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

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

NAME

New-AzRecoveryServicesAsrReplicationProtectedItem

SYNOPSIS

Enables replication for an ASR protectable item by creating a replication protected item.

SYNTAX

New-AzRecoveryServicesAsrReplicationProtectedItem [-VMwareToAzure] -Account <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRRunAsAccount> [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DiskEncryptionSetId <System.String>] [-DiskTag <System.Collections.Generic.IDictionary`2[System.String,System.String]>] -DiskType <System.String> [-LogStorageAccountId <System.String>] -Name <System.String> -ProcessServer <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProcessServer> -ProtectableItem <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectableItem> -ProtectionContainerMapping <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping> [-RecoveryAvailabilitySetId <System.String>] [-RecoveryAvailabilityZone <System.String>] [-RecoveryAzureNetworkId <System.String>] [-RecoveryAzureSubnetName <System.String>] [-RecoveryNicTag

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

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

[-Size <System.String>] [-SqlServerLicenseType {NoLicenseType | PAYG | AHUB}] [-UseManagedDisk {True | False}] [-UseManagedDisksForReplication {True | False}]

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

New-AzRecoveryServicesAsrReplicationProtectedItem [-VMwareToAzure] -Account <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRRunAsAccount> [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DiskEncryptionSetId <System.String>] [-DiskTag

<System.Collections.Generic.IDictionary`2[System.String,System.String]>] [-InMageAzureV2DiskInput

<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.AsrInMageAzureV2DiskInput[]>] [-LogStorageAccountId <System.String>] -Name <System.String> -ProcessServer

<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProcessServer> -ProtectableItem <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectableItem>

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

[-RecoveryAvailabilitySetId <System.String>]

[-RecoveryAvailabilityZone <System.String>] [-RecoveryAzureNetworkId <System.String>] [-RecoveryAzureSubnetName <System.String>] [-RecoveryNicTag

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

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

[-Size <System.String>] [-SqlServerLicenseType {NoLicenseType | PAYG | AHUB}] [-UseManagedDisk {True | False}] [-UseManagedDisksForReplication {True | False}]

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

New-AzRecoveryServicesAsrReplicationProtectedItem [-ReplicateVMwareToAzure] -ApplianceName <System.String> [-CredentialsToAccessVm <System.String>] [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DiskEncryptionSetId

