



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

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

NAME

Get-AzSqlInstance

SYNOPSIS

Returns information about Azure SQL Managed Database Instance.

SYNTAX

```

Get-AzSqlInstance [-InstancePool] <Microsoft.Azure.Commands.Sql.Instance_Pools.Model.AzureSqlInstancePoolModel>
[-DefaultProfile

    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

[-ExpandActiveDirectoryAdministrator] [<CommonParameters>]

Get-AzSqlInstance [-InstancePoolName] <System.String> [-DefaultProfile

    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

[-ExpandActiveDirectoryAdministrator] -ResourceGroupName <System.String> [<CommonParameters>]

Get-AzSqlInstance [-InstancePoolResourceId] <System.String> [-DefaultProfile

    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

[-ExpandActiveDirectoryAdministrator] [<CommonParameters>]

```

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

[-ExpandActiveDirectoryAdministrator]

[-Name <System.String>] [-ResourceGroupName <System.String>] [<CommonParameters>]

Get-AzSqlInstance

[-ResourceId]

<System.String>

[-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

[-ExpandActiveDirectoryAdministrator] [<CommonParameters>]

DESCRIPTION

The Get-AzSqlInstance cmdlet returns information about one or more Azure SQL Managed Instances. Specify the name of an instance to see information for only that instance.

PARAMETERS

-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

-ExpandActiveDirectoryAdministrator <System.Management.Automation.SwitchParameter>

Expand Active Directory Administrator Information on the server.

Required?	false
Position?	named
Default value	False

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 name of the instance pool.

Required? true

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? true

-InstancePoolResourceId <System.String>

The instance pool resource identifier.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Name <System.String>

SQL instance name.

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

-ResourceGroupName <System.String>

The name of the resource group.

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

-ResourceId <System.String>

The managed instance resource identifier.

Required? true
Position? 0
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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

None

OUTPUTS

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

NOTES

-- Example 1: Get all instances assigned to a resource group --

Get-AzSqlInstance -ResourceGroupName "ResourceGroup01"

Location : westcentralus

Id :

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

LicenseType : BasePrice

VCores : 8
StorageSizeInGB : 512
ZoneRedundant : false

Location : westcentralus

Id :

/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedInstances/managedInstance2

ResourceGroupName : resourcegroup01

ManagedInstanceName : managedInstance2

Tags :

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

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

FullyQualifiedDomainName : managedInstance2.wcusxxxxxxxxxxxx.database.windows.net

AdministratorLogin : adminLogin2

AdministratorPassword :

SubnetId :

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

LicenseType : BasePrice

VCores : 8

StorageSizeInGB : 512

DnsZone : ad35cna0mw

ZoneRedundant : false

This command gets information about all instances assigned to the resource group ResourceGroup01.

----- Example 2: Get information about an instance -----

Get-AzSqlInstance -Name "managedInstance1" -ResourceGroupName "ResourceGroup01"

Location : westcentralus

Id :

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

LicenseType : BasePrice

VCores : 8

StorageSizeInGB : 512

DnsZone : ad35cna0mw

ZoneRedundant : false

This command gets information about the instance named managedInstance1.

Example 3: Get all instances assigned to a resource group using filtering

Get-AzSqlInstance -ResourceGroupName "ResourceGroup01" -Name "managedInstance*"

Location : westcentralus

Id :

/subscriptions/xxxxxxxx-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.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 : BasePrice
VCores : 8
StorageSizeInGB : 512
DnsZone : ad35cna0mw
ZoneRedundant : false

Location : westcentralus

Id :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedIn
stances/managedInstance2

ResourceGroupName : resourcegroup01
ManagedInstanceName : managedInstance2
Tags :
Identity : Microsoft.Azure.Management.Sql.Models.ResourceIdentity
Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku
FullyQualifiedDomainName : managedInstance2.wcusxxxxxxxxxxxxx.database.windows.net
AdministratorLogin : adminLogin2
AdministratorPassword :
SubnetId :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtual

Networks/vnet_name/subnets/subnet_name

LicenseType : BasePrice

VCores : 8

StorageSizeInGB : 512

DnsZone : ad35cna0mw

ZoneRedundant : false

This command gets information about all instances assigned to the resource group ResourceGroup01 that start with "managedInstance".

----- Example 4: Get all instances within an instance pool -----

Get-AzSqlInstance -ResourceGroupName "ResourceGroup01" -InstancePoolName "instancePool0"

Location : westcentralus

Id :

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

LicenseType : BasePrice

VCores : 8

StorageSizeInGB : 512

DnsZone : ad35cna0mw

InstancePoolName : instancePool0

ZoneRedundant : false

Location : westcentralus

Id :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedInstances/managedInstance2

ResourceGroupName : resourcegroup01

ManagedInstanceName : managedInstance2

Tags :

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

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

FullyQualifiedDomainName : managedInstance2.wcusxxxxxxxxxxxx.database.windows.net

AdministratorLogin : adminLogin2

AdministratorPassword :

SubnetId :

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

LicenseType : BasePrice

VCores : 8

StorageSizeInGB : 512

DnsZone : ad35cna0mw

InstancePoolName : instancePool0

ZoneRedundant : false

This command gets information about all instances within the instance pool "instancePool0".

