Windows PowerShell Get-Help on Cmdlet 'Start-AzDataProtectionBackupInstanceRestore'

PS:\>Get-HELP Start-AzDataProtectionBackupInstanceRestore -Full

NAME

Start-AzDataProtectionBackupInstanceRestore

SYNOPSIS

Triggers restore for a BackupInstance

SYNTAX

Start-AzDataProtectionBackupInstanceRestore -ResourceGroupName <String> -BackupInstanceName <String> -VaultName <String> -Parameter <IAzureBackupRestoreRequest>

[-SubscriptionId <String>] [-ResourceGuardOperationRequest <String[]>] [-Token <String>] [-RestoreToSecondaryRegion] [-DefaultProfile <PSObject>] [-Break]

[-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-AsJob] [-NoWait] [-ProxyCredential <PSCredential>]

[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

Start-AzDataProtectionBackupInstanceRestore -ResourceGroupName <String> -BackupInstanceName <String> -VaultName <String> [-SubscriptionId <String>]

[-ResourceGuardOperationRequest <String[]>] [-Token <String>] [-RestoreToSecondaryRegion] [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend

<SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-AsJob] [-NoWait] [-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials]

-ObjectType <String> -RestoreTargetInfo <IRestoreTargetInfoBase> -SourceDataStoreType <SourceDataStoreType> [-IdentityDetailUserAssignedIdentityArmUrl <String>]

[-IdentityDetailUseSystemAssignedIdentity] [-SourceResourceId <String>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION

Triggers restore for a BackupInstance

PARAMETERS

-ResourceGroupName <String>

The name of the resource group where the backup vault is present

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-BackupInstanceName <String>

The name of the backup instance

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-VaultName <String>

The name of the backup vault

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Parameter <IAzureBackupRestoreRequest>

Restore request object to be initialized using Initialize-AzDataProtectionRestoreRequest cmdlet

To construct, see NOTES section for PARAMETER properties and create a hash table.

Required? true

Position? named

Default value

Accept pipeline input? true (ByValue)

Accept wildcard characters? false

-SubscriptionId <String>

Subscription Id of the backup vault

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ResourceGuardOperationRequest <String[]>

Resource guard operation request in the format similar to <resourceguard-ARMID>/dppTriggerRestoreRequests/default.

Use this parameter when the operation is MUA protected.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Token <String>

Parameter to authorize operations protected by cross tenant resource guard.

Use command (Get-AzAccessToken -TenantId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx").Token to fetch authorization token for different tenant.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-RestoreToSecondaryRegion [<SwitchParameter>]

Switch parameter to trigger restore to secondary region (Cross region restore)

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-DefaultProfile <PSObject>

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Break [<SwitchParameter>]

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-HttpPipelineAppend <SendAsyncStep[]>

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-HttpPipelinePrepend <SendAsyncStep[]>

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Proxy <Uri>

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AsJob [<SwitchParameter>]

Run the command as a job

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-NoWait [<SwitchParameter>]

Run the command asynchronously

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-ProxyCredential <PSCredential>

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyUseDefaultCredentials [<SwitchParameter>]

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-ObjectType <String>

Object type of the restore request

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-RestoreTargetInfo <IRestoreTargetInfoBase>

Gets or sets the restore target information

To construct, see NOTES section for RESTORETARGETINFO properties and create a hash table.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SourceDataStoreType <SourceDataStoreType>

Type of the source data store

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-IdentityDetailUserAssignedIdentityArmUrl <String>

ARM URL for User Assigned Identity

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-IdentityDetailUseSystemAssignedIdentity [<SwitchParameter>]

Specifies if the BI is protected by System Identity

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-SourceResourceId <String>

Fully qualified Azure Resource Manager ID of the datasource which is being recovered

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Required? false

Position? named

Default value

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

Microsoft.Azure.PowerShell.Cmdlets.DataProtection.Models.Api20240401.IAzureBackupRestoreRequest

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.DataProtection.Models.Api20240401.IOperationJobExtendedInfo

NOTES

COMPLEX PARAMETER PROPERTIES

To create the parameters described below, construct a hash table containing the appropriate properties. For information on hash tables, run Get-Help

about_Hash_Tables.

