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

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

NAME

New-AzDiskUpdateConfig

SYNOPSIS

Creates a configurable disk update object.

SYNTAX

New-AzDiskUpdateConfig [[-SkuName] <System.String>] [[-OsType] {Windows | Linux}] [[-DiskSizeGB] <System.Int32>] [[-Tag] <System.Collections.Hashtable>]

[-AcceleratedNetwork <System.Nullable`1[System.Boolean]>] [-Architecture <System.String>] [-BurstingEnabled <System.Nullable`1[System.Boolean]>] [-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>] [-DiskIOPSReadOnly

<System.Nullable`1[System.Int64]>] [-DiskIOPSReadWrite <System.Int32>] [-DiskMBpsReadOnly <System.Nullable`1[System.Int64]>] [-DiskMBpsReadWrite <System.Int32>]

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

[-KeyEncryptionKey

<Microsoft.Azure.Management.Compute.Models.KeyVaultAndKeyReference>] [-MaxSharesCount

<System.Nullable`1[System.Int32]>] [-NetworkAccessPolicy <System.String>]

[-PublicNetworkAccess <System.String>] [-PurchasePlan

<Microsoft.Azure.Commands.Compute.Automation.Models.PSPurchasePlan>] [-SupportsHibernation

<System.Nullable`1[System.Boolean]>] [-Tier <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzDiskUpdateConfig cmdlet creates a configurable disk update 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

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

Enables bursting beyond the provisioned performance target of the disk. Bursting is disabled by default. Does not apply

to Ultra disks.

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>

ARM id of the DiskAccess resource for using private endpoints on disks

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 disk.

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

-DiskIOPSReadOnly <System.Nullable`1[System.Int64]>

The total number of IOPS that will be allowed across all VMs mounting the shared disk as ReadOnly. One operation can transfer between 4k and 256k bytes.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DiskIOPSReadWrite <System.Int32>

The number of IOPS allowed for this disk; only settable for UltraSSD disks. One operation can transfer between 4k and 256k bytes.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DiskMBpsReadOnly <System.Nullable`1[System.Int64]>

The total throughput (MBps) that will be allowed across all VMs mounting the shared disk as ReadOnly. MBps means millions of bytes per second - MB here uses the

ISO notation, of powers of 10.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DiskMBpsReadWrite <System.Int32>

The bandwidth allowed for this disk; only settable for UltraSSD disks. MBps means millions of bytes per second - MB here uses the ISO notation, of powers of 10.

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

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

Enable encryption settings on the disk

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

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

Specifies the Key encryption key on a disk.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-MaxSharesCount <System.Nullable`1[System.Int32]>

The maximum number of VMs that can attach to the disk at the same time. Value greater than one indicates a disk that can be mounted on multiple VMs at the same

time.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-NetworkAccessPolicy <System.String>

Policy for accessing the disk via network. Available values are: AllowAll, AllowPrivate, DeyAll

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 disk. 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. Available values are Standard_LRS, Premium_LRS, StandardSSD_LRS, and UltraSSD_LRS. UltraSSD_LRS can only be used

with Empty value for CreateOption parameter.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

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

Indicates if the OS on the disk 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? 3

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Tier <System.String>

Performance tier of the disk.

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

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.PSDiskUpdate

NOTES

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

$diskupdateconfig = New-AzDiskUpdateConfig -DiskSizeGB 10 -SkuName Premium_LRS -OsType Windows -EncryptionSettingsEnabled $true;

$secretUrl = 'https://myvault.vault-int.azure-int.net/secrets/123/';

$secretId = '/subscriptions/0000000-0000-0000-0000-000000000000/resourceGroups/ResourceGroup01/providers/Microsoft.KeyVault/vaults/TestVault123';

$keyUrl = 'https://myvault.vault-int.azure-int.net/keys/456';

$keyId = '/subscriptions/0000000-0000-0000-0000-000000000000/resourceGroups/ResourceGroup01/providers/Microsoft.KeyVault/vaults/TestVault456';

$diskupdateconfig = Set-AzDiskUpdateDiskEncryptionKey -DiskUpdate $diskupdateconfig -SecretUrl $secretUrl -SourceVaultId $secretId;

$diskupdateconfig = Set-AzDiskUpdateKeyEncryptionKey -DiskUpdate $diskupdateconfig -KeyUrl $keyUrl -SourceVaultId $keyId;

Update-AzDisk -ResourceGroupName 'ResourceGroup01' -DiskName 'Disk01' -DiskUpdate $diskupdateconfig;

The first command creates a local empty disk update object with size 10GB in Premium_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 disk update object. The last command takes the disk update

object and updates an existing disk with name 'Disk01' in resource group 'ResourceGroup01'.

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

New-AzDiskUpdateConfig -DiskSizeGB 10 | Update-AzDisk -ResourceGroupName 'ResourceGroup01' -DiskName 'Disk01';

This command updates an existing disk with name 'Disk01' in resource group 'ResourceGroup01' to 10 GB disk size.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.compute/new-azdiskupdateconfig