



Windows PowerShell Get-Help on Cmdlet 'Update-AzSqlVM'

PS:\>Get-HELP Update-AzSqlVM -Full

NAME

Update-AzSqlVM

SYNOPSIS

Updates a SQL virtual machine.

SYNTAX

```
Update-AzSqlVM -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] [-LicenseType
<SqlServerLicenseType>] [-Offer <String>] [-Sku <SqlImageSku>]
[-SqlManagementType <SqlManagementMode>] [-Tag <Hashtable>] [-AutoBackupSettingBackupScheduleType
<BackupScheduleType>] [-AutoBackupSettingBackupSystemDb]
[-AutoBackupSettingDaysOfWeek <AutoBackupDaysOfWeek[]>] [-AutoBackupSettingEnable]
[-AutoBackupSettingEnableEncryption] [-AutoBackupSettingFullBackupFrequency
<FullBackupFrequencyType>] [-AutoBackupSettingFullBackupStartTime <Int32>]
[-AutoBackupSettingFullBackupWindowHour <Int32>] [-AutoBackupSettingLogBackupFrequency
<Int32>] [-AutoBackupSettingPassword <SecureString>] [-AutoBackupSettingRetentionPeriod <Int32>]
[-AutoBackupSettingStorageAccessKey <String>]
[-AutoBackupSettingStorageAccountUrl <String>] [-AutoBackupSettingStorageContainerName <String>]
[-AutoPatchingSettingDayOfWeek <DayOfWeek>]
```

[-AutoPatchingSettingEnable] [-AutoPatchingSettingMaintenanceWindowDuration <Int32>]
 [-AutoPatchingSettingMaintenanceWindowStartingHour <Int32>]
 [-AssessmentSettingEnable] [-AssessmentSettingRunImmediately] [-ScheduleDayOfWeek <AssessmentDayOfWeek>]
 [-ScheduleEnable] [-ScheduleMonthlyOccurrence <Int32>]
 [-ScheduleStartTime <String>] [-ScheduleWeeklyInterval <Int32>] [-SqlVirtualMachineGroupResourceId <String>]
 [-VirtualMachineResourceId <String>]
 [-WsfcDomainCredentialsClusterBootstrapAccountPassword <SecureString>]
 [-WsfcDomainCredentialsClusterOperatorAccountPassword <SecureString>]
 [-WsfcDomainCredentialsSqlServiceAccountPassword <SecureString>] [-WsfcStaticIP <String>]
 [-EnableAutomaticUpgrade] [-DefaultProfile <PSObject>] [-AsJob] [-Break]
 [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>]
 [-ProxyCredential <PSCredential>]
 [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

 Update-AzSqlVM -InputObject <ISqlVirtualMachineIdentity> [-LicenseType <SqlServerLicenseType>] [-Offer <String>]
 [-Sku <SqlImageSku>] [-SqlManagementType
 <SqlManagementMode>] [-Tag <Hashtable>] [-AutoBackupSettingBackupScheduleType <BackupScheduleType>]
 [-AutoBackupSettingBackupSystemDb] [-AutoBackupSettingDaysOfWeek
 <AutoBackupDaysOfWeek[]>] [-AutoBackupSettingEnable] [-AutoBackupSettingEnableEncryption]
 [-AutoBackupSettingFullBackupFrequency <FullBackupFrequencyType>]
 [-AutoBackupSettingFullBackupStartTime <Int32>] [-AutoBackupSettingFullBackupWindowHour <Int32>]
 [-AutoBackupSettingLogBackupFrequency <Int32>]
 [-AutoBackupSettingPassword <SecureString>] [-AutoBackupSettingRetentionPeriod <Int32>]
 [-AutoBackupSettingStorageAccessKey <String>]
 [-AutoBackupSettingStorageAccountUrl <String>] [-AutoBackupSettingStorageContainerName <String>]
 [-AutoPatchingSettingDayOfWeek <DayOfWeek>]
 [-AutoPatchingSettingEnable] [-AutoPatchingSettingMaintenanceWindowDuration <Int32>]
 [-AutoPatchingSettingMaintenanceWindowStartingHour <Int32>]
 [-AssessmentSettingEnable] [-AssessmentSettingRunImmediately] [-ScheduleDayOfWeek <AssessmentDayOfWeek>]
 [-ScheduleEnable] [-ScheduleMonthlyOccurrence <Int32>]
 [-ScheduleStartTime <String>] [-ScheduleWeeklyInterval <Int32>] [-SqlVirtualMachineGroupResourceId <String>]
 [-VirtualMachineResourceId <String>]
 [-WsfcDomainCredentialsClusterBootstrapAccountPassword <SecureString>]

[-WsfcDomainCredentialsClusterOperatorAccountPassword <SecureString>
 [-WsfcDomainCredentialsSqlServiceAccountPassword <SecureString>] [-WsfcStaticIP <String>
 [-EnableAutomaticUpgrade] [-DefaultProfile <PSObject>] [-AsJob] [-Break]
 [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>
 [-ProxyCredential <PSCredential>
 [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION

Updates a SQL virtual machine.