PARAMETER <IAzureBackupRestoreRequest>: Restore request object to be initialized using Initialize-AzDataProtectionRestoreRequest cmdlet

ObjectType <String>:

RestoreTargetInfo <IRestoreTargetInfoBase>: Gets or sets the restore target information.

ObjectType <String>: Type of Datasource object, used to initialize the right inherited type

[RestoreLocation <String>]: Target Restore region

SourceDataStoreType <SourceDataStoreType>: Gets or sets the type of the source data store.

[IdentityDetailUseSystemAssignedIdentity <Boolean?>]: Specifies if the BI is protected by System Identity.

[IdentityDetailUserAssignedIdentityArmUrl <String>]: ARM URL for User Assigned Identity.

[ResourceGuardOperationRequest <String[]>]: ResourceGuardOperationRequests on which LAC check will be performed

[SourceResourceId <String>]: Fully qualified Azure Resource Manager ID of the datasource which is being recovered.

RESTORETARGETINFO <IRestoreTargetInfoBase>: Gets or sets the restore target information

ObjectType <String>: Type of Datasource object, used to initialize the right inherited type

[RestoreLocation <String>]: Target Restore region

---------- EXAMPLE 1 ----------

PS C:\>$instance = Get-AzDataProtectionBackupInstance -SubscriptionId "xxxx-xxx-xxx" -ResourceGroupName "sarath-rg" -VaultName "sarath-vault"

$rp = Get-AzDataProtectionRecoveryPoint -SubscriptionId "xxx-xxx-xxx" -ResourceGroupName "sarath-rg" -VaultName "sarath-vault" -BackupInstanceName $instance.Name

$restoreRequest = Initialize-AzDataProtectionRestoreRequest -DatasourceType AzureDisk -SourceDataStore OperationalStore -RestoreLocation "westus" -RestoreType AlternateLocation -TargetResourceId "/subscriptions/{subscriptionId}/resourceGroups/{resourceGroup}/providers/Microsoft.Compute/disks/{DiskName}" -RecoveryPoint $rp[0].name

Start-AzDataProtectionBackupInstanceRestore -BackupInstanceName $instance.BackupInstanceName -ResourceGroupName sarath-rg -VaultName sarath-vault -SubscriptionId "xxx-xxx-xxx" -Parameter $restorerequest

---------- EXAMPLE 2 ----------

PS C:\>$instance = Get-AzDataProtectionBackupInstance -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"

```
-ResourceGroupName "resourceGroupName" -VaultName
    "vaultName"

                $rp = Get-AzDataProtectionRecoveryPoint -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
-ResourceGroupName "resourceGroupName" -VaultName "vaultName"
    -BackupInstanceName $instance.Name
    $targetResourceId =

"/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourceGroupName/providers/Microsoft.DBforPost
greSQL/servers/serverName/databases/targetDbName"
    $secretURI = "https://oss-keyvault.vault.azure.net/secrets/oss-secret"
        $restoreRequest = Initialize-AzDataProtectionRestoreRequest -DatasourceType AzureDatabaseForPostgreSQL
-SourceDataStore VaultStore -RestoreLocation "westus"
     -RestoreType AlternateLocation -TargetResourceId $targetResourceId -RecoveryPoint $rp[0].Property.RecoveryPointId
-SecretStoreURI $secretURI -SecretStoreType
    AzureKeyVault
      $restoreJob = Start-AzDataProtectionBackupInstanceRestore -BackupInstanceName $instance.BackupInstanceName
-ResourceGroupName resourceGroupName -VaultName vaultName
    -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -Parameter $restorerequest
    $jobid = $restoreJob.JobId.Split("/")[-1]
    $jobstatus = "InProgress"
    while($jobstatus -ne "Completed")
    {
       Start-Sleep -Seconds 10
              $currentjob = Get-AzDataProtectionJob -Id $jobid -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
-ResourceGroupName "resourceGroupName" -VaultName
    "vaultName"
       $jobstatus = $currentjob.Status
    }
```

