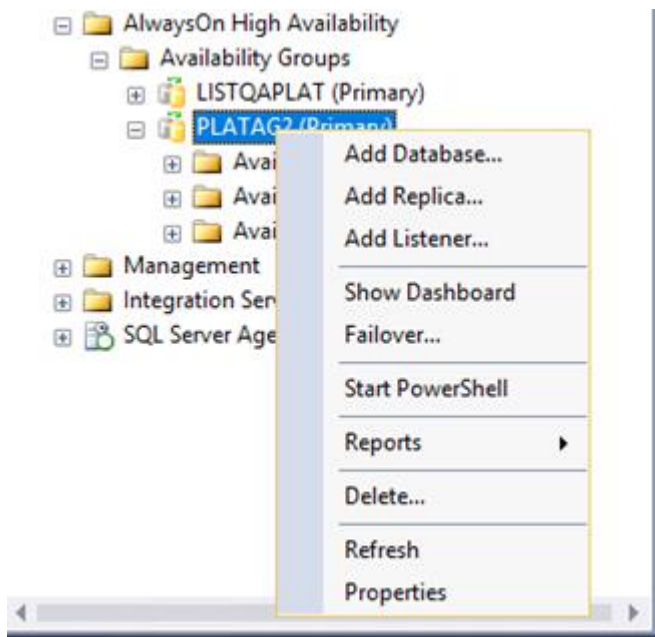




Document Overview

There are when We need to do a manual failover of SQL Server AlwaysOn Availability Groups. Sometimes the replicas are not synchronized , in such scenarios , We have to perform a forced failover. Below are the Steps we need to follow when Databases are Synchronized and not Synchronized :

1. To check the status of Always On go to the AG folder and right click and click show dashboard.



 **PLATAG2: hosted by QADB01 (Replica role: Primary)**



Availability group state:  **Healthy**

Primary instance: QADB01



Failover mode: Manual

Cluster state: qaplatcluster (Normal Quorum)

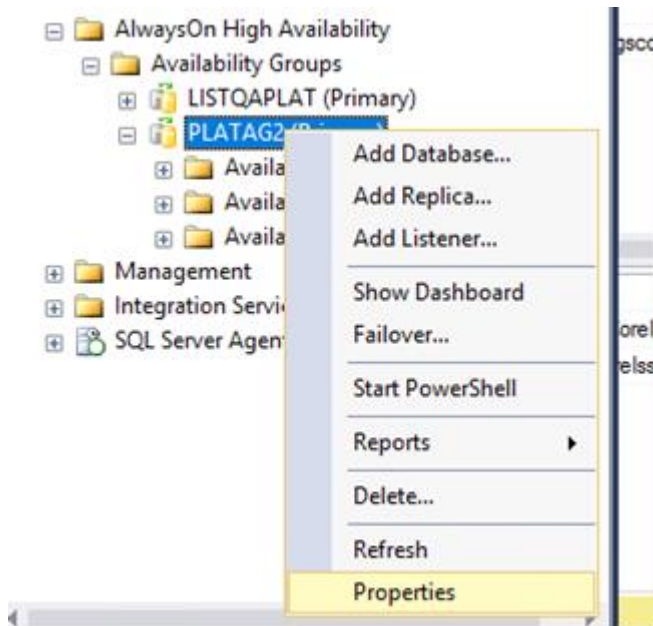
Availability replica:

Name	Role	Failover Mode	Synchronization State	Issues
 QADB01	Primary	Manual	Synchronized	
 QADB02	Secondary	Manual	Synchronizing	

