



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

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

NAME

New-AzSqlDatabaseInstanceFailoverGroup

SYNOPSIS

This command creates a new Azure SQL Database Instance Failover Group.

SYNTAX

```
New-AzSqlDatabaseInstanceFailoverGroup [-ResourceGroupName] <System.String> [-Location] <System.String>
[-Name] <System.String> [-AllowReadOnlyFailoverToPrimary
<System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-FailoverPolicy
<System.String>]
[-GracePeriodWithDataLossHours <System.Int32>] -PartnerManagedInstanceName <System.String> -PartnerRegion
<System.String> [-PartnerResourceGroupName <System.String>]
[-PartnerSubscriptionId <System.String>] -PrimaryManagedInstanceName <System.String> [-SecondaryType
<System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

Creates a new Azure SQL Database Instance Failover Group between the specified regions with the noted Managed Instance pair.

Two Azure SQL Database TDS endpoints are created at Name.SqlDatabaseDnsSuffix (for example, Name.database.windows.net) and Name.secondary.SqlDatabaseDnsSuffix. These

endpoints may be used to connect to the primary and secondary regions of the Failover Group, respectively. If the primary region is affected by an outage, automatic

failover of the endpoints and databases will be triggered as dictated by the Instance Failover Group's failover policy and grace period.

During preview of the Instance Failover Groups feature, only values greater than or equal to 1 hour are supported for the '-GracePeriodWithDataLossHours' parameter.

PARAMETERS

-AllowReadOnlyFailoverToPrimary <System.String>

Whether an outage on the secondary server should trigger automatic failover of the read-only endpoint.

Required? false

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

-FailoverPolicy <System.String>

The failover policy of the Instance Failover Group.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-GracePeriodWithDataLossHours <System.Int32>

Interval before automatic failover is initiated if an outage occurs on the primary server and failover cannot be completed without data loss.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Location <System.String>

The name of the Local Region from which to retrieve the Instance Failover Group.

Required? true

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

The name of the Azure SQL Database Failover Group to create.

Required? true

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PartnerManagedInstanceName <System.String>

The name of the Managed Instance in the partner region to be added to the Instance Failover Group.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PartnerRegion <System.String>

The name of the partner region of the Instance Failover Group.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PartnerResourceGroupName <System.String>

The name of the secondary resource group of the Instance Failover Group.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PartnerSubscriptionId <System.String>

The subscription id of the secondary Managed Instance of the Instance Failover Group. This parameter is only needed

for cross-subscription setup

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

-PrimaryManagedInstanceName <System.String>

The name of the Managed Instance in the local region to be added to the Instance Failover Group.

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

-ResourceGroupName <System.String>

The name of the resource group.

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

-SecondaryType <System.String>

Intended usage of the secondary instance. Standby indicates that the secondary instance will be used as a passive replica for disaster recovery only.

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

System.String

OUTPUTS

NOTES

----- Example 1 -----

```
$failoverGroup = New-AzSqlDatabaseInstanceFailoverGroup -Name fgName -Location location -ResourceGroupName rg
-PrimaryManagedInstanceName $managedInstance.Name
-PartnerRegion $partnerRegion -PartnerManagedInstanceName $partnerManagedInstance.Name -FailoverPolicy
Automatic -GracePeriodWithDataLossHours 1
```

```
ResourceGroupName      : rg
Location                : East US
Name                    : fg
PartnerResourceGroupName : rg
PartnerRegion           : West US
PrimaryManagedInstanceName : managedInstance1
PartnerManagedInstanceName : managedInstance2
ReplicationRole          : Primary
ReplicationState         : CATCH_UP
ReadWriteFailoverPolicy   : Automatic
FailoverWithDataLossGracePeriodHours : 1
ReadOnlyFailoverPolicy    : Disabled
Id                       :
```

```
/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/rg/providers/Microsoft.Sql/locations/eastus/instanceF
ailoverGroups/fg
```

This command creates a new Instance Failover Group with failover policy 'Automatic' for the Managed Instance pair.

----- Example 2 -----

```
$failoverGroup = New-AzSqlDatabaseInstanceFailoverGroup -Name fgName -Location location -ResourceGroupName rg
-PrimaryManagedInstanceName $managedInstance.Name
-PartnerRegion $partnerRegion -PartnerManagedInstanceName $partnerManagedInstance.Name -FailoverPolicy Manual
```

```
ResourceGroupName      : rg
Location               : East US
Name                   : fg
PartnerResourceGroupName : rg
PartnerRegion          : West US
PrimaryManagedInstanceName : managedInstance1
PartnerManagedInstanceName : managedInstance2
ReplicationRole         : Primary
ReplicationState        : CATCH_UP
ReadWriteFailoverPolicy : Manual
FailoverWithDataLossGracePeriodHours :
ReadOnlyFailoverPolicy  : Disabled
Id                     :
```

```
/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/rg/providers/Microsoft.Sql/locations/eastus/instanceF
ailoverGroups/fg
```

This command creates a new Instance Failover Group with failover policy 'Manual' for the Managed Instance pair.

----- Example 3 -----

```
New-AzSqlDatabaseInstanceFailoverGroup -FailoverPolicy Automatic -GracePeriodWithDataLossHours 1 -Location
location -Name fgName -PartnerManagedInstanceName
```


\$partnerManagedInstance.Name -PartnerRegion \$partnerRegion -PartnerResourceGroupName rg2
-PrimaryManagedInstanceName \$managedInstance.Name -ResourceGroupName rg

RELATED LINKS

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