



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

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

NAME

New-AzSqlInstance

SYNOPSIS

Creates an Azure SQL Managed Instance.

SYNTAX

```
New-AzSqlInstance [-Name] <System.String> [-ResourceGroupName] <System.String> [-AdministratorCredential
<System.Management.Automation.PSCredential>] [-AsJob]
[-AssignIdentity] [-BackupStorageRedundancy {Local | Zone | Geo | GeoZone}] [-Collation <System.String>]
-ComputeGeneration <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DnsZonePartner
<System.String>] -Edition <System.String>
[-EnableActiveDirectoryOnlyAuthentication] [-ExternalAdminName <System.String>] [-ExternalAdminSID
<System.Nullable`1[System.Guid]>] [-Force] [-IdentityType
<System.String>] [-InstancePoolName <System.String>] [-KeyId <System.String>] [-LicenseType <System.String>]
-Location <System.String> [-MaintenanceConfigurationId
<System.String>] [-MinimalTlsVersion {None | 1.0 | 1.1 | 1.2}] [-PrimaryUserAssignedIdentityId <System.String>]
[-ProxyOverride <System.String>]
```


-Location <System.String> [-MaintenanceConfigurationId
 <System.String>] [-MinimalTlsVersion {None | 1.0 | 1.1 | 1.2}] [-PrimaryUserAssignedIdentityId <System.String>]
 [-ProxyOverride <System.String>]
 [-PublicDataEndpointEnabled] [-ServicePrincipalType {None | SystemAssigned}] -SkuName <System.String>
 [-StorageSizeInGB <System.Int32>] -SubnetId <System.String>
 [-Tag <System.Collections.Hashtable>] [-TimezoneId <System.String>] [-UserAssignedIdentityId
 <System.Collections.Generic.List`1[System.String]>] -VCore <System.Int32>
 [-ZoneRedundant] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzSqlInstance [-InstancePoolResourceId] <System.String> [-Name] <System.String> [-AdministratorCredential
 <System.Management.Automation.PSCredential>] [-AsJob]
 [-AssignIdentity] [-BackupStorageRedundancy {Local | Zone | Geo | GeoZone}] [-Collation <System.String>]
 [-DefaultProfile
 <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DnsZonePartner
 <System.String>]
 [-EnableActiveDirectoryOnlyAuthentication] [-ExternalAdminName <System.String>] [-ExternalAdminSID
 <System.Nullable`1[System.Guid]>] [-Force] [-IdentityType
 <System.String>] [-KeyId <System.String>] [-MaintenanceConfigurationId <System.String>] [-MinimalTlsVersion {None |
 1.0 | 1.1 | 1.2}] [-PrimaryUserAssignedIdentityId
 <System.String>] [-ProxyOverride <System.String>] [-PublicDataEndpointEnabled] [-ServicePrincipalType {None |
 SystemAssigned}] [-StorageSizeInGB <System.Int32>] [-Tag
 <System.Collections.Hashtable>] [-TimezoneId <System.String>] [-UserAssignedIdentityId
 <System.Collections.Generic.List`1[System.String]>] -VCore <System.Int32>
 [-ZoneRedundant] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzSqlInstance cmdlet creates an Azure SQL Managed instance.

PARAMETERS

-AdministratorCredential <System.Management.Automation.PSCredential>

The SQL authentication credential of the instance.

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

-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 Managed instance for use with key management services like Azure KeyVault.

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

-BackupStorageRedundancy <System.String>

The Backup storage redundancy used to store backups for the Sql Azure Managed Instance. Options are: Local, Zone and Geo

Required? false
Position? named
Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Collation <System.String>

The collation of the Azure SQL Managed Instance to use.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ComputeGeneration <System.String>

The compute generation for the instance.

Required? true

Position? named

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

-DnsZonePartner <System.String>

The resource id of the partner Managed Server to inherit DnsZone property from for Managed instance creation

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

-Edition <System.String>

The edition for the instance.

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

-EnableActiveDirectoryOnlyAuthentication <System.Management.Automation.SwitchParameter>

Enable Active Directory Only Authentication on the server.

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

-ExternalAdminName <System.String>

Specifies the display name of the user, group or application which is the Microsoft Entra administrator for the server.

This display name must exist in the active
directory associated with the current subscription.