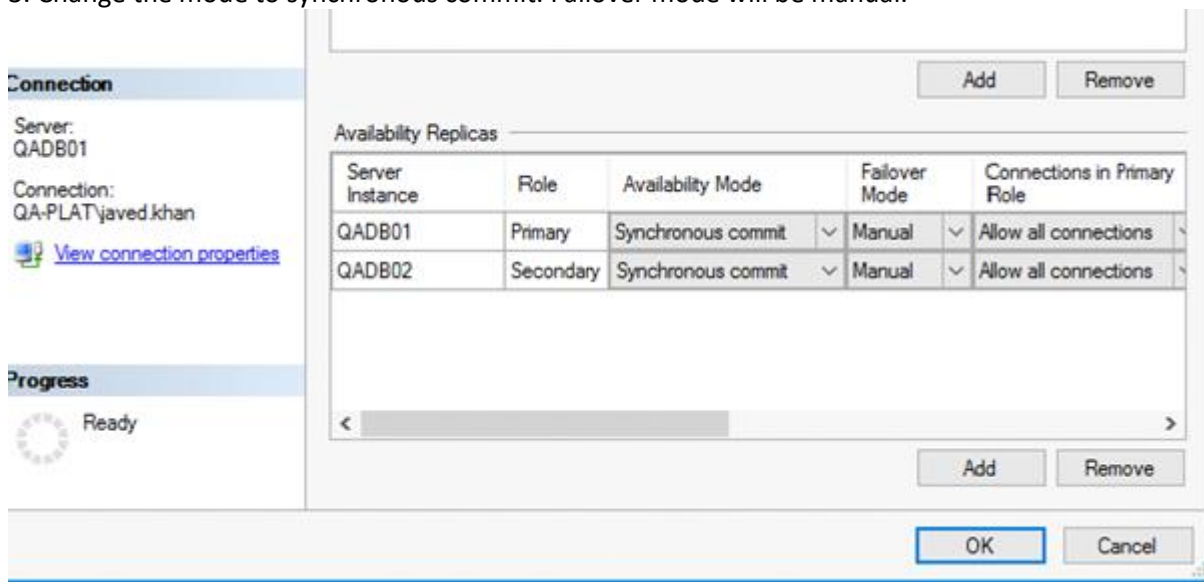
Group by ▼

Name	Replica	Synchronization State	Failover Readiness	Issues
QADB01				
 TestAG2	QADB01	Synchronized	No Data Loss	
QADB02				
 TestAG2	QADB02	Synchronizing	Data Loss	

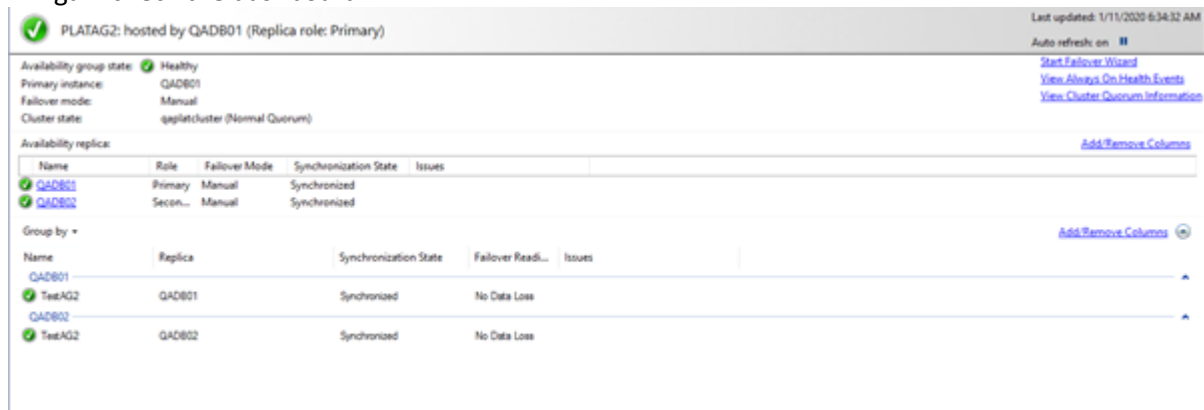
2. If replicas are not in sync, It means they are in asynchronous mode. Go to properties of AG.



3. Change the mode to synchronous commit. Failover mode will be manual.



4. Again check the dashboard.



5. Once verified, Go for failover either by failover link in dashboard or right click on AG and select failover.

Introduction

Select New Primary Replica

Connect to Replica

Summary

Results

Select the new primary replica for this availability group.

Current Primary Replica: QADB01

Primary Replica Status: Synchronous commit and Online

Quorum Status: Normal Quorum

Choose new primary replica:

Server Instance	Availability Mode	F...	Failover Readiness	Warnings	FailoverCateg...	Name	AvailabilityMo...	FailoverMode	OperationalSta...	Synchronizatio...
QADB02	Synchronous com...	M...	No data loss		FailoverWithou...	QADB02	Synchronous c...	Manual	Unknown	Synchronized

Refresh

< Previous Next > Cancel

6. Complete the wizard.

Introduction

Select New Primary Replica

Connect to Replica

Summary

Results

Verify the choices made in this wizard.

Click Finish to perform the following actions:

- Current Primary Replica: QADB01
- New Primary Replica: QADB02
- Failover Actions: No data loss
- Affected Databases
 - TestAG2

Script

< Previous Finish Cancel

7. Click on Finish.

Introduction

Select New Primary Replica

Connect to Replica

Summary

Results

The wizard completed successfully.

Summary:

Name	Result
Validating failover settings for secondary replica 'QADB02'	Success
Performing manual failover to secondary replica 'QADB02'	Success
Completing the role change for secondary replica 'QADB02'	Success
Validating WSFC quorum vote configuration.	Success

< Previous Next > Close

After failover completion, go to new primary and verify the dashboard.

