



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

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

NAME

New-AzSnapshotConfig

SYNOPSIS

Creates a configurable snapshot object.

SYNTAX

```
New-AzSnapshotConfig [[-SkuName] <System.String>] [[-OsType] {Windows | Linux}] [[-DiskSizeGB] <System.Int32>]
[[-Location] <System.String>] [-AcceleratedNetwork
    <System.Nullable`1[System.Boolean]>] [-Architecture <System.String>] [-CreateOption <System.String>]
[-DataAccessAuthMode <System.String>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DiskAccessId
<System.String>] [-DiskEncryptionKey
    <Microsoft.Azure.Management.Compute.Models.KeyVaultAndSecretReference>] [-DiskEncryptionSetId <System.String>]
[-EdgeZone <System.String>] [-ElasticSanResourceId
    <System.String>] [-EncryptionSettingsEnabled <System.Nullable`1[System.Boolean]>] [-EncryptionType
<System.String>] [-HyperVGeneration <System.String>]
    [-ImageReference <Microsoft.Azure.Management.Compute.Models.ImageDiskReference>] [-Incremental]
[-KeyEncryptionKey
```

<Microsoft.Azure.Management.Compute.Models.KeyVaultAndKeyReference>] [-NetworkAccessPolicy <System.String>]
 [-PublicNetworkAccess <System.String>] [-PurchasePlan
 <Microsoft.Azure.Commands.Compute.Automation.Models.PSPurchasePlan>] [-SourceResourceId <System.String>]
 [-SourceUri <System.String>] [-StorageAccountId
 <System.String>] [-SupportsHibernation <System.Nullable`1[System.Boolean]>] [-Tag <System.Collections.Hashtable>]
 [-TierOption <System.String>] [-Confirm] [-WhatIf]
 [<CommonParameters>]

DESCRIPTION

The New-AzSnapshotConfig cmdlet creates a configurable snapshot object.

PARAMETERS

-AcceleratedNetwork <System.Nullable`1[System.Boolean]>

True if the image from which the OS disk is created supports accelerated networking.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Architecture <System.String>

CPU architecture supported by an OS disk. Possible values are "X64" and "Arm64".

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CreateOption <System.String>

Specifies whether this cmdlet creates a disk in the virtual machine from a platform or user image, creates an empty disk, or attaches an existing disk.

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

-DataAccessAuthMode <System.String>

Additional authentication requirements when exporting or uploading to a disk or snapshot.

Required? false
Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
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

-DiskAccessId <System.String>

Gets or sets ARM id of the DiskAccess resource for using private endpoints on.

Required? false
Position? named
Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DiskEncryptionKey <Microsoft.Azure.Management.Compute.Models.KeyVaultAndSecretReference>

Specifies the disk encryption key object on a snapshot.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DiskEncryptionSetId <System.String>

Specifies the resource Id of the disk encryption set to use for enabling encryption at rest.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DiskSizeGB <System.Int32>

Specifies the size of the disk in GB.

Required? false

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-EdgeZone <System.String>

Sets the edge zone name. If set, the query will be routed to the specified edgezone instead of the main region.

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

-ElasticSanResourceId <System.String>

Required if createOption is CopyFromSanSnapshot. This is the ARM id of the source elastic san volume snapshot.

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

-EncryptionSettingsEnabled <System.Nullable`1[System.Boolean]>

Enable encryption settings.

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

-EncryptionType <System.String>

The type of key used to encrypt the data of the disk. Available values are: 'EncryptionAtRestWithPlatformKey', 'EncryptionAtRestWithCustomerKey'

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

-HyperVGeneration <System.String>

The hypervisor generation of the Virtual Machine. Applicable to OS disks only. Allowed values are V1 and V2.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ImageReference <Microsoft.Azure.Management.Compute.Models.ImageDiskReference>

Specifies the image reference on a snapshot.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Incremental <System.Management.Automation.SwitchParameter>

Specifies an incremental snapshot. Incremental snapshots on the same disk occupy less space than full snapshots and can be diffed.

Required? false

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-KeyEncryptionKey <Microsoft.Azure.Management.Compute.Models.KeyVaultAndKeyReference>

Specifies the Key encryption key on a snapshot.

Required? false

Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-Location <System.String>

Specifies a location.

Required? false
Position? 3
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-NetworkAccessPolicy <System.String>

Network access policy defines the network access policy. Possible values include: 'AllowAll', 'AllowPrivate', 'DenyAll'

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

-OsType <System.Nullable`1[Microsoft.Azure.Management.Compute.Models.OperatingSystemTypes]>

Specifies the OS type.

