



Windows PowerShell Get-Help on Cmdlet 'Set-AzRecoveryServicesAsrReplicationProtectedItem'

PS:\>Get-HELP Set-AzRecoveryServicesAsrReplicationProtectedItem -Full

NAME

Set-AzRecoveryServicesAsrReplicationProtectedItem

SYNOPSIS

Sets recovery properties such as target network and virtual machine size for the specified replication protected item.

SYNTAX

```

Set-AzRecoveryServicesAsrReplicationProtectedItem [-ASRVMNicConfiguration
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRVMNicConfig[]>]
[-AzureToAzureUpdateReplicationConfiguration
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRAzuretoAzureDiskReplicationConfig[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DiskEncryptionSecretUrl <System.String>] [-DiskEncryptionVaultId
<System.String>] [-DiskIdToDiskEncryptionSetMap
<System.Collections.Generic.IDictionary`2[System.String,System.String]>] [-DiskTag
<System.Collections.Generic.IDictionary`2[System.String,System.String]>] [-EnableAcceleratedNetworkingOnRecovery]
-InputObject
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem> [-KeyEncryptionKeyUrl
<System.String>] [-KeyEncryptionVaultId <System.String>]

```

```

[-LicenseType {NoLicenseType | WindowsServer}] [-Name <System.String>] [-NicSelectionType {NotSelected |
SelectedByUser}] [-PrimaryNic <System.String>]

[-RecoveryAvailabilitySet <System.String>] [-RecoveryAvailabilityZone <System.String>]
[-RecoveryBootDiagStorageAccountId <System.String>]

[-RecoveryCapacityReservationGroupId <System.String>] [-RecoveryCloudServiceId <System.String>]
[-RecoveryLBBackendAddressPoolId <System.String[]>]

[-RecoveryNetworkId <System.String>] [-RecoveryNetworkSecurityGroupId <System.String>]
[-RecoveryNicStaticIPAddress <System.String>] [-RecoveryNicSubnetName
<System.String>] [-RecoveryNicTag <System.Collections.Generic.IDictionary`2[System.String,System.String]>]
[-RecoveryProximityPlacementGroupId <System.String>]

[-RecoveryPublicIpAddressId <System.String>] [-RecoveryResourceId <System.String>]
[-RecoveryVirtualMachineScaleSetId <System.String>] [-RecoveryVmTag
<System.Collections.Generic.IDictionary`2[System.String,System.String]>] [-Size <System.String>]
[-SqlServerLicenseType {NoLicenseType | PAYG | AHUB}] [-TestNetworkId
<System.String>] [-TestNicStaticIPAddress <System.String>] [-TestNicSubnetName <System.String>]
[-TfoAzureVMName <System.String>] [-UpdateNic <System.String>]

[-UseManagedDisk {True | False}] [-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The Set-AzRecoveryServicesAsrReplicationProtectedItem cmdlet sets the recovery properties for a Replication Protected Item.

PARAMETERS

-ASRVMNicConfiguration <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRVMNicConfig[]>

Specifies the test failover and failover NIC configuration details.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

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

Specifies the disk configuration to updated for managed disk Vm (Azure to Azure DR scenrio).

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

-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 key 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

-DiskIdToDiskEncryptionSetMap <System.Collections.Generic.IDictionary`2[System.String,System.String]>

The dictionary of disk resource Id to disk encryption set ARM Id.

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

-DiskTag <System.Collections.Generic.IDictionary`2[System.String,System.String]>

Specify the tags for the disks of the VM. This is applicable for Vmware to Azure and HyperV to Azure providers.

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

-EnableAcceleratedNetworkingOnRecovery <System.Management.Automation.SwitchParameter>

Specifies the specified NIC on recovery vm after failover uses accelerated networking.

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

-InputObject <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem> *Page 4/17*

The input object to the cmdlet: The ASR replication protected item object corresponding to the replication protected item to update.

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

-KeyEncryptionKeyUrl <System.String>

Specifies the disk encryption key URL 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

-KeyEncryptionVaultId <System.String>

Specifies the disk encryption key keyVault 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

-LicenseType <System.String>

Specify the license type selection to be used for Windows Server virtual machines. If you are entitled to use the Azure Hybrid Use Benefit (HUB) for migrations

and would like to specify that the HUB setting be used while failing over this protected item set the license type to be WindowsServer.

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

-Name <System.String>

Specifies the name of the recovery virtual machine that will be created on failover.

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

-NicSelectionType <System.String>

Specifies the network interface card (NIC) properties set by user or set by default. You can specify NotSelected to go back to the default values.

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

-PrimaryNic <System.String>

Specifies the NIC which will be used as primary NIC for recovery VM after after failover.

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

-RecoveryAvailabilitySet <System.String>

Availability set for replication protected item after failover.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryAvailabilityZone <System.String>

Specifies availability zone for replication protected item after failover.

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

-RecoveryLBBackendAddressPoolId <System.String[]>

Specifies the target backend address pools to be associated with the recovery NIC.

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

-RecoveryNetworkId <System.String>

Specifies the ID of the Azure virtual network to which the protected item should be failed over.

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

-RecoveryNetworkSecurityGroupId <System.String>

Specifies the ID of the network security group to be associated with the recovery NIC.

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

-RecoveryNicStaticIPAddress <System.String>

Specifies the static IP address that should be assigned to primary NIC on recovery.

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

-RecoveryNicSubnetName <System.String>

Specifies the name of the subnet on the recovery Azure virtual network to which this NIC of the protected item should be connected to on failover.

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

-RecoveryNicTag <System.Collections.Generic.IDictionary`2[System.String,System.String]>

Specify the tags for the target NICs of the VM. This is applicable for Vmware to Azure and HyperV to Azure providers.

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

Accept wildcard characters? false

-RecoveryProximityPlacementGroupId <System.String>

Specifies the Resource Id of the recovery proximity placement group to failover the virtual machine to.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryPublicIpAddressId <System.String>

Specifies the ID of the public IP address resource to be associated with the recovery NIC.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryResourceGroupId <System.String>

The ID of the Azure resource group in the recovery region in which the protected item will be recovered on failover.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryVirtualMachineScaleSetId <System.String>

Specifies the target virtual machine scale set to be configured.

Required? false

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

-RecoveryVmTag <System.Collections.Generic.IDictionary`2[System.String,System.String]>

Specify the tags for target VM. This is applicable for Vmware to Azure and HyperV to Azure providers.

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

-Size <System.String>

Specifies the recovery virtual machine size. The value should be from the set of sizes supported by Azure virtual machines.

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

-SqlServerLicenseType <System.String>

Specify the SQL Server license type of the VM. This is applicable for Vmware to Azure and HyperV to Azure providers.

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

-TestNetworkId <System.String>

Specifies the ARM Id of test network (Applicable only for VMware to Azure replication scenario).

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TestNicStaticIPAddress <System.String>

Specifies the test static IP address (Applicable only for VMware to Azure replication scenario).

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TestNicSubnetName <System.String>

Specifies the name of the test subnet (Applicable only for VMware to Azure replication scenario).

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TfoAzureVMName <System.String>

Specifies the name of the test failover VM.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-UpdateNic <System.String>

Specifies the NIC of the virtual machine for which this cmdlet sets the recovery network property needs to updated.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-UseManagedDisk <System.String>

Specifies if the Azure virtual machine that is created on failover should use managed disks.

Required? false

Position? named

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>).

INPUTS

Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRReplicationProtectedItem

OUTPUTS

Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRJob

NOTES

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