<System.String>] -DiskType <System.String> -Fabric
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRFabric> [-LicenseType {NoLicenseType |
WindowsServer}] -LogStorageAccountId <System.String> -Name
<System.String> -ProtectableItem <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectableItem>
-ProtectionContainerMapping
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping>
[-RecoveryAvailabilitySetId <System.String>] [-RecoveryAvailabilityZone
<System.String>] [-RecoveryAzureNetworkId <System.String>] [-RecoveryAzureSubnetName <System.String>]
[-RecoveryBootDiagStorageAccountId <System.String>]
[-RecoveryProximityPlacementGroupId <System.String>] -RecoveryResourceGroupId <System.String>
[-RecoveryVmName <System.String>] [-ReplicationGroupName
<System.String>] [-Size <System.String>] [-TestNetworkId <System.String>] [-TestSubnetName <System.String>]
[-UseManagedDisk {True | False}]
[-UseManagedDisksForReplication {True | False}] [-WaitForCompletion] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzRecoveryServicesAsrReplicationProtectedItem [-ReplicateVMwareToAzure] -ApplianceName <System.String>
[-CredentialsToAccessVm <System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Fabric
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRFabric>
-InMageRcmDiskInput <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRInMageRcmDiskInput[]>
[-LicenseType {NoLicenseType | WindowsServer}] -Name
<System.String> -ProtectableItem <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectableItem>
-ProtectionContainerMapping
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping>
[-RecoveryAvailabilitySetId <System.String>] [-RecoveryAvailabilityZone
<System.String>] [-RecoveryAzureNetworkId <System.String>] [-RecoveryAzureSubnetName <System.String>]
[-RecoveryBootDiagStorageAccountId <System.String>]
[-RecoveryProximityPlacementGroupId <System.String>] -RecoveryResourceGroupId <System.String>
[-RecoveryVmName <System.String>] [-ReplicationGroupName
<System.String>] [-Size <System.String>] [-TestNetworkId <System.String>] [-TestSubnetName <System.String>]
[-UseManagedDisk {True | False}]
[-UseManagedDisksForReplication {True | False}] [-WaitForCompletion] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzRecoveryServicesAsrReplicationProtectedItem [-AzureToAzure] -AzureToAzureDiskReplicationConfiguration <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRAzuretoAzureDiskReplicationConfig[]> -AzureVmId <System.String> [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DiskEncryptionSecretUrl <System.String>] [-DiskEncryptionVaultId <System.String>] [-KeyEncryptionKeyUrl <System.String>] [-KeyEncryptionVaultId <System.String>] -Name <System.String> -ProtectionContainerMapping <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping> [-RecoveryAvailabilitySetId <System.String>] [-RecoveryAvailabilityZone <System.String>] [-RecoveryAzureNetworkId <System.String>] [-RecoveryAzureSubnetName <System.String>] [-RecoveryBootDiagStorageAccountId <System.String>] [-RecoveryCapacityReservationGroupId <System.String>] [-RecoveryCloudServiceId <System.String>] [-RecoveryExtendedLocation <System.String>] [-RecoveryProximityPlacementGroupId <System.String>] -RecoveryResourceGroupId <System.String> [-RecoveryVirtualMachineScaleSetId <System.String>] [-RecoveryVmName <System.String>] [-ReplicationGroupName <System.String>] [-UseManagedDisk {True | False}] [-UseManagedDisksForReplication {True | False}] [-WaitForCompletion] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzRecoveryServicesAsrReplicationProtectedItem [-AzureToAzure] -AzureVmId <System.String> [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DiskEncryptionSecretUrl <System.String>] [-DiskEncryptionVaultId <System.String>] [-KeyEncryptionKeyUrl <System.String>] [-KeyEncryptionVaultId <System.String>] -LogStorageAccountId <System.String> -Name <System.String> -ProtectionContainerMapping <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping> [-RecoveryAvailabilitySetId <System.String>] [-RecoveryAvailabilityZone <System.String>] [-RecoveryAzureNetworkId <System.String>] [-RecoveryAzureStorageAccountId <System.String>] [-RecoveryAzureSubnetName <System.String>] [-RecoveryBootDiagStorageAccountId <System.String>] [-RecoveryCapacityReservationGroupId <System.String>] [-RecoveryProximityPlacementGroupId <System.String>] -RecoveryResourceGroupId <System.String> [-RecoveryVirtualMachineScaleSetId <System.String>] [-RecoveryVmName <System.String>] [-ReplicationGroupName

<System.String>] [-UseManagedDisk {True | False}] [-UseManagedDisksForReplication {True | False}] [-WaitForCompletion] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzRecoveryServicesAsrReplicationProtectedItem [[-HyperVToAzure]] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DiskTag <System.Collections.Generic.IDictionary`2[System.String,System.String]>] [-IncludeDiskId <System.String[]>] [-LogStorageAccountId <System.String>] -Name <System.String> -OS {Windows | Linux} -OSDiskName <System.String> -ProtectableItem <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectableItem> -ProtectionContainerMapping <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping> [-RecoveryAvailabilitySetId <System.String>] [-RecoveryAvailabilityZone <System.String>] [-RecoveryAzureNetworkId <System.String>] -RecoveryAzureStorageAccountId <System.String> [-RecoveryAzureSubnetName <System.String>] [-RecoveryNicTag <System.Collections.Generic.IDictionary`2[System.String,System.String]>] [-RecoveryProximityPlacementGroupId <System.String>] -RecoveryResourceGroupId <System.String> [-RecoveryVmName <System.String>] [-RecoveryVmTag <System.Collections.Generic.IDictionary`2[System.String,System.String]>] [-Size <System.String>] [-SqlServerLicenseType {NoLicenseType | PAYG | AHUB}] [-UseManagedDisk {True | False}] [-UseManagedDisksForReplication {True | False}] [-WaitForCompletion] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzRecoveryServicesAsrReplicationProtectedItem [[-HyperVToAzure]] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name <System.String> -ProtectableItem <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectableItem> -ProtectionContainerMapping <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping> -RecoveryAzureStorageAccountId <System.String> -RecoveryResourceGroupId <System.String> [-RecoveryVmName <System.String>] [-UseManagedDisk {True | False}] [-UseManagedDisksForReplication {True | False}] [-WaitForCompletion] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzRecoveryServicesAsrReplicationProtectedItem [[-VmmToVmm]] [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name <System.String> -ProtectableItem
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectableItem> -ProtectionContainerMapping
<Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectionContainerMapping> [-UseManagedDisk {True | False}] [-UseManagedDisksForReplication {True |
False}] [-WaitForCompletion] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzRecoveryServicesAsrReplicationProtectedItem cmdlet creates a new replication protected item. Use this cmdlet to enable replication for an ASR protectable
item.