Example 5: Get all instances within an instance pool using instance pool object

```
$instancePool = Get-AzSqlInstancePool -ResourceGroupName "ResourceGroup01" -Name "instancePool0"
```

```
Get-AzSqlInstance -InstancePool $instancePool
```

Location : westcentralus

Id :

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

LicenseType : BasePrice

VCores : 8

StorageSizeInGB : 512

DnsZone : ad35cna0mw

InstancePoolName : instancePool0

ZoneRedundant : false

Location : westcentralus

Id :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedInstances/managedInstance2

ResourceGroupName : resourcegroup01

ManagedInstanceName : managedInstance2

Tags :

Identity : Microsoft.Azure.Management.Sql.Models.ResourceIdentity
Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku
FullyQualifiedDomainName : managedInstance2.wcusxxxxxxxxxxxxx.database.windows.net
AdministratorLogin : adminLogin2
AdministratorPassword :
SubnetId :

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

LicenseType : BasePrice
VCores : 8
StorageSizeInGB : 512
DnsZone : ad35cna0mw
InstancePoolName : instancePool0
ZoneRedundant : false

This command gets information about all instances within the instance pool "instancePool0".

Example 6: Get all instances within an instance pool using instance pool resource identifier

Get-AzSqlInstance -InstancePoolResourceId

"/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/instanceP
ools/instancePool0"

Location : westcentralus
Id :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx/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 : BasePrice
VCores : 8
StorageSizeInGB : 512
DnsZone : ad35cna0mw
InstancePoolName : instancePool0
ZoneRedundant : false

Location : westcentralus
Id :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedIn
stances/managedInstance2

ResourceGroupName : resourcegroup01
ManagedInstanceName : managedInstance2
Tags :
Identity : Microsoft.Azure.Management.Sql.Models.ResourceIdentity
Sku : Microsoft.Azure.Management.Internal.Resources.Models.Sku
FullyQualifiedDomainName : managedInstance2.wcusxxxxxxxxxxxxx.database.windows.net
AdministratorLogin : adminLogin2
AdministratorPassword :
SubnetId :

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

LicenseType : BasePrice

VCores : 8
StorageSizeInGB : 512
DnsZone : ad35cna0mw
InstancePoolName : instancePool0
ZoneRedundant : false

This command gets information about all instances within the instance pool "instancePool0".

Example 7: Get a managed instance using its resource identifier

Get-AzSqlInstance -ResourceId

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

Location : westcentralus
Id :

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

LicenseType : BasePrice

VCores : 8
StorageSizeInGB : 512
DnsZone : ad35cna0mw
InstancePoolName :
ZoneRedundant : false

This command gets information about the instance named managedInstance1.

Example 8: Get all instances assigned to a resource group with external administrator information

```
$val = Get-AzSqlInstance -ResourceGroupName "ResourceGroup01" -ExpandActiveDirectoryAdministrator
```

Location : westcentralus
Id :
/subscriptions/xxxxxxxx-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/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Network/virtualNetworks/vnet_name/subnets/subnet_name
LicenseType : BasePrice
VCores : 8
StorageSizeInGB : 512
Administrators : Microsoft.Azure.Management.Sql.Models.ManagedInstanceExternalAdministrator

ZoneRedundant : false

Location : westcentralus

Id :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx/resourceGroups/resourcegroup01/providers/Microsoft.Sql/managedInstances/managedInstance2

ResourceGroupName : resourcegroup01

ManagedInstanceName : managedInstance2

Tags :

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

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

FullyQualifiedDomainName : managedInstance2.wcusxxxxxxxxxxxxx.database.windows.net

AdministratorLogin : adminLogin2

AdministratorPassword :

SubnetId :

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

LicenseType : BasePrice

VCores : 8

StorageSizeInGB : 512

DnsZone : ad35cna0mw

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

ZoneRedundant : false

\$val.Administrators

AdministratorType : ActiveDirectory

PrincipalType : Group

Login : Dummy

Sid : df7667b8-f9fd-4029-a0e3-b43c75ce9538

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

AzureADOnlyAuthentication : True

AdministratorType : ActiveDirectory
PrincipalType : Group
Login : Dummy2
Sid : df7667b8-f9fd-4029-a0e3-b43c75ce9538
TenantId : f553829b-6d84-481b-86a9-42db57c1dc73
AzureADOnlyAuthentication : True

This command gets information about all instances assigned to the resource group ResourceGroup01. .

Example 9: Get information about an instance with external administrator information

```
$val = Get-AzSqlInstance -Name "managedInstance1" -ResourceGroupName "ResourceGroup01"  
-ExpandActiveDirectoryAdministrator
```

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 : BasePrice
VCores : 8

StorageSizeInGB : 512
DnsZone : ad35cna0mw
Administrators : Microsoft.Azure.Management.Sql.Models.ManagedInstanceExternalAdministrator
ZoneRedundant : false

\$val.Administrators

AdministratorType : ActiveDirectory
PrincipalType : Group
Login : Dummy
Sid : df7667b8-f9fd-4029-a0e3-b43c75ce9538
TenantId : f553829b-6d84-481b-86a9-42db57c1dc73
AzureADOnlyAuthentication : True

This command gets information about the instance named managedInstance1.

RELATED LINKS

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