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

Accept wildcard characters? false

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

Specifies the object ID of the user, group or application which is the Microsoft Entra administrator.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Force <System.Management.Automation.SwitchParameter>

Skip confirmation message for performing the action

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-IdentityType <System.String>

Type of identity to be assigned to the server. Possible values are SystemAssigned, UserAssigned, 'SystemAssigned,UserAssigned' and None.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-InstancePool <Microsoft.Azure.Commands.Sql.Instance_Pools.Model.AzureSqlInstancePoolModel>

The instance pool parent object.

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

-InstancePoolName <System.String>

The instance pool to place this instance in.

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

-InstancePoolResourceId <System.String>

The instance pool resource id.

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

-KeyId <System.String>

The Azure Key Vault URI that is used for encryption.

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

-LicenseType <System.String>

Determines which License Type to use. Possible values are: - BasePrice - Azure Hybrid Benefit (AHB) discounted pricing for existing SQL Server license owners is applied. Managed Instance service 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. Managed Instance service price will include a new SQL Server license costs.

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

-Location <System.String>

The location in which to create the instance

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

-MaintenanceConfigurationId <System.String>

The Maintenance configuration id for the Sql Azure Managed Instance.

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

-MinimalTlsVersion <System.String>

The minimal TLS version to enforce for Managed instance

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

Instance name.

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PrimaryUserAssignedIdentityId <System.String>

The primary User Managed Identity(UMI) id.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ProxyOverride <System.String>

The connection type used for connecting to the instance.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PublicDataEndpointEnabled <System.Management.Automation.SwitchParameter>

Whether or not the public data endpoint is enabled for the instance.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

The name of the resource group.

Required? true

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ServicePrincipalType <System.String>

Type of Service Principal to be used. Possible values are SystemAssigned and None.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SkuName <System.String>

The SKU name for the instance e.g. 'GP_Gen4', 'BC_Gen4'.

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

-StorageSizeInGB <System.Int32>

Determines how much Storage size to associate with instance

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

-SubnetId <System.String>

The Subnet Id to use for instance creation

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

-Tag <System.Collections.Hashtable>

The tags to associate with the instance

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

-TimezoneId <System.String>

The time zone id for the instance to set. A list of time zone ids is exposed through the sys.time_zone_info (Transact-SQL) view.

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

-UserAssignedIdentityId <System.Collections.Generic.List`1[System.String]>

The list of user assigned identities.

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

-VCore <System.Int32>

Determines how much VCore to associate with instance

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

-ZoneRedundant <System.Management.Automation.SwitchParameter>

Use zone redundant storage

Required?	false
Position?	named

Default value False
Accept pipeline input? False
Accept wildcard characters? false

-DatabaseFormat <System.String>

The database format for the instance. Possible values are: - AlwaysUpToDate - The instance gets access to all new SQL engine features as soon as they are released in Azure. Database format keeps evolving to accommodate new features.

- SQLServer2022 - The instance keeps getting SQL engine bug fixes, security patches and small functional improvements via Cumulative Updates for SQL Server 2022 during its mainstream support period. Database format remains compatible with SQL Server 2022 during that time.

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

-PricingModel <System.String>

The pricing model for the instance.

Required? false
Position? named
Default value None
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

None

OUTPUTS

Microsoft.Azure.Commands.Sql.ManagedInstance.Model.AzureSqlManagedInstanceModel

NOTES

----- Example 1: Create a new instance -----

```
New-AzSqlInstance -Name managedInstance1 -ResourceGroupName ResourceGroup01 -Location westcentralus  
-AdministratorCredential (Get-Credential) -SubnetId
```

```
"/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtua  
lNetworks/vnet_name/subnets/subnet_name"
```

```
-LicenseType LicenseIncluded -StorageSizeInGB 1024 -VCore 16 -SkuName GP_Gen4 -DnsZonePartner
```

```
"/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedI  
nstances/partnerServerForDnsZone"
```

Location : westcentralus

Id :

```
/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedIn  
stances/managedInstance1
```

ResourceGroupName : resourcegroup01

ManagedInstanceName : managedInstance1

Tags :

Identity : Microsoft.Azure.Management.Sql.Models.ResourceIdentity

Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku

FullyQualifiedDomainName : managedInstance1.wcusxxxxxxxxxxxx.database.windows.net

AdministratorLogin : adminLogin1

AdministratorPassword :

SubnetId :

```
/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtual  
Networks/vnet_name/subnets/subnet_name
```

LicenseType : LicenseIncluded

VCores : 16

StorageSizeInGB : 1024

DnsZone : ad35cna0mw

InstancePoolName :

This command creates a new instance by using the SkuName parameter.

