



## ***Windows PowerShell Get-Help on Cmdlet 'Update-AzRecoveryServicesAsrProtectionDirection'***

***PS:\>Get-HELP Update-AzRecoveryServicesAsrProtectionDirection -Full***

### NAME

Update-AzRecoveryServicesAsrProtectionDirection

### SYNOPSIS

Updates the replication direction for the specified replication protected item or recovery plan. Used to re-protect/reverse replicate a failed over replicated item or recovery plan.

### SYNTAX

```

Update-AzRecoveryServicesAsrProtectionDirection [-AzureToVMware] [-Account
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRRunAsAccount>] -DataStore
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRDataStore> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Direction
{PrimaryToRecovery | RecoveryToPrimary} [-MasterTarget
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRMasterTargetServer>] -ProcessServer
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProcessServer> -ProtectionContainerMapping
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping>
-ReplicationProtectedItem
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem> -RetentionVolume

```

```

    <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRRetentionVolume> [-Confirm] [-WhatIf]
[<CommonParameters>]

Update-AzRecoveryServicesAsrProtectionDirection [-VMwareToAzure] -Account
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRRunAsAccount> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Direction
{PrimaryToRecovery | RecoveryToPrimary} [-LogStorageAccountId
    <System.String>] [-MasterTarget
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRMasterTargetServer>] -ProcessServer
    <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProcessServer> -ProtectionContainerMapping
    <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping>
[-RecoveryAzureStorageAccountId <System.String>] -ReplicationProtectedItem
    <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem> [-Confirm] [-WhatIf]
[<CommonParameters>]

Update-AzRecoveryServicesAsrProtectionDirection [-ReplicateAzureToVMware] -ApplianceName <System.String>
-DataStoreName <System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Direction
{PrimaryToRecovery | RecoveryToPrimary} -Fabric
    <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRFabric> -LogStorageAccountId <System.String>
-ProtectionContainerMapping
    <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping>
-ReplicationProtectedItem
    <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem> [-Confirm] [-WhatIf]
[<CommonParameters>]

Update-AzRecoveryServicesAsrProtectionDirection [-ReplicateVMwareToAzure] -ApplianceName <System.String>
-CredentialsToAccessVm <System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Direction
{PrimaryToRecovery | RecoveryToPrimary} -Fabric
    <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRFabric> -ProtectionContainerMapping
    <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping>
-ReplicationProtectedItem

```

<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem> -SiteId <System.String>  
 [-Confirm] [-WhatIf] [<CommonParameters>]

Update-AzRecoveryServicesAsrProtectionDirection -AzureToAzure [-DefaultProfile  
 <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>  
 [-DiskEncryptionSecretUrl <System.String>] [-DiskEncryptionVaultId  
 <System.String>] [-KeyEncryptionKeyUrl <System.String>] [-KeyEncryptionVaultId <System.String>  
 -LogStorageAccountId <System.String> -ProtectionContainerMapping  
 <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping>  
 [-RecoveryAvailabilitySetId <System.String>] [-RecoveryAzureStorageAccountId  
 <System.String>] [-RecoveryBootDiagStorageAccountId <System.String>] [-RecoveryCapacityReservationGroupId  
 <System.String>] [-RecoveryCloudServiceId <System.String>]  
 [-RecoveryProximityPlacementGroupId <System.String>] [-RecoveryResourceGroupId <System.String>  
 [-RecoveryVirtualMachineScaleSetId <System.String>  
 -ReplicationProtectedItem <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem>  
 [-Confirm] [-WhatIf] [<CommonParameters>]

Update-AzRecoveryServicesAsrProtectionDirection -AzureToAzure -AzureToAzureDiskReplicationConfiguration  
 <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRAzuretoAzureDiskReplicationConfig[]> [-DefaultProfile  
 <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>  
 [-DiskEncryptionSecretUrl <System.String>] [-DiskEncryptionVaultId  
 <System.String>] [-KeyEncryptionKeyUrl <System.String>] [-KeyEncryptionVaultId <System.String>  
 -ProtectionContainerMapping  
 <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping>  
 [-RecoveryAvailabilitySetId <System.String>] [-RecoveryBootDiagStorageAccountId  
 <System.String>] [-RecoveryCapacityReservationGroupId <System.String>] [-RecoveryCloudServiceId <System.String>  
 [-RecoveryProximityPlacementGroupId <System.String>  
 [-RecoveryResourceGroupId <System.String>] [-RecoveryVirtualMachineScaleSetId <System.String>  
 -ReplicationProtectedItem  
 <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem> [-Confirm] [-WhatIf]  
 [<CommonParameters>]

```

Update-AzRecoveryServicesAsrProtectionDirection [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Direction
{PrimaryToRecovery | RecoveryToPrimary} -ReplicationProtectedItem
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem> [-Confirm]
[-WhatIf] [<CommonParameters>]

