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

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

NAME

New-AzDataProtectionBackupPolicy

SYNOPSIS

Creates a new backup policy in a given backup vault

SYNTAX

New-AzDataProtectionBackupPolicy -ResourceGroupName <String> -VaultName <String> -Name <String> -Policy <IBackupPolicy> [-SubscriptionId <String>] [-DefaultProfile

<PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential <PSCredential>]

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

DESCRIPTION

Creates a new backup policy in a given backup vault

PARAMETERS

-ResourceGroupName <String>

Resource Group Name

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-VaultName <String>

Vault Name

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Name <String>

Policy Name

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Policy <IBackupPolicy>

Policy Request Object

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

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SubscriptionId <String>

Subscription Id

Required? false

Position? named

Default value

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

-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

-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

OUTPUTS

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

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.

POLICY <IBackupPolicy>: Policy Request Object

DatasourceType <String[]>: Type of datasource for the backup management

ObjectType <String>:

PolicyRule <IBasePolicyRule[]>: Policy rule dictionary that contains rules for each backuptype i.e Full/Incremental/Logs etc

Name <String>:

ObjectType <String>:

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

DataStoreType <DataStoreTypes>: type of datastore; Operational/Vault/Archive

TriggerObjectType <String>: Type of the specific object - used for deserializing

Lifecycle <ISourceLifeCycle[]>:

DeleteAfterDuration <String>: Duration of deletion after given timespan

DeleteAfterObjectType <String>: Type of the specific object - used for deserializing

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

SourceDataStoreType <DataStoreTypes>: type of datastore; Operational/Vault/Archive

[TargetDataStoreCopySetting <ITargetCopySetting[]>]:

CopyAfterObjectType <String>: Type of the specific object - used for deserializing

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

DataStoreType <DataStoreTypes>: type of datastore; Operational/Vault/Archive

[BackupParameterObjectType <String>]: Type of the specific object - used for deserializing

[IsDefault <Boolean?>]:

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

PS C:\>$defaultPol = Get-AzDataProtectionPolicyTemplate -DatasourceType AzureDisk

New-AzDataProtectionBackupPolicy -SubscriptionId "xxxx-xxx-xxx" -ResourceGroupName sarath-rg -VaultName sarath-vault -Name "MyPolicy" -Policy $defaultPol

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

PS C:\>$defaultPol = Get-AzDataProtectionPolicyTemplate -DatasourceType AzureDatabaseForPostgreSQL

$lifeCycleVault = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore VaultStore -SourceRetentionDurationType Months -SourceRetentionDurationCount 3
-TargetDataStore ArchiveStore -CopyOption CopyOnExpiryOption
$lifeCycleArchive = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore ArchiveStore -SourceRetentionDurationType Months -SourceRetentionDurationCount
6
Edit-AzDataProtectionPolicyRetentionRuleClientObject -Policy $defaultPol -Name Default -LifeCycles $lifeCycleVault, $lifeCycleArchive -IsDefault $true
$schDates = @(
(
(Get-Date -Year 2021 -Month 08 -Day 18 -Hour 10 -Minute 0 -Second 0)
),
(
(Get-Date -Year 2021 -Month 08 -Day 22 -Hour 10 -Minute 0 -Second 0)
))

$trigger = New-AzDataProtectionPolicyTriggerScheduleClientObject -ScheduleDays $schDates -IntervalType Weekly -IntervalCount 1
Edit-AzDataProtectionPolicyTriggerClientObject -Schedule $trigger -Policy $defaultPol
$lifeCycleVault = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore VaultStore -SourceRetentionDurationType Months -SourceRetentionDurationCount 6
-TargetDataStore ArchiveStore -CopyOption CopyOnExpiryOption
$lifeCycleArchive = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore ArchiveStore

-SourceRetentionDurationType Months -SourceRetentionDurationCount

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Edit-AzDataProtectionPolicyRetentionRuleClientObject -Policy $defaultPol -Name Monthly -LifeCycles $lifeCycleVault, $lifeCycleArchive -IsDefault $false

$tagCriteria = New-AzDataProtectionPolicyTagCriteriaClientObject -AbsoluteCriteria FirstOfMonth

Edit-AzDataProtectionPolicyTagClientObject -Policy $defaultPol -Name Monthly -Criteria $tagCriteria

New-AzDataProtectionBackupPolicy -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName" -Name