----- Example 2: Create a new instance -----

New-AzSqlInstance -Name managedInstance2 -ResourceGroupName ResourceGroup01 -Location westcentralus
-AdministratorCredential (Get-Credential) -SubnetId

"/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtualNetworks/vnet_name/subnets/subnet_name"

-LicenseType LicenseIncluded -StorageSizeInGB 1024 -VCore 16 -Edition "GeneralPurpose" -ComputeGeneration Gen4

Location : westcentralus

Id :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedInstances/managedInstance1

ResourceGroupName : resourcegroup01

ManagedInstanceName : managedInstance2

Tags :

Identity : Microsoft.Azure.Management.Sql.Models.ResourceIdentity

Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku

FullyQualifiedDomainName : managedInstance1.wcusxxxxxxxxxxxx.database.windows.net

AdministratorLogin : adminLogin1

AdministratorPassword :

SubnetId :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtualNetworks/vnet_name/subnets/subnet_name

LicenseType : LicenseIncluded

VCores : 16

StorageSizeInGB : 1024

DnsZone : ad35cna0mw

InstancePoolName :

This command creates a new instance by using by using Edition and ComputeGeneration parameters.

Example 3: Create a new instance in an instance pool using an instance pool object

```
$instancePool = Get-AzSqlInstancePool -ResourceGroupName resourcegroup01 -Name instancepool0
```

```
$instancePool | New-AzSqlInstance -Name managedInstance2 -AdministratorCredential (Get-Credential) -LicenseType  
LicenseIncluded -StorageSizeInGB 1024 -VCore 2
```

Location : westcentralus

Id :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedIn
stances/managedInstance1

ResourceGroupName : resourcegroup01

ManagedInstanceName : managedInstance2

Tags :

Identity : Microsoft.Azure.Management.Sql.Models.ResourceIdentity

Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku

FullyQualifiedDomainName : managedInstance1.wcusxxxxxxxxxxxx.database.windows.net

AdministratorLogin : adminLogin1

AdministratorPassword :

SubnetId :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtual
Networks/vnet_name/subnets/subnet_name

LicenseType : LicenseIncluded

VCores : 2

StorageSizeInGB : 1024

DnsZone : ad35cna0mw

InstancePoolName : instancepool0

This command creates a new instance in an instance pool using an instance pool object.

Example 4: Create a new instance in an instance pool using an instance pool resource identifier

```
New-AzSqlInstance -Name managedInstance2 -AdministratorCredential (Get-Credential) -StorageSizeInGB 1024 -VCore 2 -InstancePoolResourceId
```

```
"/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/instancePools/instancePool0"
```

Location : westcentralus

Id :

```
/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedInstances/managedInstance1
```

ResourceGroupName : resourcegroup01

ManagedInstanceName : managedInstance2

Tags :

Identity : Microsoft.Azure.Management.Sql.Models.ResourceIdentity

Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku

FullyQualifiedDomainName : managedInstance1.wcusxxxxxxxxxxxx.database.windows.net

AdministratorLogin : adminLogin1

AdministratorPassword :

SubnetId :

```
/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtualNetworks/vnet_name/subnets/subnet_name
```

LicenseType : LicenseIncluded

VCores : 2

StorageSizeInGB : 1024

DnsZone : ad35cna0mw

InstancePoolName : instancepool0

This command creates a new instance in an instance pool using the instance pool's resource identifier.

----- Example 5: Create a new instance in an instance pool -----

```
New-AzSqlInstance -Name managedInstance1 -ResourceGroupName resourceGroup01 -Location westcentralus  
-AdministratorCredential (Get-Credential) -SubnetId
```

```
"/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtua  
lNetworks/vnet_name/subnets/subnet_name"
```

```
-LicenseType LicenseIncluded -StorageSizeInGB 32 -VCore 2 -ComputeGeneration Gen5 -Edition GeneralPurpose  
-InstancePoolName instancePool0
```

Location : westcentralus

Id :

```
/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedIn  
stances/managedInstance1
```

ResourceGroupName : resourcegroup01

ManagedInstanceName : managedInstance1

Tags :

Identity : Microsoft.Azure.Management.Sql.Models.ResourceIdentity

Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku

FullyQualifiedDomainName : managedInstance1.wcusxxxxxxxxxxxx.database.windows.net

AdministratorLogin : adminLogin1

AdministratorPassword :

SubnetId :

```
/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtual  
Networks/vnet_name/subnets/subnet_name
```