PARAMETERS

-Name <String>

Name of the SQL virtual machine.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ResourceGroupName <String>

Name of the resource group that contains the resource.

You can obtain this value from the Azure Resource Manager API or the portal.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SubscriptionId <String>

Subscription ID that identifies an Azure subscription.

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

-InputObject <ISqlVirtualMachineIdentity>

Identity Parameter

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

Required? true
Position? named
Default value
Accept pipeline input? true (ByValue)
Accept wildcard characters? false

-LicenseType <SqlServerLicenseType>

SQL Server license type.

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

-Offer <String>

SQL image offer.

Examples include SQL2016-WS2016, SQL2017-WS2016.

Required? false
Position? named
Default value

Accept pipeline input? false

Accept wildcard characters? false

-Sku <SqlImageSku>

SQL Server edition type.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SqlManagementType <SqlManagementMode>

SQL Server Management type.

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

-AutoBackupSettingBackupScheduleType <BackupScheduleType>

Backup schedule type.

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

-AutoBackupSettingBackupSystemDb [<SwitchParameter>]

Include or exclude system databases from auto backup.

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

-AutoBackupSettingDaysOfWeek <AutoBackupDaysOfWeek[]>

Days of the week for the backups when FullBackupFrequency is set to Weekly.

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

-AutoBackupSettingEnable [<SwitchParameter>]

Enable or disable autobackup on SQL virtual machine.

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

-AutoBackupSettingEnableEncryption [<SwitchParameter>]

Enable or disable encryption for backup on SQL virtual machine.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-AutoBackupSettingFullBackupFrequency <FullBackupFrequencyType>

Frequency of full backups.

In both cases, full backups begin during the next scheduled time window.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AutoBackupSettingFullBackupStartTime <Int32>

Start time of a given day during which full backups can take place.

0-23 hours.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-AutoBackupSettingFullBackupWindowHour <Int32>

Duration of the time window of a given day during which full backups can take place.

1-23 hours.

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

-AutoBackupSettingLogBackupFrequency <Int32>

Frequency of log backups.
5-60 minutes.

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

-AutoBackupSettingPassword <SecureString>

Password for encryption on backup.

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

-AutoBackupSettingRetentionPeriod <Int32>

Retention period of backup: 1-90 days.

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

-AutoBackupSettingStorageAccessKey <String>

Storage account key where backup will be taken to.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AutoBackupSettingStorageAccountUrl <String>

Storage account url where backup will be taken to.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AutoBackupSettingStorageContainerName <String>

Storage container name where backup will be taken to.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AutoPatchingSettingDayOfWeek <DayOfWeek>

Day of week to apply the patch on.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AutoPatchingSettingEnable [<SwitchParameter>]

Enable or disable autopatching on SQL virtual machine.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-AutoPatchingSettingMaintenanceWindowDuration <Int32>

Duration of patching.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-AutoPatchingSettingMaintenanceWindowStartingHour <Int32>

Hour of the day when patching is initiated.

Local VM time.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-AssessmentSettingEnable [<SwitchParameter>]

Enable or disable SQL best practices Assessment feature on SQL virtual machine.

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

-AssessmentSettingRunImmediately [<SwitchParameter>]

Run SQL best practices Assessment immediately on SQL virtual machine.

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

-ScheduleDayOfWeek <AssessmentDayOfWeek>

Day of the week to run assessment.

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

-ScheduleEnable [<SwitchParameter>]

Enable or disable assessment schedule on SQL virtual machine.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	false

Accept wildcard characters? false

-ScheduleMonthlyOccurrence <Int32>

Occurrence of the DayOfWeek day within a month to schedule assessment.

Takes values: 1,2,3,4 and -1.

Use -1 for last DayOfWeek day of the month

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-ScheduleStartTime <String>

Time of the day in HH:mm format.

Eg.

17:30

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ScheduleWeeklyInterval <Int32>

Number of weeks to schedule between 2 assessment runs.

Takes value from 1-6

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-SqlVirtualMachineGroupResourceId <String>

ARM resource id of the SQL virtual machine group this SQL virtual machine is or will be part of.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-VirtualMachineResourceId <String>

ARM Resource id of underlying virtual machine created from SQL marketplace image.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-WsfcDomainCredentialsClusterBootstrapAccountPassword <SecureString>

Cluster bootstrap account password.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-WsfcDomainCredentialsClusterOperatorAccountPassword <SecureString>

Cluster operator account password.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-WsfcDomainCredentialsSqlServiceAccountPassword <SecureString>

SQL service account password.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-WsfcStaticIP <String>

Domain credentials for setting up Windows Server Failover Cluster for SQL availability group.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-EnableAutomaticUpgrade [<SwitchParameter>]

Enable automatic upgrade of Sql IaaS extension Agent.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-DefaultProfile <PSObject>

The credentials, account, tenant, and subscription used for communication with Azure.

