



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

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

NAME

New-AzRecoveryServicesAsrPolicy

SYNOPSIS

Creates an Azure Site Recovery replication policy.

SYNTAX

```
New-AzRecoveryServicesAsrPolicy [[-VmmToVmm]] [-ApplicationConsistentSnapshotFrequencyInHours <System.Int32>]
[-Authentication {Certificate | Kerberos}] [-Compression
                                {Enable          |          Disable}] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name <System.String>

                                [-NumberOfRecoveryPointsToRetain <System.Int32>] [-ReplicaDeletion {Required | NotRequired}]
-ReplicationFrequencyInSeconds {30 | 300 | 900} [-ReplicationMethod
{Online | Offline}] -ReplicationPort <System.UInt16> -ReplicationProvider {HyperVReplica2012R2 | HyperVReplica2012 |
HyperVReplicaAzure} [-ReplicationStartTime
<System.Nullable`1[System.TimeSpan]>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

New-AzRecoveryServicesAsrPolicy [-ApplicationConsistentSnapshotFrequencyInHours <System.Int32>] -AzRecoveryServicesAsrPolicy

[-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-MultiVmSyncStatus
{Enable | Disable}] -Name <System.String>
-RecoveryPointRetentionInHours <System.Int32> [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzRecoveryServicesAsrPolicy [-AzureToVMware] [-ApplicationConsistentSnapshotFrequencyInHours
<System.Int32>] [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-MultiVmSyncStatus
{Enable | Disable}] -Name <System.String>
-RecoveryPointRetentionInHours <System.Int32> -RPOWarningThresholdInMinutes <System.Int32> [-Confirm] [-WhatIf]
[<CommonParameters>]

New-AzRecoveryServicesAsrPolicy [[-HyperVToAzure]] [-ApplicationConsistentSnapshotFrequencyInHours
<System.Int32>] [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name
<System.String> [-NumberOfRecoveryPointsToRetain <System.Int32>]

[-RecoveryAzureStorageAccountId <System.String>] -ReplicationFrequencyInSeconds {30 | 300 | 900}
-ReplicationProvider {HyperVReplica2012R2 | HyperVReplica2012 |

HyperVReplicaAzure} [-ReplicationStartTime <System.Nullable`1[System.TimeSpan]>] [-Confirm] [-WhatIf]
[<CommonParameters>]

New-AzRecoveryServicesAsrPolicy [-VMwareToAzure] [-ApplicationConsistentSnapshotFrequencyInHours
<System.Int32>] [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-MultiVmSyncStatus
{Enable | Disable}] -Name <System.String>

-RecoveryPointRetentionInHours <System.Int32> -RPOWarningThresholdInMinutes <System.Int32> [-Confirm] [-WhatIf]
[<CommonParameters>]

New-AzRecoveryServicesAsrPolicy [-ReplicateVMwareToAzure] [-ApplicationConsistentSnapshotFrequencyInHours
<System.Int32>] [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-MultiVmSyncStatus
{Enable | Disable}] -Name <System.String>

-RecoveryPointRetentionInHours <System.Int32> [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The `New-AzRecoveryServicesAsrPolicy` cmdlet creates an Azure Site Recovery replication policy. The replication policy is used to specify replication settings such as the replication frequency and number of recovery points.

PARAMETERS

`-ApplicationConsistentSnapshotFrequencyInHours <System.Int32>`

Specifies the frequency(in hours) at which to create application consistent recovery points.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

`-Authentication <System.String>`

Specifies the type of authentication used. Valid values are:

- Certificate

- Kerberos

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

`-AzureToAzure <System.Management.Automation.SwitchParameter>`

Switch parameter specifies the scenario for azure to azure policy creation.

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

-AzureToVMware <System.Management.Automation.SwitchParameter>

Switch parameter specifies the scenario for azure to vMWare policy creation.

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

-Compression <System.String>

Specifies if compression should be enabled.

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

-HyperVToAzure <System.Management.Automation.SwitchParameter>

Switch parameter to specify policy is to be used to replicate Hyper-V virtual machines to Azure

Required? false

Position? 0

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-MultiVmSyncStatus <System.String>

