



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

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

NAME

New-AzSqlDatabaseFailoverGroup

SYNOPSIS

This command creates a new Azure SQL Database Failover Group.

SYNTAX

```
New-AzSqlDatabaseFailoverGroup [-ResourceGroupName] <System.String> [-ServerName] <System.String>
[-AllowReadOnlyFailoverToPrimary {Enabled | Disabled}]
[-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-FailoverGroupName <System.String> [-FailoverPolicy
{Automatic | Manual}] [-GracePeriodWithDataLossHours <System.Int32>] [-PartnerResourceGroupName
<System.String>] [-PartnerServerList
<System.Collections.Generic.List`1[System.String]>] -PartnerServerName <System.String> [-PartnerSubscriptionId
<System.String>] [-ReadOnlyEndpointTargetServer
<System.String>] [<CommonParameters>]
```

DESCRIPTION

Creates a new Azure SQL Database Failover Group for the specified servers. Two Azure SQL Database TDS endpoints are created at FailoverGroupName.SqlDatabaseDnsSuffix

(for example, FailoverGroupName.database.windows.net) and FailoverGroupName.secondary.SqlDatabaseDnsSuffix. These endpoints may be used to connect to the primary and

secondary servers in the Failover Group, respectively. If the primary server is affected by an outage, automatic failover of the endpoints and databases will be

triggered as dictated by the Failover Group's failover policy and grace period. Newly created Failover Groups do not contain any databases. To control the set of

databases in a Failover Group, use the 'Add-AzSqlDatabaseToFailoverGroup' and 'Remove-AzSqlDatabaseFromFailoverGroup' cmdlets. Only values greater than or equal to 1

hour are supported for the '-GracePeriodWithDataLossHours' parameter. !NOTE] It's possible to deploy your auto-failover group across subscriptions by using the

-PartnerSubscriptionId parameter in Azure Powershell starting with [Az.SQL 3.11.0 (<https://www.powershellgallery.com/packages/Az.Sql/3.11.0>).

PARAMETERS

-AllowReadOnlyFailoverToPrimary

<Microsoft.Azure.Commands.Sql.FailoverGroup.Model.AllowReadOnlyFailoverToPrimary>

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

-FailoverGroupName <System.String>

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

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-FailoverPolicy <Microsoft.Azure.Commands.Sql.FailoverGroup.Model.FailoverPolicy>

The failover policy of the Azure SQL Database Failover Group.

Required? false

Position? named

Default value Manual

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 1

Accept pipeline input? False

Accept wildcard characters? false

-PartnerResourceGroupName <System.String>

The name of the secondary resource group of the Azure SQL Database Failover Group.

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

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

The list of partner servers in the failover group (empty list for 0 servers).

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

-PartnerServerName <System.String>

The name of the secondary server of the Azure SQL Database Failover Group.

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

-PartnerSubscriptionId <System.String>

The name of the secondary subscription id of the Azure SQL Database Failover Group.

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

-ReadOnlyEndpointTargetServer <System.String>

The name of the target server for the read only endpoint. If empty, defaults to value of PartnerServerName.

Required? false

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? True (ByPropertyName)

Accept wildcard characters? false

-ServerName <System.String>

The name of the primary Azure SQL Database Server of the Failover Group.

Required? true

Position? 1

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>).

INPUTS

System.String

OUTPUTS

Microsoft.Azure.Commands.Sql.FailoverGroup.Model.AzureSqlFailoverGroupModel

NOTES

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

```
$failoverGroup = New-AzSqlDatabaseFailoverGroup -ResourceGroupName rg -ServerName primaryserver  
-PartnerServerName secondaryserver -FailoverGroupName fg  
-FailoverPolicy Automatic -GracePeriodWithDataLossHours 1
```

This command creates a new Failover Group with failover policy 'Automatic' for two servers in the same resource group.

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

```
$failoverGroup = New-AzSqlDatabaseFailoverGroup -ResourceGroupName rg1 -ServerName primaryserver  
-PartnerResourceGroupName rg2 -PartnerServerName secondaryserver1  
-FailoverGroupName fg -FailoverPolicy Manual
```

This command creates a new Failover Group with failover policy 'Manual' for two servers in different resource groups.

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

```
$sub2 = 'b3c40cd6-024f-428c-921b-cda6c6834c34'
```

```
$failoverGroup = New-AzSqlDatabaseFailoverGroup -ServerName primaryserver -FailoverGroupName fg  
-PartnerSubscriptionId $sub2 -PartnerResourceGroupName rg2  
-PartnerServerName secondaryserver1 -FailoverPolicy Manual -ResourceGroupName rg1
```

```
FailoverGroupName      : fg  
Location               : East US  
ResourceGroupName      : rg1  
ServerName             : primaryserver  
PartnerLocation        : West US 2  
PartnerResourceGroupName : rg2  
PartnerServerName      : secondaryserver1  
ReplicationRole        : Primary  
ReplicationState       : CATCH_UP  
ReadWriteFailoverPolicy : Manual  
FailoverWithDataLossGracePeriodHours :  
DatabaseNames          : {}
```

This command creates a new Failover Group with failover policy 'Manual' for two servers in different subscriptions.

RELATED LINKS

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

Set-AzSqlDatabaseFailoverGroup

Get-AzSqlDatabaseFailoverGroup

Add-AzSqlDatabaseToFailoverGroup

Remove-AzSqlDatabaseFromFailoverGroup

Switch-AzSqlDatabaseFailoverGroup

Remove-AzSqlDatabaseFailoverGroup

