



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

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

NAME

New-AzSqlInstanceLink

SYNOPSIS

Creates a new instance link.

SYNTAX

```
New-AzSqlInstanceLink [-ResourceGroupName] <System.String> [-InstanceName] <System.String> [-Name]
<System.String> [-AsJob] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-PrimaryAvailabilityGroupName <System.String>
    -SecondaryAvailabilityGroupName <System.String> -SourceEndpoint <System.String> -TargetDatabase <System.String>
[-Confirm] [-WhatIf] [<CommonParameters>]
```

```
New-AzSqlInstanceLink [-InstanceObject]
<Microsoft.Azure.Commands.Sql.ManagedInstance.Model.AzureSqlManagedInstanceModel> [-Name] <System.String>
[-AsJob]
    [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-PrimaryAvailabilityGroupName <System.String>
```

-SecondaryAvailabilityGroupName <System.String> -SourceEndpoint <System.String> -TargetDatabase <System.String>
[-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzSqlInstanceLink cmdlet creates an Azure SQL Managed Instance link by joining distributed availability group on SQL Server based on the parameters passed.

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

-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

-InstanceName <System.String>

Name of Azure SQL Managed Instance.

Required? true

Position? 1

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-InstanceObject <Microsoft.Azure.Commands.Sql.ManagedInstance.Model.AzureSqlManagedInstanceModel>

Instance input object.

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

-Name <System.String>

Name of the instance link.

Required? true
Position? 2
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-PrimaryAvailabilityGroupName <System.String>

Name of the primary availability group.

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

-ResourceGroupName <System.String>

Name of the resource group.

Required? true
Position? 0
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-SecondaryAvailabilityGroupName <System.String>

Name of the secondary availability group.

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

-SourceEndpoint <System.String>

IP adress of the source endpoint.

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

-TargetDatabase <System.String>

Name of the target database.

Required? true
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

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

OUTPUTS

Microsoft.Azure.Commands.Sql.ManagedInstanceHybridLink.Model.AzureSqlManagedInstanceLinkModel

NOTES

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

New-AzSqlInstanceLink -ResourceGroupName "ResourceGroup01" -InstanceName "ManagedInstance01" -Name "Link01" -PrimaryAvailabilityGroupName "Link01PrimaryAG"

-SecondaryAvailabilityGroupName "Link01SecondaryAG" -TargetDatabase "Database01" -SourceEndpoint "TCP://SERVER01:5022"

ResourceGroupName : ResourceGroup01

InstanceName : ManagedInstance01

Type : Microsoft.Sql/managedInstances/distributedAvailabilityGroups

Id :

/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup01/providers/Microsoft.Sql/managedInstances/ManagedIns

tance01/distributedAvailabilityGroups/Link01

Name : Link01

TargetDatabase : Database01

SourceEndpoint : TCP://SERVER01:5022

PrimaryAvailabilityGroupName : Link01PrimaryAG

SecondaryAvailabilityGroupName : Link01SecondaryAG

ReplicationMode : Async

DistributedAvailabilityGroupId : xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

SourceReplicaId : xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

TargetReplicaId : xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

LinkState : Copying

LastHardenedLsn :

This command creates a new instance link with name "Link01".

Example 2: Create a new instance link using an instance object

```
$instance = Get-AzSqlInstance -ResourceGroupName "ResourceGroup01" -Name "ManagedInstance01"
New-AzSqlInstanceLink -InstanceObject $instance -Name "Link01" -PrimaryAvailabilityGroupName "Link01PrimaryAG"
-SecondaryAvailabilityGroupName "Link01SecondaryAG"
-TargetDatabase "Database01" -SourceEndpoint "TCP://SERVER01:5022"

ResourceGroupName      : ResourceGroup01
InstanceName           : ManagedInstance01
Type                   : Microsoft.Sql/managedInstances/distributedAvailabilityGroups
Id                     :
/subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup01/providers/Microsoft.Sql/managedI
nstances/ManagedIns
tance01/distributedAvailabilityGroups/Link01
Name                   : Link01
TargetDatabase         : Database01
SourceEndpoint         : TCP://SERVER01:5022
PrimaryAvailabilityGroupName : Link01PrimaryAG
SecondaryAvailabilityGroupName : Link01SecondaryAG
ReplicationMode        : Async
DistributedAvailabilityGroupId : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
SourceReplicaId        : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
TargetReplicaId        : xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
LinkState              : Copying
LastHardenedLsn        :
```

This command creates a new instance link using a managed instance object as a parameter.

Example 3: Create a new instance link by piping an instance object

```

$instance = Get-AzSqlInstance -ResourceGroupName "ResourceGroup01" -Name "ManagedInstance01"

    $instance | New-AzSqlInstanceLink -Name "Link01" -PrimaryAvailabilityGroupName "Link01PrimaryAG"
-SecondaryAvailabilityGroupName "Link01SecondaryAG" -TargetDatabase
"Database01" -SourceEndpoint "TCP://SERVER01:5022"

ResourceGroupName      : ResourceGroup01
InstanceName           : ManagedInstance01
Type                   : Microsoft.Sql/managedInstances/distributedAvailabilityGroups
Id                     :
/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup01/providers/Microsoft.Sql/managedI
nstances/ManagedIns
tance01/distributedAvailabilityGroups/Link01
Name                   : Link01
TargetDatabase          : Database01
SourceEndpoint          : TCP://SERVER01:5022
PrimaryAvailabilityGroupName : Link01PrimaryAG
SecondaryAvailabilityGroupName : Link01SecondaryAG
ReplicationMode         : Async
DistributedAvailabilityGroupId : xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
SourceReplicaId         : xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
TargetReplicaId         : xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
LinkState               : Copying
LastHardenedLsn         :

```

This command creates a new instance link by piping an instance object.

RELATED LINKS

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

Get-AzSqlInstanceLink

Update-AzSqlInstanceLink