"newOSSPolicy" -Policy $defaultPol

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

PS C:\>$defaultPol = Get-AzDataProtectionPolicyTemplate -DatasourceType AzureKubernetesService

$schDate = @(

(

(Get-Date -Year 2023 -Month 03 -Day 18 -Hour 16 -Minute 0 -Second 0)

))

$trigger = New-AzDataProtectionPolicyTriggerScheduleClientObject -ScheduleDays $schDate -IntervalType Daily -IntervalCount 1

Edit-AzDataProtectionPolicyTriggerClientObject -Schedule $trigger -Policy $defaultPol

$lifeCycleDaily = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore OperationalStore -SourceRetentionDurationType Days -SourceRetentionDurationCount

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$lifeCycleWeekly = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore OperationalStore -SourceRetentionDurationType Weeks

-SourceRetentionDurationCount 9

Edit-AzDataProtectionPolicyRetentionRuleClientObject -Policy $defaultPol -Name Daily -LifeCycles $lifeCycleDaily -IsDefault $false

Edit-AzDataProtectionPolicyRetentionRuleClientObject -Policy $defaultPol -Name Weekly -LifeCycles $lifeCycleWeekly

-IsDefault $false

$tagCriteriaDaily = New-AzDataProtectionPolicyTagCriteriaClientObject -AbsoluteCriteria FirstOfDay

Edit-AzDataProtectionPolicyTagClientObject -Policy $defaultPol -Name Daily -Criteria $tagCriteriaDaily

$tagCriteriaWeekly = New-AzDataProtectionPolicyTagCriteriaClientObject -AbsoluteCriteria FirstOfWeek

Edit-AzDataProtectionPolicyTagClientObject -Policy $defaultPol -Name Weekly -Criteria $tagCriteriaWeekly

$newPolicy = New-AzDataProtectionBackupPolicy -ResourceGroupName "resourceGroupName" -VaultName "vaultName" -Name "newAKSPolicy" -Policy $defaultPol -SubscriptionId

"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"

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

PS C:\>$defaultPol = Get-AzDataProtectionPolicyTemplate -DatasourceType AzureBlob

Edit-AzDataProtectionPolicyTriggerClientObject -Policy $defaultPol -RemoveSchedule

$lifeCycleOperationalTier = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore OperationalStore -SourceRetentionDurationType Days

-SourceRetentionDurationCount 30

Edit-AzDataProtectionPolicyRetentionRuleClientObject -Policy $defaultPol -Name Default -LifeCycles $lifeCycleOperationalTier -IsDefault $true -OverwriteLifeCycle $true

$opPolicy = New-AzDataProtectionBackupPolicy -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName"

-Name "operationalPolicyName" -Policy $defaultPol

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

PS C:\>$defaultPol = Get-AzDataProtectionPolicyTemplate -DatasourceType AzureBlob

$lifeCycleVaultTierWeekly = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore VaultStore -SourceRetentionDurationType Weeks

-SourceRetentionDurationCount 4

Edit-AzDataProtectionPolicyRetentionRuleClientObject -Policy $defaultPol -Name Weekly -LifeCycles $lifeCycleVaultTierWeekly -IsDefault $false

$tagCriteria = New-AzDataProtectionPolicyTagCriteriaClientObject -AbsoluteCriteria FirstOfWeek

Edit-AzDataProtectionPolicyTagClientObject -Policy $defaultPol -Name Weekly -Criteria $tagCriteria

$vaultedPolicy = New-AzDataProtectionBackupPolicy -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName "vaultName"

-Name "vaultedPolicyName" -Policy $defaultPol

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

PS C:\>$defaultPol = Get-AzDataProtectionPolicyTemplate -DatasourceType AzureBlob

$lifeCycleOperationalTier = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore OperationalStore -SourceRetentionDurationType Days

-SourceRetentionDurationCount 30

Edit-AzDataProtectionPolicyRetentionRuleClientObject -Policy $defaultPol -Name Default -LifeCycles $lifeCycleOperationalTier -IsDefault $true -OverwriteLifeCycle

$false

$lifeCycleVaultTierWeekly = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore VaultStore -SourceRetentionDurationType Weeks

-SourceRetentionDurationCount 7

Edit-AzDataProtectionPolicyRetentionRuleClientObject -Policy $defaultPol -Name Weekly -LifeCycles $lifeCycleVaultTierWeekly -IsDefault $false