---------- EXAMPLE 3 ----------

```
PS C:\>$instance = Get-AzDataProtectionBackupInstance -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
-ResourceGroupName "resourceGroupName" -VaultName
"vaultName"

$rp = Get-AzDataProtectionRecoveryPoint -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
-ResourceGroupName "resourceGroupName" -VaultName "vaultName"
-BackupInstanceName $instance.Name
$targetContainerURI = "https://targetStorageAccount.blob.core.windows.net/targetContainerName"
$fileNamePrefix = "restore_as_files_12345"
$restoreRequest = Initialize-AzDataProtectionRestoreRequest -DatasourceType AzureDatabaseForPostgreSQL
-SourceDataStore VaultStore -RestoreLocation "westus"
-RestoreType RestoreAsFiles -RecoveryPoint $rp[0].Property.RecoveryPointId -TargetContainerURI $targetContainerURI
-FileNamePrefix $fileNamePrefix
$restoreJob = Start-AzDataProtectionBackupInstanceRestore -BackupInstanceName $instance.BackupInstanceName
-ResourceGroupName resourceGroupName -VaultName vaultName
-SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -Parameter $restorerequest
$jobid = $restoreJob.JobId.Split("/")[-1]
$jobstatus = "InProgress"
while($jobstatus -ne "Completed")
{
  Start-Sleep -Seconds 10
  $currentjob = Get-AzDataProtectionJob -Id $jobid -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
-ResourceGroupName "resourceGroupName" -VaultName
"vaultName"
  $jobstatus = $currentjob.Status
}
```

---------- EXAMPLE 4 ----------

PS C:\>$instance = Get-AzDataProtectionBackupInstance -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" | Where-Object { $_.Name -match "aks-cluster-name" }

$rp = Get-AzDataProtectionRecoveryPoint -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" -BackupInstanceName $instance.Name

$aksRestoreCriteria = New-AzDataProtectionRestoreConfigurationClientObject -DatasourceType AzureKubernetesService -PersistentVolumeRestoreMode RestoreWithVolumeData -IncludeClusterScopeResource $true -NamespaceMapping @{"sourceNamespace1"="targetNamespace1";"sourceNamespace2"="targetNamespace2"}

$snapshotResourceGroupId = "/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/snapshotResourceGroup"

$aksOLRRestoreRequest = Initialize-AzDataProtectionRestoreRequest -DatasourceType AzureKubernetesService -SourceDataStore OperationalStore -RestoreLocation eastus -RestoreType OriginalLocation -RecoveryPoint $rps[0].Property.RecoveryPointId -RestoreConfiguration $aksRestoreCriteria -BackupInstance $instance

Set-AzDataProtectionMSIPermission -VaultResourceGroup "resourceGroupName" -VaultName "vaultName" -PermissionsScope "ResourceGroup" -RestoreRequest $aksOLRRestoreRequest -SnapshotResourceGroupId $snapshotResourceGroupId

$validateRestore = Test-AzDataProtectionBackupInstanceRestore -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" -RestoreRequest $aksOLRRestoreRequest -Name $instance.BackupInstanceName

$restoreJob = Start-AzDataProtectionBackupInstanceRestore -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" -BackupInstanceName $instance.BackupInstanceName -Parameter $aksOLRRestoreRequest

---------- EXAMPLE 5 ----------

PS C:\>$instance = Get-AzDataProtectionBackupInstance -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" | Where-Object { $_.Name -match "storageAcountName" }

$rp = Get-AzDataProtectionRecoveryPoint -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" -BackupInstanceName $instance.Name

$backedUpContainers = $instance.Property.PolicyInfo.PolicyParameter.BackupDatasourceParametersList[0].ContainersList

$restoreReq = Initialize-AzDataProtectionRestoreRequest -DatasourceType AzureBlob -SourceDataStore VaultStore -RestoreLocation "vaultLocation" -RecoveryPoint $rp[0].Name -ItemLevelRecovery -RestoreType AlternateLocation -TargetResourceId "targetStorageAccountId" -ContainersList $backedUpContainers[0,1]