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? true
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>

Switch parameter specifies creating the replicated item in azure to azure scenario.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

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

Specifies the disk configuration to used Vm for Azure to Azure disaster recovery scenario.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-AzureVmId <System.String>

Specifies the Azure VM id for disaster recovery protection in recovery region.

Required? true

Position? named

Default value None

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? 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 be recovery VM after failover.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DiskEncryptionSetId <System.String>

Specifies the resource Id of the disk encryption set, to be used for the encryption of the managed disks.

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 be recovery VM after failover.

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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DiskType <System.String>

Specifies the Recovery VM managed disk type.

Required? true

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>

Switch parameter to specify the replicated item is a Hyper-V virtual machine that is being replicated to Azure.

Required? false

Position? 0

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-IncludeDiskId <System.String[]>

The list of disks to include for replication. By default all disks are included.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-InMageAzureV2DiskInput <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.AsrInMageAzureV2DiskInput[]>

Specifies the disk configuration input for vMWare disk id to protect from specified protectable item.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-InMageRcmDiskInput <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRInMageRcmDiskInput[]>

Specifies the disk input to be used for VMware to Azure disaster recovery scenario.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-KeyEncryptionKeyUrl <System.String>

Specifies the disk encryption key URL with version(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 key-vault 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

-LicenseType <System.String>

Specifies the the license type. The acceptable values for this parameter are: NoLicenseType or WindowsServer.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-LogStorageAccountId <System.String>

Specifies the log or cache storage account Id to be used to store replication logs.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

Specifies a name for the ASR replication protected item. The name must be unique within the vault.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-OS <System.String>

Specifies the operating system family. The acceptable values for this parameter are: Windows or Linux.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-OSDiskName <System.String>

Specifies the name of the operating system disk.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

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

The Process Server to use to replicate this machine. Use the list of process servers in the ASR fabric corresponding to the Configuration server to specify one.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ProtectableItem <Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRProtectableItem>

Specifies the ASR protectable item object for which replication is being enabled.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

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

Specifies the ASR protection container mapping object corresponding to the replication policy to be used for replication.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryAvailabilitySetId <System.String>

The ID of the AvailabilitySet to recover the machine to in the event of a failover.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryAvailabilityZone <System.String>

Specifies the recovery VM availability zone after failover.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryAzureNetworkId <System.String>

The ID of the Azure virtual network to recover the machine to in the event of a 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? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryAzureSubnetName <System.String>

The subnet within the recovery Azure virtual network to which the failed over virtual machine should be attached in the event of a 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>

Specifies 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

-RecoveryExtendedLocation <System.String>

Specifies Recovery ExtendedLocation in case of EZ-to-EZ.

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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryProximityPlacementGroupId <System.String>

Specify the proximity placement group Id to used by the failover Vm in target recovery region.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryResourceGroupId <System.String>

Specifies the ARM identifier of the resource group in which the virtual machine will be created in the event of a failover.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryVirtualMachineScaleSetId <System.String>

Specify the virtual machine scale set Id to used by the failover Vm in target recovery region.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RecoveryVmName <System.String>

Name of the recovery Vm created after failover.

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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ReplicateVMwareToAzure <System.Management.Automation.SwitchParameter>

Switch parameter to specify the replicated item is a VMware virtual machine that is being replicated to Azure.

Required? true

Position? 0

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ReplicationGroupName <System.String>

Specifies the replication group name to use to create multi-VM consistent recovery points. By default each replication protected item is created in a group of its

own and multi-VM consistent recovery points are not generated. Use this option only if you need to create multi-VM consistent recovery points across a group of

machines by protecting all machines to the same replication group.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Size <System.String>

Specify the recovery virtual machine size.

