



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

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

NAME

New-AzDataProtectionBackupVault

SYNOPSIS

Creates or updates a BackupVault resource belonging to a resource group.

SYNTAX

```
New-AzDataProtectionBackupVault -ResourceGroupName <String> -VaultName <String> -Location <String>
-StorageSetting <IStorageSetting[]> [-SubscriptionId <String>]
[-ETag <String>] [-IdentityType <String>] [-AzureMonitorAlertsForAllJobFailure <AlertsState>] [-ImmutabilityState
<ImmutabilityState>] [-CrossRegionRestoreState
<CrossRegionRestoreState>] [-CrossSubscriptionRestoreState <CrossSubscriptionRestoreState>]
[-SoftDeleteRetentionDurationInDay <Double>] [-SoftDeleteState
<SoftDeleteState>] [-Tag <Hashtable>] [-IdentityUserAssignedIdentity <Hashtable>] [-CmkEncryptionState
<EncryptionState>] [-CmkInfrastructureEncryption
<InfrastructureEncryptionState>] [-CmkIdentityType <IdentityType>] [-CmkUserAssignedIdentityId <String>]
[-CmkEncryptionKeyUri <String>] [-DefaultProfile <PSObject>]
[-AsJob] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>]
[-NoWait] [-ProxyCredential <PSCredential>]
```

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

DESCRIPTION

Creates or updates a BackupVault resource belonging to a resource group.

PARAMETERS

-ResourceGroupName <String>

Resource Group Name of the backup vault

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-VaultName <String>

Name of the backup vault

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Location <String>

Resource location.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-StorageSetting <IStorageSetting[]>

Storage Settings of the vault.

Use New-AzDataProtectionBackupVaultStorageSetting Cmdlet to Create.

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

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SubscriptionId <String>

Subscription Id of the vault

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ETag <String>

Optional ETag.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-IdentityType <String>

The identityType can take values - "SystemAssigned", "UserAssigned", "SystemAssigned,UserAssigned", "None".

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

-AzureMonitorAlertsForAllJobFailure <AlertsState>

Parameter to Enable or Disable built-in azure monitor alerts for job failures.
Security alerts cannot be disabled.

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

-ImmutabilityState <ImmutabilityState>

Immutability state of the vault.
Allowed values are Disabled, Unlocked, Locked.

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

-CrossRegionRestoreState <CrossRegionRestoreState>

Cross region restore state of the vault.
Allowed values are Disabled, Enabled.

Required? false
Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CrossSubscriptionRestoreState <CrossSubscriptionRestoreState>

Cross subscription restore state of the vault.

Allowed values are Disabled, Enabled, PermanentlyDisabled.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SoftDeleteRetentionDurationInDay <Double>

Soft delete retention duration in days

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-SoftDeleteState <SoftDeleteState>

Soft delete state of the vault.

Allowed values are Off, On, AlwaysOn

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Tag <Hashtable>

Resource tags.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-IdentityUserAssignedIdentity <Hashtable>

Gets or sets the user assigned identities.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CmkEncryptionState <EncryptionState>

Enable CMK encryption state for a Backup Vault.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CmkInfrastructureEncryption <InfrastructureEncryptionState>

Enable infrastructure encryption with CMK on this vault.

Infrastructure encryption must be configured only when creating the vault.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CmkIdentityType <IdentityType>

The identity type to be used for CMK encryption - SystemAssigned or UserAssigned Identity.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CmkUserAssignedIdentityId <String>

This parameter is required if the identity type is UserAssigned.

Add the user assigned managed identity id to be used which has access permissions to the Key Vault.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CmkEncryptionKeyUri <String>

The Key URI of the CMK key to be used for encryption.

To enable auto-rotation of keys, exclude the version component from the Key URI.

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

-AsJob [<SwitchParameter>]

Required? false
Position? named
Default value False
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

-NoWait [<SwitchParameter>]

Required? false
Position? named
Default value False
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

System.Management.Automation.PSObject

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.

STORAGESETTING <IStorageSetting[]>: Storage Settings of the vault. Use New-AzDataProtectionBackupVaultStorageSetting Cmdlet to Create.

[DatastoreType <StorageSettingStoreTypes?>]: Gets or sets the type of the datastore.

[Type <StorageSettingTypes?>]: Gets or sets the type.

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

```
PS C:\>$sub = "xxxx-xxxx-xxxx"
```

```
$storagesetting = New-AzDataProtectionBackupVaultStorageSettingObject -DataStoreType VaultStore -Type  
LocallyRedundant
```

```
New-AzDataProtectionBackupVault -SubscriptionId $sub -ResourceGroupName sarath-rg -VaultName "MyVault"  
-StorageSetting $storagesetting -Location westus
```

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

```
PS C:\>$sub = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxxx"
```

```
$storagesetting = New-AzDataProtectionBackupVaultStorageSettingObject -DataStoreType VaultStore -Type  
LocallyRedundant
```

```
New-AzDataProtectionBackupVault -SubscriptionId $sub -ResourceGroupName "resourceGroupName" -VaultName
"vaultName" -Location westus -StorageSetting $storagesetting

-CrossSubscriptionRestoreState Enabled -ImmutabilityState Unlocked -SoftDeleteRetentionDurationInDay 100
-SoftDeleteState On
```

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

```
PS C:\>$storagesetting = New-AzDataProtectionBackupVaultStorageSettingObject -DataStoreType VaultStore -Type
LocallyRedundant
```

```
$userAssignedIdentity = @{
```

```
"/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourcegroups/samplerg/providers/Microsoft.ManagedIdentity/user
```

```
AssignedIdentities/sampleuami" = @{
```

```
    clientId = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
```

```
    principalId = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
```

```
}
```

```
"/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourcegroups/samplerg/providers/Microsoft.ManagedIdentity/user
```

```
AssignedIdentities/sampleuami2" = @{
```

```
    clientId = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
```

```
    principalId = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
```

```
}
```

```
}
```

```
$cmkIdentityId =
```

```
"/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourcegroups/samplerg/providers/Microsoft.ManagedIdentity/user
```

```
AssignedIdentities/sampleuami"
```

```
$cmkKeyUri = "https://samplekvazbckp.vault.azure.net/keys/testkey/3cd5235ad6ac4c11b40a6f35444bcbe1" Page 12/13
```

```
New-AzDataProtectionBackupVault -SubscriptionId xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx -ResourceGroupName
"resourceGroupName" -VaultName "vaultName" -Location
"location" -StorageSetting $storagesetting -IdentityType UserAssigned -UserAssignedIdentity $userAssignedIdentity
-CmkEncryptionState Enabled -CmkIdentityType
UserAssigned -CmkUserAssignedIdentityId $cmkIdentityId -CmkEncryptionKeyUri $cmkKeyUri
-CmkInfrastructureEncryption Enabled
```

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.dataprotection/new-azdataprotectionbackupvault>