$tagCriteria = New-AzDataProtectionPolicyTagCriteriaClientObject -AbsoluteCriteria FirstOfWeek

Edit-AzDataProtectionPolicyTagClientObject -Policy $defaultPol -Name Weekly -Criteria $tagCriteria

$lifeCycleVaultTierMonthly = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore VaultStore -SourceRetentionDurationType Months

-SourceRetentionDurationCount 5

Edit-AzDataProtectionPolicyRetentionRuleClientObject -Policy $defaultPol -Name Monthly -LifeCycles $lifeCycleVaultTierMonthly -IsDefault $false

$tagCriteria = New-AzDataProtectionPolicyTagCriteriaClientObject -AbsoluteCriteria FirstOfMonth

Edit-AzDataProtectionPolicyTagClientObject -Policy $defaultPol -Name Monthly -Criteria $tagCriteria

$lifeCycleVaultTierYearly = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore VaultStore -SourceRetentionDurationType Years

-SourceRetentionDurationCount 1

Edit-AzDataProtectionPolicyRetentionRuleClientObject -Policy $defaultPol -Name Yearly -LifeCycles $lifeCycleVaultTierYearly -IsDefault $false

$tagCriteria = New-AzDataProtectionPolicyTagCriteriaClientObject -AbsoluteCriteria FirstOfYear

Edit-AzDataProtectionPolicyTagClientObject -Policy $defaultPol -Name Yearly -Criteria $tagCriteria

$scheduleDate = Get-Date

$trigger = New-AzDataProtectionPolicyTriggerScheduleClientObject -ScheduleDays $scheduleDate -IntervalType Weekly -IntervalCount 1

Edit-AzDataProtectionPolicyTriggerClientObject -Schedule $trigger -Policy $defaultPol

$defaultPol.PolicyRule[0].Trigger.ScheduleRepeatingTimeInterval[0] = "R/2023-05-09T02:30:00+01:00/P1W"

$timeZone = Get-TimeZone -ListAvailable | Where-Object { $_.Id -match "Europe" }

$defaultPol.PolicyRule[0].Trigger.ScheduleTimeZone = $timeZone[0].Id

$operationalVaultedPolicy = New-AzDataProtectionBackupPolicy -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx" -ResourceGroupName "resourceGroupName" -VaultName

"vaultName" -Name "operationalVaultedPolicyName" -Policy $defaultPol

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

PS C:\>$defaultPol = Get-AzDataProtectionPolicyTemplate -DatasourceType AzureDatabaseForPGFlexServer

$lifeCycleVault = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore VaultStore -SourceRetentionDurationType Days -SourceRetentionDurationCount 10

Edit-AzDataProtectionPolicyRetentionRuleClientObject -Policy $defaultPol -Name Default -LifeCycles $lifeCycleVault

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-IsDefault $true
        $lifeCycleVault = New-AzDataProtectionRetentionLifeCycleClientObject -SourceDataStore VaultStore
-SourceRetentionDurationType Months -SourceRetentionDurationCount 6
    Edit-AzDataProtectionPolicyRetentionRuleClientObject -Policy $defaultPol -Name Monthly -LifeCycles $lifeCycleVault
-IsDefault $false
  $schDates = @(
  (
    (Get-Date -Year 2024 -Month 03 -Day 04 -Hour 09 -Minute 0 -Second 0)
  ),
  (
    (Get-Date -Year 2024 -Month 03 -Day 05 -Hour 09 -Minute 0 -Second 0)
  ))
   $trigger = New-AzDataProtectionPolicyTriggerScheduleClientObject -ScheduleDays $schDates -IntervalType Weekly
-IntervalCount 1
  Edit-AzDataProtectionPolicyTriggerClientObject -Schedule $trigger -Policy $defaultPol
  $tagCriteria = New-AzDataProtectionPolicyTagCriteriaClientObject -MonthsOfYear January -DaysOfMonth 1,5,Last
  Edit-AzDataProtectionPolicyTagClientObject -Policy $defaultPol -Name Monthly -Criteria $tagCriteria
      $pgflexPolicy = New-AzDataProtectionBackupPolicy -SubscriptionId "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
-ResourceGroupName "resourceGroupName" -VaultName "vaultName"
  -Name "pgflex-policy" -Policy $defaultPol
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RELATED LINKS

https://learn.microsoft.com/powershell/module/az.dataprotection/new-azdataprotectionbackuppolicy