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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TestNetworkId <System.String>

Specifies the test network ARM Id.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TestSubnetName <System.String>

Specifies the test network subnet name.

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. It Accepts either True or False.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-UseManagedDisksForReplication <System.String>

Specifies if the managed disks needs to be used during replication. It Accepts either True or False.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VmmToVmm <System.Management.Automation.SwitchParameter>

Switch parameter to specify the replicated item is a Hyper-V virtual machine that is being replicated between VMM managed Hyper-V sites.

Required? false

Position? 0

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-VMwareToAzure <System.Management.Automation.SwitchParameter>

Switch parameter to specify the replicated item is a VMware virtual machine or physical server that will be replicate to Azure.

Required? true

Position? 0

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WaitForCompletion <System.Management.Automation.SwitchParameter>

Specifies that the cmdlet should wait for completion of the operation before returning.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts for confirmation before starting the operation.

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.ASRProtectableItem

OUTPUTS

Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRJob

NOTES

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

$currentJob = New-AzRecoveryServicesAsrReplicationProtectedItem -ProtectableItem $VM -Name $VM.Name -ProtectionContainerMapping $ProtectionContainerMapping

Starts the replication protected item creation operation for the specified ASR protectable item and returns the ASR job used to track the operation.

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

$job = New-AzRecoveryServicesAsrReplicationProtectedItem -VMwareToAzure -Account $fabric.FabricSpecificDetails.RunAsAccounts[0] `

-RecoveryResourceGroupId $RecoveryResourceGroupId -RecoveryAzureNetworkId $RecoveryAzureNetworkId -name $name `

-ProcessServer $fabric.FabricSpecificDetails.ProcessServers[0] -ProtectableItem $protectableItem -ProtectionContainerMapping $pcm `

-RecoveryAzureSubnetName $RecoveryAzureSubnetName -RecoveryVmName $RecoveryVmName -LogStorageAccountId $LogStorageAccountId

Starts the replication protected item creation operation for the specified ASR protectable item and returns the ASR job used to track the operation(vmWare to Azure
scenario).

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

$job = New-AzRecoveryServicesAsrReplicationProtectedItem -AzureToAzure -AzureToAzureDiskReplicationConfiguration disk1,disk2 -AzureVmId $vmId `
-Name "a2aprotectedItem" -ProtectionContainerMapping $pcmMapping -RecoveryResourceGroupId $recoveryResourceGroup

Starts the replication protected item creation operation for the specified ASR protectable item and returns the ASR job used to track the operation (Azure to Azure
scenario).

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

$disk1 = New-AzRecoveryServicesAsrAzureToAzureDiskReplicationConfig -vhdUri $diskUri1 -RecoveryAzureStorageAccountId $recoveryAzureStorageAccountId `
-LogStorageAccountId $logStorageAccountId
$disk2 = New-AzRecoveryServicesAsrAzureToAzureDiskReplicationConfig -vhdUri $diskUri2 -RecoveryAzureStorageAccountId $recoveryAzureStorageAccountId `
-LogStorageAccountId $logStorageAccountId
$enableDRjob = New-AzRecoveryServicesAsrReplicationProtectedItem -AzureToAzure -AzureVmId $vmId -Name $rpiName `
-RecoveryCloudServiceId $recoveryCloudServiceId -ProtectionContainerMapping $pcm -RecoveryResourceGroupId $RecoveryResourceGroupId `
-AzureToAzureDiskReplicationConfiguration $disk1,$disk2 -RecoveryAzureNetworkId $RecoveryAzureNetworkId

-RecoveryAzureSubnetName $RecoveryAzureSubnetName

Starts the replication protected item creation operation for the specified VmId and returns the ASR job used to track the operation (Azure to Azure scenario).