Required? false
Position? 1
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-PublicNetworkAccess <System.String>

Policy for controlling export on the disk.

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

-PurchasePlan <Microsoft.Azure.Commands.Compute.Automation.Models.PSPurchasePlan>

Sets the purchase plan for the snapshot. Used for establishing the purchase context of any 3rd Party artifact through Marketplace.

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

-SkuName <System.String>

Specifies the Sku name of the storage account.

Required? false
Position? 0
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-SourceResourceId <System.String>

Specifies the source resource ID.

Required? false
Position? named
Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SourceUri <System.String>

Specifies the source Uri.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-StorageAccountId <System.String>

Specifies the storage account ID.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SupportsHibernation <System.Nullable`1[System.Boolean]>

Indicates if the OS on the snapshot supports hibernation with \$true or \$false

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Tag <System.Collections.Hashtable>

Key-value pairs in the form of a hash table. For example: @{key0="value0";key1=\$null;key2="value2"}

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

-TierOption <System.String>

When createOption CopyStart, the snapshot will be copied at a quicker speed. Possible values include: 'None', 'Enhanced'

Required? false
Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
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

System.String

System.Nullable`1[[Microsoft.Azure.Management.Compute.Models.OperatingSystemTypes, Microsoft.Azure.Management.Compute, Version=23.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35]]

System.Int32

System.Collections.Hashtable

Microsoft.Azure.Management.Compute.Models.ImageDiskReference

System.Nullable`1[[System.Boolean, System.Private.CoreLib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=7cec85d7bea7798e]]

Microsoft.Azure.Management.Compute.Models.KeyVaultAndSecretReference

Microsoft.Azure.Management.Compute.Models.KeyVaultAndKeyReference

OUTPUTS

Microsoft.Azure.Commands.Compute.Automation.Models.PSSnapshot

NOTES

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

```
$snapshotconfig = New-AzSnapshotConfig -Location 'Central US' -DiskSizeGB 5 -AccountType StandardLRS -OsType
Windows -CreateOption Empty -EncryptionSettingsEnabled
$true;
$secretUrl = 'https://myvault.vault-int.azure-int.net/secrets/123/';
                                                                    $secretId          =
'/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/ResourceGroup01/providers/Microsoft.KeyVault/v
aults/TestVault123';
$keyUrl = 'https://myvault.vault-int.azure-int.net/keys/456';
                                                                    $keyId           =
'/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/ResourceGroup01/providers/Microsoft.KeyVault/v
aults/TestVault456';
$snapshotconfig = Set-AzSnapshotDiskEncryptionKey -Snapshot $snapshotconfig -SecretUrl $secretUrl -SourceVaultId
$secretId;
$snapshotconfig = Set-AzSnapshotKeyEncryptionKey -Snapshot $snapshotconfig -KeyUrl $keyUrl -SourceVaultId
$keyId;
New-AzSnapshot -ResourceGroupName 'ResourceGroup01' -SnapshotName 'Snapshot01' -Snapshot $snapshotconfig;
```

The first command creates a local empty snapshot object with size 5GB in Standard_LRS storage account type. It also

sets Windows OS type and enables encryption

settings. The second and third commands set the disk encryption key and key encryption key settings for the snapshot object. The last command takes the snapshot object and creates a snapshot with name 'Snapshot01' in resource group 'ResourceGroup01'.

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

```
$elasticSanVolumeSnapshotResourceId =  
"/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/ResourceGroup01/providers/Microsoft.ElasticSan  
/elasticSans/sa  
n1/volumeGroups/volumegroup1/snapshots/snapshot1"  
$snapshotconfig = New-AzSnapshotConfig -Location 'France Central' -AccountType Standard_LRS -CreateOption  
CopyFromSanSnapshot -ElasticSanResourceId  
$elasticSanVolumeSnapshotResourceId  
New-AzSnapshot -ResourceGroupName 'ResourceGroup01' -SnapshotName 'Snapshot01' -Snapshot $snapshotconfig;
```

The first command creates a local empty snapshot object with a ElasticSan Volume snapshot resource Id, with CreateOption as CopyFromSanSnapshot. The second command takes the snapshot object and creates a snapshot with name 'Snapshot01' in resource group 'ResourceGroup01'.

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

```
New-AzSnapshotConfig -CreateOption Empty -Location 'Central US' -SourceUri  
'https://contosoaccount.blob.core.windows.net/vhdstore/win7baseimage.vhd'
```

RELATED LINKS