Test-AzDataProtectionBackupInstanceRestore -Name $instance[0].Name -ResourceGroupName "resourceGroupName" -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -VaultName "vaultName" -RestoreRequest $restoreReq

$restoreJob = Start-AzDataProtectionBackupInstanceRestore -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" -BackupInstanceName $instance.BackupInstanceName -Parameter $restoreReq

---------- EXAMPLE 6 ----------

PS C:\>$instance = Get-AzDataProtectionBackupInstance -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" | Where-Object { $_.Name -match "storageAcountName" }

$rp = Get-AzDataProtectionRecoveryPoint -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" -BackupInstanceName $instance.Name

$backedUpContainers = $instance.Property.PolicyInfo.PolicyParameter.BackupDatasourceParametersList[0].ContainersList

$targetCrossSubscriptionStorageAccountId =

"/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourceGroupName/providers/Microsoft.Storage/storageAccounts/targetStorageAccount"

$restoreReqCSR = Initialize-AzDataProtectionRestoreRequest -DatasourceType AzureBlob -SourceDataStore VaultStore -RestoreLocation "vaultLocation" -RecoveryPoint $rp[0].Name -ItemLevelRecovery -RestoreType AlternateLocation -TargetResourceId $targetCrossSubscriptionStorageAccountId -ContainersList $backedUpContainers[0,1]

Test-AzDataProtectionBackupInstanceRestore -Name $instance[0].Name -ResourceGroupName "resourceGroupName" -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"

-VaultName "vaultName" -RestoreRequest $restoreReqCSR

$restoreJobCSR = Start-AzDataProtectionBackupInstanceRestore -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName

"vaultName" -BackupInstanceName $instance.BackupInstanceName -Parameter $restoreReqCSR

---------- EXAMPLE 7 ----------

PS C:\>$instance = Get-AzDataProtectionBackupInstance -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName

"vaultName" | Where-Object { $_.Property.DataSourceInfo.ResourceType -match "Postgre" }

$rp = Get-AzDataProtectionRecoveryPoint -BackupInstanceName $instance[0].BackupInstanceName -ResourceGroupName "resourceGroupName" -SubscriptionId

"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -VaultName "vaultName"

$targetResourceArmId = "/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/crossSubResourceGroupName/providers/Microsoft.Storage/storageAccounts/akneem

asaecy/blobServices/default/containers/oss-csr-container"

```
$targetContainerURI =  "https://akneemasaecy.blob.core.windows.net/oss-csr-container"
$fileNamePrefix = "oss-csr-pstest-restoreasfiles"
$ossRestoreReqFiles = Initialize-AzDataProtectionRestoreRequest -DatasourceType AzureDatabaseForPostgreSQL
-SourceDataStore VaultStore -RestoreLocation
"vaultLocation" -RestoreType RestoreAsFiles -RecoveryPoint $rp[0].Property.RecoveryPointId -TargetContainerURI
$targetContainerURI -FileNamePrefix $fileNamePrefix
-TargetResourceIdForRestoreAsFile $targetContainerArmId
$validateRestore = Test-AzDataProtectionBackupInstanceRestore -Name $instance[0].Name -ResourceGroupName
"resourceGroupName" -SubscriptionId
"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -VaultName "vaultName" -RestoreRequest $ossRestoreReqFiles
$restoreJobCSR = Start-AzDataProtectionBackupInstanceRestore -SubscriptionId
"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName
"vaultName" -BackupInstanceName $instance.BackupInstanceName -Parameter $ossRestoreReqFiles
$jobid = $restoreJobCSR.JobId.Split("/")[-1]
$jobstatus = "InProgress"
while($jobstatus -ne "Completed")
{
Start-Sleep -Seconds 10
$currentjob = Get-AzDataProtectionJob -Id $jobid -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
-ResourceGroupName "resourceGroupName" -VaultName
"vaultName"
$jobstatus = $currentjob.Status
}
```

