



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

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

NAME

New-AzVMSqlServerAutoBackupConfig

SYNOPSIS

Creates a configuration object for SQL Server automatic backup.

SYNTAX

```
New-AzVMSqlServerAutoBackupConfig [-ResourceGroupName] <System.String> [[-Enable]] [[-RetentionPeriodInDays]
<System.Int32>] [[-EnableEncryption]]
[[[-CertificatePassword] <System.Security.SecureString>] [[-StorageUri] <System.Uri>] [[-StorageContext]
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [[-StorageKey]
<System.Security.SecureString>] [-BackupScheduleType {Manual |
Automated}] [-BackupSystemDbs] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-FullBackupFrequency
{Daily | Weekly}] [-FullBackupStartHour <System.Nullable`1[System.Int32]>] [-FullBackupWindowInHours
<System.Nullable`1[System.Int32]>] [-LogBackupFrequencyInMinutes
<System.Nullable`1[System.Int32]>] [<CommonParameters>]
```

DESCRIPTION

The New-AzVMSqlServerAutoBackupConfig cmdlet creates a configuration object for SQL Server automatic backup.

PARAMETERS

-BackupScheduleType <System.String>

Backup schedule type, manual or automated

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-BackupSystemDbs <System.Management.Automation.SwitchParameter>

Backup system databases

Required? false

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CertificatePassword <System.Security.SecureString>

Specifies a password to encrypt the certificate that is used to perform SQL Server encrypted backups.

Required? false

Position? 4

Default value None

Accept pipeline input? False

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

-Enable <System.Management.Automation.SwitchParameter>

Indicates that automated backup for the SQL Server virtual machine is enabled. If you specify this parameter, automated backup sets a backup schedule for all current and new databases. This updates your Managed Backup settings to follow this schedule.

Required?	false
Position?	1
Default value	False
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

-EnableEncryption <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet enables encryption.

Required?	false
Position?	3
Default value	False
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

-FullBackupFrequency <System.String>

Sql Server Full Backup frequency, daily or weekly

Required?	false
Position?	named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

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

Hour of the day (0-23) when the Sql Server Full Backup should start

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

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

Sql Server Full Backup window in hours

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

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

Sql Server Log Backup frequency, once every 1-60 minutes

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of the resource group of the virtual machine.

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

-RetentionPeriodInDays <System.Int32>

Specifies the number of days to retain a backup.

Required? false
Position? 2
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-StorageContext <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>

Specifies the storage account that will be used to store backups. To obtain an `AzureStorageContext` object, use the `New-AzStorageContext` cmdlet. The default is the storage account that is associated with the SQL Server virtual machine.

Required? false
Position? 5
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-StorageKey <System.Security.SecureString>

Specifies the storage key of the blob storage account.

Required? false
Position? 5
Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-StorageUri <System.Uri>

Specifies the Uniform Resource Identifier (URI) of the blob storage account.

Required? false

Position? 4

Default value None

Accept pipeline input? True (ByPropertyName)

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.Management.Automation.SwitchParameter

System.Int32

Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext

System.Uri

System.Security.SecureString

```
System.Nullable`1[[System.Int32, System.Private.CoreLib, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=7cec85d7bea7798e]]
```

OUTPUTS

Microsoft.Azure.Commands.Compute.AutoBackupSettings

NOTES

Example 1: Create an automatic backup configuration using storage URI and account key

```
$AutoBackupConfig = New-AzVMSqlServerAutoBackupConfig -Enable -RetentionPeriodInDays 10 -StorageUri
"\contoso\StorageGeneral" -StorageKey "< Storage Key for
ContosoGeneral >"
```

Enable : True

EnableEncryption : False

RetentionPeriodInDays : 10

This command creates an automatic backup configuration object by specifying storage URI and account key. Automatic backup is enabled and automatic backups are kept

for 10 days. The command stores the result in the \$AutoBackupConfig variable. You can specify this configuration item for other cmdlets, such as the

Set-AzVMSqlServerExtension cmdlet.

Example 2: Create an automatic backup configuration using storage context

```
$StorageContext = New-AzStorageContext -StorageAccountName "ContosoGeneral" -StorageAccountKey "< Storage  
Key for ContosoGeneral >"
```

```
$AutoBackupConfig = New-AzVMSqlServerAutoBackupConfig -StorageContext $StorageContext -Enable  
-RetentionPeriodInDays 10
```

Enable : True

EnableEncryption : False

RetentionPeriodInDays : 10

The first command creates a storage context, and then stores it in the \$StorageContext variable. For more information, see New-AzStorageContext. The second command

creates an automatic backup configuration object by specifying the storage context in \$StorageContext. Automatic backup is enabled and automatic backups are kept for 10 days.

Example 3: Create an automatic backup configuration using storage context with encryption and password

```
$StorageContext = New-AzVMSqlServerAutoBackupConfig -StorageContext $StorageContext -Enable  
-RetentionPeriodInDays 10 -EnableEncryption -CertificatePassword
```

```
$CertificatePassword
```

Enable : True

EnableEncryption : True

RetentionPeriodInDays : 10

This command creates and stores an automatic backup configuration object. The command specifies the storage context created in a previous example. The command enables

encryption with password. The password was previously stored as a secure string in the \$CertificatePassword variable.

To create a secure string, use the

ConvertTo-SecureString cmdlet.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.compute/new-azvmssqlserverautobackupconfig>

New-AzVMSqlServerAutoPatchingConfig

Set-AzVMSqlServerExtension