```
$currentJob = Set-AzRecoveryServicesAsrReplicationProtectedItem -ReplicationProtectedItem $RPI -UpdateNic $NicId  
-RecoveryNetworkId $AzureNetworkId  
-RecoveryNicSubnetName $subnetName
```

Starts the operation of updating the replication protected item settings using the specified parameters and returns the ASR job used to track the operation.

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

```
$currentJob = Set-AzRecoveryServicesAsrReplicationProtectedItem -InputObject $rpi -UpdateNic "00:50:56:8F:3F:7B"  
-RecoveryNetworkId $recoveryNetwork  
-RecoveryNicSubnetName $recoverySubnet -NicSelectionType NotSelected
```

Starts the operation of updating the replication protected item Network Interface card(NIC Reduction) settings using the specified parameters and returns the ASR job used to track the operation.

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

```
$currentJob = Set-AzRecoveryServicesAsrReplicationProtectedItem -InputObject $rpi -PrimaryNic "00:50:56:8F:3F:7B"
```

Starts the operation of updating the replication protected item primary NIC(to used for recovered vm)settings using the specified parameters and returns the ASR job used to track the operation.

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

```
Set-AzRecoveryServicesAsrReplicationProtectedItem -InputObject $rpi -UpdateNic $updateNic -RecoveryNetworkId  
$recoveryNetworkId -RecoveryNicSubnetName  
$recoveryNicSubnetName -NicSelectionType SelectedByUser
```

Starts the operation of updating the replication protected item NIC (to used for recovered vm)settings using the specified parameters and returns the ASR job used to track the operation.

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

```
$currentJob = Set-AzRecoveryServicesAsrReplicationProtectedItem -InputObject $rpi -UpdateNic $updateNic `
    -RecoveryNetworkId $recoveryNetworkId -RecoveryNicSubnetName $recoveryNicSubnetName
-EnableAcceleratedNetworkingOnRecovery
```

Starts the operation of updating the replication protected item selected to enable accelerated networking on recovery VM (for Azure to Azure disaster recovery).

Don't pass -EnableAcceleratedNetworkingOnRecovery to disable accelerated Networking.

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

```
$currentJob = Set-AzRecoveryServicesAsrReplicationProtectedItem -InputObject $rpi `
-DiskEncryptionVaultId $DiskEncryptionVaultId -DiskEncryptionSecretUrl $DiskEncryptionSecretUrl `
-KeyEncryptionVaultId $KeyEncryptionVaultId -KeyEncryptionKeyUrl $KeyEncryptionKeyUrl
```

Start the update operation for the specified encrypted replication protected item to use supplied encryption details for failover VM.

----- Example 7 -----

```
$currentJob = Set-AzRecoveryServicesAsrReplicationProtectedItem -InputObject $rpi
-RecoveryProximityPlacementGroupId $ppg
```

Start the update operation for the specified replication protected item to use the supplied proximity placement group for failover VM.

----- Example 8 -----


```
$currentJob = Set-AzRecoveryServicesAsrReplicationProtectedItem -InputObject $rpi  
-RecoveryVirtualMachineScaleSetId $vmss
```

Start the update operation for the specified replication protected item to use the supplied virtual machine scale set for failover VM.

RELATED LINKS

Online

Version:

<https://learn.microsoft.com/powershell/module/az.recoveryservices/set-azrecoveryservicesasrreplicationprotecteditem>

Get-AzRecoveryServicesAsrReplicationProtectedItem

New-AzRecoveryServicesAsrReplicationProtectedItem

Remove-AzRecoveryServicesAsrReplicationProtectedItem