---------- EXAMPLE 8 ----------

```
PS C:\>$restoreJobCRR = Start-AzDataProtectionBackupInstanceRestore -BackupInstanceName $instance.Name
-ResourceGroupName $ResourceGroupName -VaultName $vaultName
-SubscriptionId $SubscriptionId -Parameter $OssRestoreReq -RestoreToSecondaryRegion
```

```
    $jobid = $restoreJobCRR.JobId.Split("/")[-1]
    $jobstatus = "InProgress"
    while($jobstatus -ne "Completed")
    {
        Start-Sleep -Seconds 10
                $currentjob = Get-AzDataProtectionJob -Id $jobid -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
-ResourceGroupName "resourceGroupName" -VaultName
    "vaultName" -UseSecondaryRegion
        $jobstatus = $currentjob.Status
    }
```

```
    ------------------------- EXAMPLE 9 -------------------------
```

```
        PS C:\>$instance = Get-AzDataProtectionBackupInstance -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
-ResourceGroupName "resourceGroupName" -VaultName
    "vaultName"  | Where-Object { $_.Name -match "test-pgflex" }

                $rps = Get-AzDataProtectionRecoveryPoint -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
-ResourceGroupName "resourceGroupName" -VaultName "vaultName"
    -BackupInstanceName $instance.Name
    $targetContainerURI = "https://teststorageaccount.blob.core.windows.net/powershellpgflexrestore"
    $storageAccId = (Get-AzStorageAccount -ResourceGroupName "teststorageaccountRG" -Name "teststorageaccount").Id
                    $pgFlexRestoreAsFilesRequest = Initialize-AzDataProtectionRestoreRequest -DatasourceType
AzureDatabaseForPGFlexServer -SourceDataStore VaultStore -RestoreLocation
      $vault.Location -RestoreType RestoreAsFiles -RecoveryPoint $rps[0].Property.RecoveryPointId -TargetContainerURI
$targetContainerURI
            Set-AzDataProtectionMSIPermission -VaultResourceGroup "resourceGroupName" -VaultName "vaultName"
-PermissionsScope "ResourceGroup" -RestoreRequest
       $pgFlexRestoreAsFilesRequest -DatasourceType AzureDatabaseForPGFlexServer -SubscriptionId $SubscriptionId
-StorageAccountARMId $storageAccId
```

$validateRestore = Test-AzDataProtectionBackupInstanceRestore -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" -RestoreRequest $pgFlexRestoreAsFilesRequest -Name $instance.BackupInstanceName

$restoreJob = Start-AzDataProtectionBackupInstanceRestore -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" -BackupInstanceName $instance.BackupInstanceName -Parameter $pgFlexRestoreAsFilesRequest

---------- EXAMPLE 10 ----------

PS C:\>$instance = Get-AzDataProtectionBackupInstance -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" | Where-Object { $_.Name -match "storageAcountName" }

$rp = Get-AzDataProtectionRecoveryPoint -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" -BackupInstanceName $instance.Name

$backedUpContainers = $instance.Property.PolicyInfo.PolicyParameter.BackupDatasourceParametersList[0].ContainersList

$prefMatch = @{

$backedUpContainers[0] = @("Su", "PS")

$backedUpContainers[1]= @("meta", "coll", "Su")

}

$targetStorageAccountId = "/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourceGroupName/providers/Microsoft.Storage/storageAccounts/targetStorageAccount"

$restoreReqILR = Initialize-AzDataProtectionRestoreRequest -DatasourceType AzureBlob -SourceDataStore VaultStore -RestoreLocation "vaultLocation" -RecoveryPoint $rp[0].Name -ItemLevelRecovery -RestoreType AlternateLocation -TargetResourceId $targetStorageAccountId -ContainersList $backedUpContainers[0,1] -PrefixMatch

```
    $prefMatch
     Test-AzDataProtectionBackupInstanceRestore -Name $instance[0].Name -ResourceGroupName "resourceGroupName"
-SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
    -VaultName "vaultName" -RestoreRequest $restoreReqILR
                                    $restoreJobILR          =          Start-AzDataProtectionBackupInstanceRestore          -SubscriptionId
"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName
    "vaultName" -BackupInstanceName $instance.BackupInstanceName -Parameter $restoreJobILR
```

RELATED LINKS

https://learn.microsoft.com/powershell/module/az.dataprotection/start-azdataprotectionbackupinstancerestore