Windows PowerShell Get-Help on Cmdlet 'Set-AzSqlDatabase'

PS:\>Get-HELP Set-AzSqlDatabase -Full

NAME

Set-AzSqlDatabase

SYNOPSIS

Sets properties for a database, or moves an existing database into an elastic pool.

SYNTAX

Set-AzSqlDatabase [-ResourceGroupName] <System.String> [-ServerName] <System.String> [-DatabaseName] <System.String> [-AsJob] [-AssignIdentity]

[-AutoPauseDelayInMinutes <System.Int32>] [-BackupStorageRedundancy {Local | Zone | Geo | GeoZone}] [-ComputeModel <System.String>] [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Edition <System.String>] [-ElasticPoolName <System.String>]

[-EncryptionProtector <System.String>] [-EncryptionProtectorAutoRotation] [-FederatedClientId <System.Nullable`1[System.Guid]>] [-FreeLimitExhaustionBehavior

<System.String>] [-HighAvailabilityReplicaCount <System.Int32>] [-KeyList <System.String[]>] [-KeysToRemove <System.String[]>] [-LicenseType <System.String>]

[-MaintenanceConfigurationId <System.String>] [-ManualCutover] [-MaxSizeBytes <System.Int64>] [-MinimumCapacity <System.Double>] [-PerformCutover]

[-PreferredEnclaveType <System.String>] [-ReadScale {Disabled | Enabled}] [-RequestedServiceObjectiveName <System.String>] [-SecondaryType {Named | Geo}] [-Tags
<System.Collections.Hashtable>] [-UseFreeLimit] [-UserAssignedIdentityId <System.String[]>] [-ZoneRedundant] [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzSqlDatabase [-ResourceGroupName] <System.String> [-ServerName] <System.String> [-DatabaseName] <System.String> [-AsJob] [-AssignIdentity]
[-AutoPauseDelayInMinutes <System.Int32>] [-BackupStorageRedundancy {Local | Zone | Geo | GeoZone}] [-ComputeGeneration <System.String>] [-ComputeModel
<System.String>] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Edition <System.String>]
[-EncryptionProtector <System.String>] [-EncryptionProtectorAutoRotation] [-FederatedClientId <System.Nullable`1[System.Guid]>] [-FreeLimitExhaustionBehavior
<System.String>] [-HighAvailabilityReplicaCount <System.Int32>] [-KeyList <System.String[]>] [-KeysToRemove <System.String[]>] [-LicenseType <System.String>]
[-MaintenanceConfigurationId <System.String>] [-ManualCutover] [-MaxSizeBytes <System.Int64>] [-MinimumCapacity <System.Double>] [-PerformCutover]
[-PreferredEnclaveType <System.String>] [-ReadScale {Disabled | Enabled}] [-SecondaryType {Named | Geo}] [-Tags <System.Collections.Hashtable>] [-UseFreeLimit]
[-UserAssignedIdentityId <System.String[]>] [-VCore <System.Int32>] [-ZoneRedundant] [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzSqlDatabase [-ResourceGroupName] <System.String> [-ServerName] <System.String> [-DatabaseName] <System.String> [-AsJob] [-AssignIdentity]
[-BackupStorageRedundancy {Local | Zone | Geo | GeoZone}] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EncryptionProtector <System.String>] [-EncryptionProtectorAutoRotation] [-FederatedClientId <System.Nullable`1[System.Guid]>] [-FreeLimitExhaustionBehavior
<System.String>] [-KeyList <System.String[]>] [-KeysToRemove <System.String[]>] [-MaintenanceConfigurationId <System.String>] [-ManualCutover] -NewName
<System.String> [-PerformCutover] [-PreferredEnclaveType <System.String>] [-SecondaryType {Named | Geo}] [-UseFreeLimit] [-UserAssignedIdentityId <System.String[]>]

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

DESCRIPTION

The Set-AzSqlDatabase cmdlet sets properties for a database in Azure SQL Database. This cmdlet can modify the service tier (Edition), performance level (RequestedServiceObjectiveName), and storage max size (MaxSizeBytes) for the database. In addition, you can specify the ElasticPoolName parameter to move a database into an elastic pool. If a database is already in an elastic pool, you can use the RequestedServiceObjectiveName parameter to move the database out of an elastic pool and into a performance level for single databases.

PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background

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

-AssignIdentity <System.Management.Automation.SwitchParameter>

Generate and assign a Microsoft Entra identity for this database for use with key management services like Azure KeyVault.

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

-AutoPauseDelayInMinutes <System.Int32>

The auto pause delay in minutes for database (serverless only), -1 to opt out

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-BackupStorageRedundancy <System.String>

The Backup storage redundancy used to store backups for the SQL Database. Options are: Local, Zone, Geo and GeoZone. To know the options supported by each edition of the database, see Get-AzSqlCapability (https://learn.microsoft.com/en-us/powershell/module/az.sql/get-azsqlcapability).