LicenseType : LicenseIncluded

VCores : 2

StorageSizeInGB : 32

DnsZone : ad35cna0mw

InstancePoolName : instancePool0

This command creates a new instance in an instance pool with name instancePool0

Example 6: Create a new instance with maintenance configuration

```
New-AzSqlInstance -Name managedInstance1 -ResourceGroupName resourcegroup01 -Location "westus"
-AdministratorCredential (Get-Credential) -SubnetId
```

```
"/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtualNetworks/vnet_name/subnets/subnet_name" -VCore
```

```
8 -ComputeGeneration Gen5 -Edition GeneralPurpose -MaintenanceConfigurationId
```

```
"/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/providers/Microsoft.Maintenance/publicMaintenanceConfigurations/SQL_WestUS_MI_2"
```

Location : westus

Id :

```
/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedInstances/managedInstance1
```

ResourceGroupName : resourcegroup01

ManagedInstanceName : managedInstance1

Tags :

Identity :

Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku

FullyQualifiedDomainName : managedInstance1.wusxxxxxxxxxxxx.database.windows.net

AdministratorLogin : adminLogin1

AdministratorPassword :

SubnetId :

Networks/vnet_name/subnets/subnet_name

LicenseType : LicenseIncluded

VCores : 8

StorageSizeInGB : 256

Collation : SQL_Latin1_General_CP1_CI_AS

PublicDataEndpointEnabled : False

ProxyOverride :

TimezoneId : UTC

DnsZonePartner :

DnsZone : ad35cna0mw

InstancePoolName :

MinimalTlsVersion :

CurrentBackupStorageRedundancy : Geo

RequestedBackupStorageRedundancy : Geo

MaintenanceConfigurationId :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx/providers/Microsoft.Maintenance/publicMaintenanceConfigurations/S
QL_WestUS_MI_2

This command creates a new instance with maintenance configuration MI_2

Example 7: Create a new instance with External (Microsoft Entra ID) Administrator, Microsoft Entra-only Authentication
and no SqlAdministratorCredentials

New-AzSqlInstance -Name managedInstance2 -ResourceGroupName ResourceGroup01 -ExternalAdminName
DummyLogin -EnableActiveDirectoryOnlyAuthentication -Location
westcentralus -SubnetId

"/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtua
lNetworks/vnet_name/subnets/subnet_name"

-LicenseType LicenseIncluded -StorageSizeInGB 1024 -VCore 16 -Edition "GeneralPurpose" -ComputeGeneration Gen4

Location : westcentralus

Id :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedInstances/managedInstance1

ResourceGroupName : resourcegroup01
ManagedInstanceName : managedInstance2
Tags :
Identity : Microsoft.Azure.Management.Sql.Models.ResourceIdentity
Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku
FullyQualifiedDomainName : managedInstance1.wcusxxxxxxxxxxxx.database.windows.net
AdministratorLogin : adminLogin1
AdministratorPassword :
SubnetId :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtualNetworks/vnet_name/subnets/subnet_name

LicenseType : LicenseIncluded
VCores : 16
StorageSizeInGB : 1024
DnsZone : ad35cna0mw
InstancePoolName :
Administrators :

\$val = Get-AzSqlInstance -Name managedInstance2 -ResourceGroupName ResourceGroup01
-ExpandActiveDirectoryAdministrator
Location : westcentralus
Id :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedInstances/managedInstance1

ResourceGroupName : resourcegroup01
ManagedInstanceName : managedInstance2
Tags :
Identity : Microsoft.Azure.Management.Sql.Models.ResourceIdentity
Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku

FullyQualifiedDomainName : managedInstance1.wcusxxxxxxxxxxxxx.database.windows.net

AdministratorLogin : adminLogin1

AdministratorPassword :

SubnetId :

/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtual
Networks/vnet_name/subnets/subnet_name

LicenseType : LicenseIncluded

VCores : 16

StorageSizeInGB : 1024

DnsZone : ad35cna0mw

InstancePoolName :

Administrators : Microsoft.Azure.Management.Sql.Models.ManagedInstanceExternalAdministrator

\$val.Administrators

AdministratorType : ActiveDirectory

PrincipalType : Group

Login : DummyLogin

Sid : df7667b8-f9fd-4029-a0e3-b43c75ce9538

TenantId : f553829b-6d84-481b-86a9-42db57c1dc73

AzureADOnlyAuthentication : True

This command creates a new zone - redundant instance

----- Example 8: Create a new zone - redundant instance -----

New-AzSqlInstance -Name managedInstance1 -ResourceGroupName ResourceGroup01 -Location westcentralus
-AdministratorCredential (Get-Credential) -SubnetId