Specifies multiVm sync status for the policy.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

Specifies the name of the ASR replication policy.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-NumberOfRecoveryPointsToRetain <System.Int32>

Specifies the number recovery points to retain.

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

-RecoveryPointRetentionInHours <System.Int32>

Retain the recovery points for given time in hours.

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

-ReplicaDeletion <System.String>

Specifies if the replica virtual machine should be deleted on disabling replication from a VMM managed site to another.

Required? false
Position? named
Default value None
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

-ReplicationFrequencyInSeconds <System.String>

Specifies the replication frequency interval in seconds. Valid values are:

- 30

- 300

- 900

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

-ReplicationMethod <System.String>

Specifies the replication method. Valid values are:

- Online

- Offline

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

Accept wildcard characters? false

-ReplicationPort <System.UInt16>

Specifies the port used for replication.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ReplicationProvider <System.String>

Specifies the replication provider for the policy.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ReplicationStartTime <System.Nullable`1[System.TimeSpan]>

Specifies the replication start time. It must be no later than 24-hours from the start of the job.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RPOWarningThresholdInMinutes <System.Int32>

The RPO threshold value in minutes to warn on.

Required? true

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

-VmmToVmm <System.Management.Automation.SwitchParameter>

Switch parameter to specify policy is to be used to replicate between Hyper-V sites managed by a VMM server.

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

-VMwareToAzure <System.Management.Automation.SwitchParameter>

Switch parameter specifying that the replication policy being created will be used to replicate VMware virtual machines and/or Physical servers 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>).

INPUTS

None

OUTPUTS

Microsoft.Azure.Commands.RecoveryServices.SiteRecovery.ASRJob

NOTES

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

-ReplicationFrequencyInSeconds 30 -NumberOfRecoveryPointsToRetain 10

Starts the replication policy creation operation using the specified parameters and returns the ASR job used to track the operation.

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

New-AzRecoveryServicesAsrPolicy -Name "abc122" -ReplicationProvider HyperVReplica2012R2
-ReplicationFrequencyInSeconds 300 -ReplicationPort 211

Name : 1c609a5b-324e-461c-866f-ad58f944df25
ID :
/Subscriptions/xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx/resourceGroups/xxxxxxxxxx/providers/Microsoft.RecoveryService
s/vaults/xxxxxxxxxx/replication
Jobs/1c609a5b-324e-461c-866f-ad58f944df25
Type :
JobType : AddProtectionProfile
DisplayName : Create replication policy
ClientRequestId : b10c83ee-fee2-42d4-ad1d-dfc3e166faab ActivityId: 67e8453c-fae0-465f-801c-dfa2e6e6ee23
State : Succeeded
StateDescription : Completed
StartTime : 8/29/2017 10:18:10 AM
EndTime : 8/29/2017 10:18:11 AM
TargetObjectId : bb8e8c57-221d-5668-9d82-b15a3e19a6a3
TargetObjectType : ProtectionProfile
TargetObjectName : abc122
AllowedActions :
Tasks : {Prerequisites check for creating the replication policy, Creating the replication policy}
Errors : {}

Starts the replication policy creation operation using the specified parameters and returns the ASR job used to track the operation.

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

```
$Job = New-AzRecoveryServicesAsrPolicy -Name $TestPolicy1 -AzureToAzure -RecoveryPointRetentionInHours 10  
-ApplicationConsistentSnapshotFrequencyInHours 5  
Get-AzRecoveryServicesAsrJob -name $Job.id
```

Starts the replication policy creation operation using the specified parameters and returns the ASR job used to track the operation.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.recoveryservices/new-azrecoveryservicesasrpolicy>

Get-AzRecoveryServicesAsrPolicy

Remove-AzRecoveryServicesAsrPolicy