```

```

Update-AzRecoveryServicesAsrProtectionDirection [-HyperVToAzure] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Direction
{PrimaryToRecovery | RecoveryToPrimary} [-LogStorageAccountId
<System.String>] [-RecoveryAzureStorageAccountId <System.String>] -ReplicationProtectedItem
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

Update-AzRecoveryServicesAsrProtectionDirection [-VmmToVmm] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Direction
{PrimaryToRecovery | RecoveryToPrimary}
-ReplicationProtectedItem <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem>
[-Confirm] [-WhatIf] [<CommonParameters>]

```

```

Update-AzRecoveryServicesAsrProtectionDirection [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Direction
{PrimaryToRecovery | RecoveryToPrimary} -RecoveryPlan
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRRecoveryPlan> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

Update-AzRecoveryServicesAsrProtectionDirection [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Direction
{PrimaryToRecovery | RecoveryToPrimary} [-Confirm] [-WhatIf] [<CommonParameters>]

```

## DESCRIPTION

The Update-AzRecoveryServicesAsrProtectionDirection cmdlet updates the replication direction for the specified Azure Site Recovery object after the completion of a

commit failover operation.

## PARAMETERS

-Account <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRRunAsAccount>

The run as account to be used to push install the Mobility service if needed. Must be one from the list of run as accounts in the ASR fabric.

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

-ApplianceName <System.String>

Specifies the name of appliance to be used to replicate this machine.

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

-AzureToAzure <System.Management.Automation.SwitchParameter>

Specifies the Azure to Azure disaster recovery.

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

<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRAzuretoAzureDiskReplicationConfig[]>

Specifies the disk configuration for disaster recovery.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-AzureToVMware <System.Management.Automation.SwitchParameter>

Specifies the switch azure to vMWare scenario.

Required? true

Position? 0

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-CredentialsToAccessVm <System.String>

Specifies the name of credentials to be used to push install the Mobility service on source machine if needed.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DataStore <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRDataStore>

The VMware data-store to be used for the vmdisk's.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DataStoreName <System.String>

Name of the VMware data store to be used for the VM disk's.

Required? true

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

-Direction <System.String>

Specifies the direction to be used for the update operation post a failover. The acceptable values for this parameter are:

- PrimaryToRecovery

- RecoveryToPrimary

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

**-DiskEncryptionSecretUrl <System.String>**

Specifies the disk encryption secret URL with version(Azure disk encryption) to be used by recovery VM after failover.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

**-DiskEncryptionVaultId <System.String>**

Specifies the disk encryption secret vault ID(Azure disk encryption) to be used by recovery VM after failover.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

**-Fabric <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRFabric>**

Specifies the ASR Fabric object.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

**-HyperVToAzure <System.Management.Automation.SwitchParameter>**

Reprotect a Hyper-V virtual machine after failback.

Required? true

Position? 0  
Default value False  
Accept pipeline input? False  
Accept wildcard characters? false

-KeyEncryptionKeyUrl <System.String>

Specifies the disk encryption key URL(Azure disk encryption) to be used be recovery VM after failover.

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

-KeyEncryptionVaultId <System.String>

Specifies the disk encryption key keyVault ID(Azure disk encryption) to be used be recovery VM after failover.

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

-LogStorageAccountId <System.String>

Specifies the storage account ID to store the replication log of VMs.

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

-MasterTarget <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRMasterTargetServer>

## Master Target Server Details.

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

-ProcessServer <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProcessServer>

Process Server to be used for replication.

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

-ProtectionContainerMapping

<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping>

Protection containerMapping to be used for replication.

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

-RecoveryAvailabilitySetId <System.String>

The availability set that the virtual machine should be created in upon failover

Required? false  
Position? named  
Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryAzureStorageAccountId <System.String>

Specifies the ID of the Azure storage account to replicate to.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryBootDiagStorageAccountId <System.String>

Specifies the storage account for boot diagnostics for recovery azure VM.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryCapacityReservationGroupId <System.String>

Specify the capacity reservation group Id to be used by the failover VM in target recovery region.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryCloudServiceId <System.String>

The resource ID of the recovery cloud service to failover this virtual machine to.