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ComputeGeneration <System.String>

The compute generation to assign.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ComputeModel <System.String>

Computed model of Azure Sql database. Serverless or Provisioned

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DatabaseName <System.String>

Specifies the name of the database.

Required? true

Position? 2

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

-Edition <System.String>

Specifies the edition for the database. The acceptable values for this parameter are: - None

- Basic

- Standard

- Premium

- DataWarehouse

- Free

- Stretch

- GeneralPurpose

- Hyperscale

- BusinessCritical

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-ElasticPoolName <System.String>

Specifies name of the elastic pool in which to move the database.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-EncryptionProtector <System.String>

The encryption protector key for SQL Database.

Required? false
Position? named
Default value None

Accept pipeline input? False

Accept wildcard characters? false

-EncryptionProtectorAutoRotation <System.Management.Automation.SwitchParameter>

The AKV Key Auto Rotation status

Required? false

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-FederatedClientId <System.Nullable`1[System.Guid]>

The federated client id for the SQL Database. It is used for cross tenant CMK scenario.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-FreeLimitExhaustionBehavior <System.String>

Exhaustion behavior of free limit database.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-HighAvailabilityReplicaCount <System.Int32>

The number of readonly secondary replicas associated with the database. For Hyperscale edition only.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-KeyList <System.String[]>

The list of AKV keys for the SQL Database.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-KeysToRemove <System.String[]>

The list of AKV keys to remove from the SQL Database.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-LicenseType <System.String>

The license type for the Azure Sql database. Possible values are: - BasePrice - Azure Hybrid Benefit (AHB) discounted pricing for existing SQL Server license

owners is applied. Database price will be discounted for existing SQL Server license owners.

- LicenseIncluded - Azure Hybrid Benefit (AHB) discount pricing for existing SQL Server license owners is not applied. Database price will include a new SQL

Server license costs.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-MaintenanceConfigurationId <System.String>

The Maintenance configuration id for the SQL Database.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ManualCutover <System.Management.Automation.SwitchParameter>

Use Manual Cutover for migrating to Hyperscale.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-MaxSizeBytes <System.Int64>

The maximum size of the Azure SQL Database in bytes.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-MinimumCapacity <System.Double>

The Minimal capacity that database will always have allocated, if not paused. For serverless Azure Sql databases only.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-NewName <System.String>

The new name to rename the database to.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PerformCutover <System.Management.Automation.SwitchParameter>

Trigger Cutover for migrating to Hyperscale.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-PreferredEnclaveType <System.String>

The preferred enclave type for the Azure Sql database. Possible values are Default and VBS.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ReadScale <Microsoft.Azure.Commands.Sql.Database.Model.DatabaseReadScale>

If enabled, connections that have application intent set to readonly in their connection string may be routed to a readonly secondary replica. This property is

only settable for Premium and Business Critical databases.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RequestedServiceObjectiveName <System.String>

Specifies the name of the service objective to assign to the database. For information about service objectives, see Azure SQL Database Service Tiers and

Performance Levels (https://learn.microsoft.com/azure/sql-database/sql-database-dtu-resource-limits-single-databases)in the Microsoft Developer Network Library.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of resource group to which the server is assigned.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SecondaryType <System.String>

The secondary type of the database if it is a secondary. Valid values are Geo and Named.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ServerName <System.String>

Specifies the name of the server that hosts the database.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Tags <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? False

Accept wildcard characters? false

-UseFreeLimit <System.Management.Automation.SwitchParameter>

Use free limit on this database.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-UserAssignedIdentityId <System.String[]>

The list of user assigned identity for the SQL Database.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VCore <System.Int32>

The Vcore number for the Azure Sql database

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ZoneRedundant <System.Management.Automation.SwitchParameter>

The zone redundancy to associate with the Azure Sql Database

Required? false

Position? named

Default value False

Accept pipeline input? False

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

OUTPUTS

Microsoft.Azure.Commands.Sql.Database.Model.AzureSqlDatabaseModel

NOTES

---- Example 1: Update a database to a Standard S0 database ----

Set-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -DatabaseName "Database01" -ServerName "Server01" -Edition "Standard" -RequestedServiceObjectiveName "S0"

ResourceGroupName : ResourceGroup01
ServerName : Server01
DatabaseName : Database01
Location : Central US
DatabaseId : a1e6bd1a-735a-4d48-8b98-afead5ef1218
Edition : Standard
CollationName : SQL_Latin1_General_CP1_CI_AS
CatalogCollation :
MaxSizeBytes : 268435456000
Status : Online
CreationDate : 7/3/2015 7:33:37 AM
CurrentServiceObjectiveId : 455330e1-00cd-488b-b5fa-177c226f28b7
CurrentServiceObjectiveName : S0
RequestedServiceObjectiveId : 455330e1-00cd-488b-b5fa-177c226f28b7
RequestedServiceObjectiveName :
ElasticPoolName :
EarliestRestoreDate :
Tags :

This command updates a database named Database01 to a Standard S0 database on a server named Server01.

