID because
```

```
# currently the command only accepts the SQL database ID. For example:
```

```
/subscriptions/<SubscriptionId>/resourceGroups/<ResourceGroupName>/providers/Microsoft.Sql/servers/<WorkspaceName>/databases/<DatabaseName>
```

```
$pool = Get-AzSynapseSqlPool -ResourceGroupName ContosoResourceGroup -WorkspaceName ContosoWorkspace  
-Name ContosoSqlPool
```

```
$databaseId = $pool.Id -replace "Microsoft.Synapse", "Microsoft.Sql" `  
-replace "workspaces", "servers" `  
-replace "sqlPools", "databases"
```

```
# Get the latest restore point
```

```
$restorePoint = $pool | Get-AzSynapseSqlPoolRestorePoint | Select-Object -Last 1
```

```
# Restore to same workspace with source SQL pool
```

```
$restoredPool = Restore-AzSynapseSqlPool -FromRestorePoint -RestorePoint $restorePoint.RestorePointCreationDate  
-TargetSqlPoolName ContosoRestoredSqlPool  
-ResourceGroupName $pool.ResourceGroupName -WorkspaceName $pool.WorkspaceName -ResourceId $databaseId  
-PerformanceLevel DW200c -Tag @{"tagName" = "tagValue"}  
-StorageAccountType LRS
```

This command creates an Azure Synapse Analytics SQL pool with specified tags and storage account type by leveraging a restore point from any existing SQL pool to recover or copy from a previous state.

RELATED LINKS

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