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

-RecoveryPlan <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRRecoveryPlan>

Specifies an ASR recovery plan object.

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

-RecoveryProximityPlacementGroupId <System.String>

The resource ID of the recovery proximity placement group to failover this virtual machine to.

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

-RecoveryResourceGroupId <System.String>

Recovery resourceGroup id for protected Vm.

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

-RecoveryVirtualMachineScaleSetId <System.String>

Specifies the recovery virtual machine scale set id.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ReplicateAzureToVMware <System.Management.Automation.SwitchParameter>

Switch parameter specifying Azure to VMware replication scenario..

Required? true

Position? 0

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ReplicateVMwareToAzure <System.Management.Automation.SwitchParameter>

Switch parameter specifying VMware to Azure replication scenario..

Required? true

Position? 0

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ReplicationProtectedItem <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem>

Specifies an ASR replication protected item.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-RetentionVolume <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRRetentionVolume>

Retention Volume on the master target server to be used.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SiteId <System.String>

Specifies the VMware site Id where the protectable item was discovered. Use site Id from fabric specific details in the ASR fabric to specify one.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VmmToVmm <System.Management.Automation.SwitchParameter>

Update replication direction for a failed over Hyper-V virtual machine that is protected between two VMM managed Hyper-V sites.

Required? true

Position? 0

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-VMwareToAzure <System.Management.Automation.SwitchParameter>

Update replication direction from VMware to Azure.

|                             |       |
|-----------------------------|-------|
| Required?                   | true  |
| Position?                   | 0     |
| 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>).

Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRRecoveryPlan

Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem

## OUTPUTS

Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRJob

## NOTES

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

```
$currentJob = Update-AzRecoveryServicesAsrProtectionDirection -RecoveryPlan $RP -Direction PrimaryToRecovery
```

Start the update direction operation for the specified recovery plan and returns the ASR job object used to track the operation.

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

```
$currentJob = Update-AzRecoveryServicesAsrProtectionDirection -AzureToAzure -ProtectionContainerMapping  
$B2ApcmMapping -LogStorageAccountId $cacheStorageId `  
-ReplicationProtectedItem $rpi
```

Start the update direction operation for the specified replication protected item in target azure region defined by protection container mapping and using cache

storage (in same region as VM).

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

```
$currentJob = Update-AzRecoveryServicesAsrProtectionDirection -AzureToAzure -ProtectionContainerMapping  
$B2ApcmMapping `  
-AzureToAzureDiskReplicationConfiguration $disk1,$disk2 -ReplicationProtectedItem $rpi
```

Start the update direction operation for the specified replication protected item in target azure region defined by protection container mapping and provided disk replication configuration.

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

```
$currentJob = Update-AzRecoveryServicesAsrProtectionDirection -AzureToAzure -ProtectionContainerMapping  
$B2ApcmMapping `  
-AzureToAzureDiskReplicationConfiguration $disk1,$disk2 -ReplicationProtectedItem $rpi `  
-DiskEncryptionVaultId $DiskEncryptionVaultId -DiskEncryptionSecretUrl $DiskEncryptionSecertUrl `  
-KeyEncryptionVaultId $KeyEncryptionVaultId -KeyEncryptionKeyUrl $KeyEncryptionKeyUrl
```

Start the update direction operation for the specified encrypted replication protected item in target azure region defined by protection container mapping and provided disk replication configuration.

----- Example 5 -----

```
$currentJob = Update-AzRecoveryServicesAsrProtectionDirection -AzureToAzure -ProtectionContainerMapping  
$B2ApcmMapping -LogStorageAccountId $cacheStorageId `  
-ReplicationProtectedItem $rpi -RecoveryProximityPlacementGroupId $ppg
```

Start the update direction operation for the specified replication protected item in target azure region defined by protection container mapping and using cache

storage (in same region as VM) and proximity placement group.

----- Example 6 -----

```
$currentJob = Update-AzRecoveryServicesAsrProtectionDirection -AzureToAzure -ProtectionContainerMapping  
$B2ApcmMapping -LogStorageAccountId $cacheStorageId `  
-ReplicationProtectedItem $rpi -RecoveryVirtualMachineScaleSetId $vmss
```

Start the update direction operation for the specified replication protected item in target azure region defined by protection container mapping and using cache

storage (in same region as VM) and virtual machine scale set.

## RELATED LINKS

Online

Version:

<https://learn.microsoft.com/powershell/module/az.recoveryservices/update-azrecoveryservicesasrprotectiondirection>