--------- Example 2: Add a database to an elastic pool ---------

Set-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -DatabaseName "Database01" -ServerName "Server01" -ElasticPoolName "ElasticPool01"

ResourceGroupName : ResourceGroup01
ServerName : Server01
DatabaseName : Database01
Location : Central US
DatabaseId : a1e6bd1a-735a-4d48-8b98-afead5ef1218
Edition : Standard
CollationName : SQL_Latin1_General_CP1_CI_AS
CatalogCollation :
MaxSizeBytes : 268435456000
Status : Online
CreationDate : 7/3/2015 7:33:37 AM
CurrentServiceObjectiveId : d1737d22-a8ea-4de7-9bd0-33395d2a7419
CurrentServiceObjectiveName : ElasticPool
RequestedServiceObjectiveId : d1737d22-a8ea-4de7-9bd0-33395d2a7419
RequestedServiceObjectiveName :
ElasticPoolName : elasticpool01
EarliestRestoreDate :
Tags :

This command adds a database named Database01 to the elastic pool named ElasticPool01 hosted on the server named Server01.

----- Example 3: Modify the storage max size of a database -----

Set-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -DatabaseName "Database01" -ServerName "Server01" -MaxSizeBytes 1099511627776

ResourceGroupName : ResourceGroup01

ServerName : Server01

DatabaseName : Database01

Location : Central US

DatabaseId : a1e6bd1a-735a-4d48-8b98-afead5ef1218

Edition : Standard

CollationName : SQL_Latin1_General_CP1_CI_AS

CatalogCollation :

MaxSizeBytes : 1099511627776

Status : Online

CreationDate : 8/24/2017 9:00:37 AM

CurrentServiceObjectiveId : 789681b8-ca10-4eb0-bdf2-e0b050601b40

CurrentServiceObjectiveName : S3

RequestedServiceObjectiveId : 789681b8-ca10-4eb0-bdf2-e0b050601b40

RequestedServiceObjectiveName :

ElasticPoolName :

EarliestRestoreDate :

Tags :

This command updates a database named Database01 to set its max size to 1 TB.

Example 4: Update a existing General Purpose database to Hyperscale service tier

Set-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -DatabaseName "Database01" -ServerName "Server01" -Edition "Hyperscale" -RequestedServiceObjectiveName "HS_Gen5_2"

ResourceGroupName : ResourceGroup01

ServerName : Server01

DatabaseName : Database01

Location : Central US

DatabaseId : 56246136-839f-4171-80af-4c28142463b1

```
Edition                  : Hyperscale
CollationName            : SQL_Latin1_General_CP1_CI_AS
CatalogCollation         :
MaxSizeBytes             : -1
Status                   : Online
CreationDate             : 12/6/2020 5:34:16 PM
CurrentServiceObjectiveId     : 00000000-0000-0000-0000-000000000000
CurrentServiceObjectiveName   : HS_Gen5_2
RequestedServiceObjectiveName : HS_Gen5_2
RequestedServiceObjectiveId   :
ElasticPoolName          :
EarliestRestoreDate      : 12/6/2020 5:34:16 PM
Tags                     : {}
ResourceId               :
/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxx/resourceGroups/ResourceGroup01/providers/Microsoft.Sql/servers/Server
01/databases/Database01
CreateMode               :
ReadScale                : Enabled
ZoneRedundant            :
Capacity                 : 2
Family                   : Gen5
SkuName                  : HS_Gen5
LicenseType              : LicenseIncluded
AutoPauseDelayInMinutes  :
MinimumCapacity          :
ReadReplicaCount         : 1
BackupStorageRedundancy  : Geo
```

This command updates a database named Database01 from General Purpose to Hyperscale service tier.

Example 5: Update the preferred enclave type of a database to VBS

Set-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -DatabaseName "Database01" -ServerName "Server01" -PreferredEnclaveType "VBS"

ResourceGroupName : ResourceGroup01
ServerName : Server01
DatabaseName : Database01
Location : Central US
DatabaseId : a1e6bd1a-735a-4d48-8b98-afead5ef1218
Edition : Standard
CollationName : SQL_Latin1_General_CP1_CI_AS
CatalogCollation :
MaxSizeBytes : 1099511627776
Status : Online
CreationDate : 8/24/2017 9:00:37 AM
CurrentServiceObjectiveId : 789681b8-ca10-4eb0-bdf2-e0b050601b40
CurrentServiceObjectiveName : S3
RequestedServiceObjectiveId : 789681b8-ca10-4eb0-bdf2-e0b050601b40
PreferredEnclaveType : VBS
RequestedServiceObjectiveName :
ElasticPoolName :
EarliestRestoreDate :
Tags :

This command updates a database to configure VBS enclave on it

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.sql/set-azsqldatabase

Get-AzSqlDatabase

New-AzSqlDatabase

Remove-AzSqlDatabase

Resume-AzSqlDatabase

Suspend-AzSqlDatabase

SQL Database Documentation https://learn.microsoft.com/azure/sql-database/