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

$disk1 = New-AzRecoveryServicesAsrInMageAzureV2DiskInput -DiskId $diskId -LogStorageAccountId $logStorageAccountId -DiskType $diskType

$disk2 = New-AzRecoveryServicesAsrInMageAzureV2DiskInput -DiskId $diskId2 -LogStorageAccountId $logStorageAccountId -DiskType $diskType2

$job = New-AzRecoveryServicesAsrReplicationProtectedItem -VMwareToAzure -Account $fabric.FabricSpecificDetails.RunAsAccounts[0] -RecoveryResourceGroupId

$RecoveryResourceGroupId `

-RecoveryAzureNetworkId $RecoveryAzureNetworkId -name $name -ProcessServer $fabric.FabricSpecificDetails.ProcessServers[0] -ProtectableItem $protectableItem `

-ProtectionContainerMapping $pcm -RecoveryAzureSubnetName $RecoveryAzureSubnetName -RecoveryVmName $RecoveryVmName `

-LogStorageAccountId $LogStorageAccountId -InMageAzureV2DiskInput $disk1,$disk2

Starts the replication protected item creation operation for the specified ASR protectable item including selective disks and returns the ASR job used to track the

operation(vmWare to Azure scenario) with selected disks.

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

$job = New-AzRecoveryServicesAsrReplicationProtectedItem -VMwareToAzure -Account $fabric.FabricSpecificDetails.RunAsAccounts[0] -RecoveryResourceGroupId

$RecoveryResourceGroupId `

-RecoveryAzureNetworkId $RecoveryAzureNetworkId -name $name -ProcessServer $fabric.FabricSpecificDetails.ProcessServers[0] -ProtectableItem $protectableItem `

-ProtectionContainerMapping $pcm -RecoveryAzureSubnetName $RecoveryAzureSubnetName -RecoveryVmName $RecoveryVmName `

-LogStorageAccountId $LogStorageAccountId -DiskType Standard_LRS

Starts the replication protected item creation operation for the specified ASR protectable item with default disk type and returns the ASR job used to track the

operation(vmWare to Azure scenario).

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

$disk1 = New-AzRecoveryServicesAsrAzureToAzureDiskReplicationConfig -vhdUri $diskUri1 -RecoveryAzureStorageAccountId $recoveryAzureStorageAccountId

-LogStorageAccountId $logStorageAccountId

$disk2 = New-AzRecoveryServicesAsrAzureToAzureDiskReplicationConfig -vhdUri $diskUri2 -RecoveryAzureStorageAccountId $recoveryAzureStorageAccountId

-LogStorageAccountId $logStorageAccountId

$enableDRjob = New-AzRecoveryServicesAsrReplicationProtectedItem -AzureToAzure -AzureVmId $vmId -Name $rpiName `

-RecoveryCloudServiceId $recoveryCloudServiceId -ProtectionContainerMapping $pcm -RecoveryResourceGroupId $RecoveryResourceGroupId `

-AzureToAzureDiskReplicationConfiguration $disk1,$disk2 -DiskEncryptionVaultId $DiskEncryptionVaultId -DiskEncryptionSecretUrl $DiskEncryptionSecertUrl `

-KeyEncryptionVaultId $KeyEncryptionVaultId -KeyEncryptionKeyUrl $KeyEncryptionKeyUrl

Starts the replication protected item creation operation for the specified VmId and returns the ASR job used to track the operation (Azure to Azure scenario).For the

failover VM details passed in cmdlet for encryption will be used .

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

$job = New-AzRecoveryServicesAsrReplicationProtectedItem -AzureToAzure

-AzureToAzureDiskReplicationConfiguration disk1,disk2 -AzureVmId $vmId `

-Name "a2aprotectedItem" -ProtectionContainerMapping $pcmMapping -RecoveryResourceGroupId $recoveryResourceGroup -RecoveryProximityPlacementGroupId $ppg

Starts the replication protected item creation operation for a Virtual Machine inside Proximity placement group and returns the ASR job used to track the operation

(Azure to Azure scenario).

---------- Example 9 ----------

$job = New-AzRecoveryServicesAsrReplicationProtectedItem -AzureToAzure -AzureToAzureDiskReplicationConfiguration disk1,disk2 -AzureVmId $vmId `

-Name "a2aprotectedItem" -ProtectionContainerMapping $pcmMapping -RecoveryResourceGroupId $recoveryResourceGroup -RecoveryVirtualMachineScaleSetId $vmss

Starts the replication protected item creation operation for a Virtual Machine with target virtual machine scale set configured and returns the ASR job used to track

the operation (Azure to Azure scenario).

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.recoveryservices/new-azrecoveryservicesasrreplicationprotecteditem

Get-AzRecoveryServicesAsrReplicationProtectedItem

Remove-AzRecoveryServicesAsrReplicationProtectedItem

Set-AzRecoveryServicesAsrReplicationProtectedItem