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

-AsJob [<SwitchParameter>]

Run the command as a job

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

-Break [<SwitchParameter>]

Wait for .NET debugger to attach

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

-HttpPipelineAppend <SendAsyncStep[]>

SendAsync Pipeline Steps to be appended to the front of the pipeline

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

-HttpPipelinePrepend <SendAsyncStep[]>

SendAsync Pipeline Steps to be prepended to the front of the pipeline

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-NoWait [<SwitchParameter>]

Run the command asynchronously

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-Proxy <Uri>

The URI for the proxy server to use

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyCredential <PSCredential>

Credentials for a proxy server to use for the remote call

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyUseDefaultCredentials [<SwitchParameter>]

Use the default credentials for the proxy

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

Microsoft.Azure.PowerShell.Cmdlets.SqlVirtualMachine.Models.ISqlVirtualMachineIdentity

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.SqlVirtualMachine.Models.Api20220801Preview.ISqlVirtualMachine

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.

INPUTOBJECT <ISqlVirtualMachineIdentity>: Identity Parameter

[AvailabilityGroupListenerName <String>]: Name of the availability group listener.

[Id <String>]: Resource identity path

[ResourceGroupName <String>]: Name of the resource group that contains the resource. You can obtain this value from the Azure Resource Manager API or the portal.

[SqlVirtualMachineGroupName <String>]: Name of the SQL virtual machine group.

[SqlVirtualMachineName <String>]: Name of the SQL virtual machine.

[SubscriptionId <String>]: Subscription ID that identifies an Azure subscription.

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

```
PS C:\>Update-AzSqlVM -ResourceGroupName 'ResourceGroup01' -Name 'sqlvm1' -LicenseType 'AHUB' -Tag
@{'newkey'='newvalue'}
```

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

```
PS C:\>$sqlVM = Get-AzSqlVM -ResourceGroupName 'ResourceGroup01' -Name 'sqlvm1'
```

```
$sqlVM | Update-AzSqlVM -Sku 'Standard' -LicenseType 'AHUB'
```

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

```
PS C:\>Update-AzSqlVM -ResourceGroupName 'ResourceGroup01' -Name 'sqlvm1' -AutoBackupSettingEnable `
```

```
    -AutoBackupSettingBackupScheduleType    manual    -AutoBackupSettingFullBackupFrequency    Weekly
-AutoBackupSettingFullBackupStartTime 5 `
    -AutoBackupSettingFullBackupWindowHour    2    -AutoBackupSettingStorageAccessKey    'keyvalue'
-AutoBackupSettingStorageAccountUrl `
    'https://storagename.blob.core.windows.net/'    -AutoBackupSettingRetentionPeriod    10
-AutoBackupSettingLogBackupFrequency 60 `
    -AutoBackupSettingStorageContainerName 'storagecontainername'
```

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

```
PS C:\>Update-AzSqlVM -ResourceGroupName 'ResourceGroup01' -Name 'sqlvm1' -AutoBackupSettingEnable:$false
```

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

```
PS C:\>Update-AzSqlVM -ResourceGroupName 'ResourceGroup01' -Name 'sqlvm1' `
-AutoPatchingSettingDayOfWeek Thursday `
    -AutoPatchingSettingMaintenanceWindowDuration 120 -AutoPatchingSettingMaintenanceWindowStartingHour 3
-AutoPatchingSettingEnable
```

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

```
PS C:\>Update-AzSqlVM -ResourceGroupName 'ResourceGroup01' -Name 'sqlvm1' -AutoPatchingSettingEnable:$false
```

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

```
PS C:\>Update-AzSqlVM -ResourceGroupName 'ResourceGroup01' -Name 'sqlvm1' -AssessmentSettingEnable
```

----- EXAMPLE 8 -----

PS C:\># \$pwd is the password for cluster accounts

```
$securepwd = ConvertTo-SecureString -String $pwd -AsPlainText -Force
Update-AzSqlVM -ResourceGroupName 'ResourceGroup01' -Name 'sqlvm1' `
-SqlVirtualMachineGroupResourceId '<group resource id>' `
-WsfcDomainCredentialsClusterBootstrapAccountPassword $securepwd `
-WsfcDomainCredentialsClusterOperatorAccountPassword $securepwd `
-WsfcDomainCredentialsSqlServiceAccountPassword $securepwd
```

----- EXAMPLE 9 -----

```
PS C:\>Update-AzSqlVM -ResourceGroupName 'ResourceGroup01' -Name 'sqlvm1'
-SqlVirtualMachineGroupResourceId "
```

----- EXAMPLE 10 -----

```
PS C:\>Update-AzSqlVM -ResourceGroupName 'ResourceGroup01' -Name 'sqlvm1' -Tag @{newkey='newvalue'}
-AsJob
```

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.sqlvirtualmachine/update-azsqlvm>