"/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtua
lNetworks/vnet_name/subnets/subnet_name"

-LicenseType LicenseIncluded -StorageSizeInGB 1024 -VCore 16 -SkuName GP_Gen4 -DnsZonePartner Page 24/28

"/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedInstances/partnerServerForDnsZone" -ZoneRedundant

Location : westcentralus

Id :

/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedInstances/managedInstance1

ResourceGroupName : resourcegroup01

ManagedInstanceName : managedInstance1

Tags :

Identity : Microsoft.Azure.Management.Sql.Models.ResourceIdentity

Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku

FullyQualifiedDomainName : managedInstance1.wcusxxxxxxxxxxxx.database.windows.net

AdministratorLogin : adminLogin1

AdministratorPassword :

SubnetId :

/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtualNetworks/vnet_name/subnets/subnet_name

LicenseType : LicenseIncluded

VCores : 16

StorageSizeInGB : 1024

DnsZone : ad35cna0mw

InstancePoolName :

ZoneRedundant : true

This command creates a new instance with external administrator properties and Microsoft Entra-only authentication enabled.

----- Example 9: Create a new instance with TDE CMK -----

New-AzSqlInstance -Name managedInstance1 -ResourceGroupName ResourceGroup01 -Location westcentralus
-AdministratorCredential (Get-Credential) -SubnetId

"/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtualNetworks/vnet_name/subnets/subnet_name"

-LicenseType LicenseIncluded -StorageSizeInGB 1024 -VCore 16 -SkuName GP_Gen4 -DnsZonePartner

"/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedInstances/partnerServerForDnsZone" -AssignIdentity

-IdentityType "UserAssigned" -PrimaryUserAssignedIdentityId

"/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.ManagedIdentity/userAssignedIdentities/identity01"

-UserAssignedIdentityId

"/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.ManagedIdentity/userAssignedIdentities/identity01" -KeyId

"https://contoso.vault.azure.net/keys/contosokey/01234567890123456789012345678901"

Location : westcentralus

Id :

"/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedInstances/managedInstance1

ResourceGroupName : resourcegroup01

ManagedInstanceName : managedInstance1

Tags :

Identity : Microsoft.Azure.Management.Sql.Models.ResourceIdentity

Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku

FullyQualifiedDomainName : managedInstance1.wcusxxxxxxxxxxxx.database.windows.net

AdministratorLogin : adminLogin1

AdministratorPassword :

SubnetId :

/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtual
Networks/vnet_name/subnets/subnet_name

LicenseType : LicenseIncluded

VCores : 16

StorageSizeInGB : 1024

DnsZone : ad35cna0mw

InstancePoolName :

KeyId : https://contoso.vault.azure.net/keys/contosokey/01234567890123456789012345678901

PrimaryUserAssignedIdentityId :

/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.ManagedIdentit
y/userAssignedIdentities/identity01

This command creates a new managed instance with TDE CMK enabled.

Example 10: Create a new instance with database format and pricing model

New-AzSqlInstance -Name managedInstance1 -ResourceGroupName ResourceGroup01 -Location westcentralus
-AdministratorCredential (Get-Credential) -SubnetId

"/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtua
lNetworks/vnet_name/subnets/subnet_name"

-LicenseType LicenseIncluded -StorageSizeInGB 1024 -VCore 16 -SkuName GP_Gen4 -DnsZonePartner

"/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedI
nstances/partnerServerForDnsZone" -DatabaseFormat

AlwaysUpToDate -PricingModel Regular

Location : westcentralus

Id :

/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedIn
stances/managedInstance1

ResourceGroupName : resourcegroup01
ManagedInstanceName : managedInstance1
Tags :
Identity : Microsoft.Azure.Management.Sql.Models.ResourceIdentity
Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku
FullyQualifiedDomainName : managedInstance1.wcusxxxxxxxxxxxxx.database.windows.net
AdministratorLogin : adminLogin1
AdministratorPassword :
SubnetId :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtual
Networks/vnet_name/subnets/subnet_name

LicenseType : LicenseIncluded
VCores : 16
StorageSizeInGB : 1024
DnsZone : ad35cna0mw
DatabaseFormat : AlwaysUpToDate
PricingModel : Regular

This command creates a new instance with external administrator properties and Microsoft Entra-only authentication enabled.

RELATED LINKS

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