Database in Single User mode

[Version 1.0]

Jason

[19/07/2021]

REV. No	Nature of Change	Prepared By	Prepared Date	Reviewed & Approved by
1.0	Creation	Jason	19/07/2021	Weina

Amendment Record

SCENARIO

Unable to login more than 1 user and found that database is in Single User mode
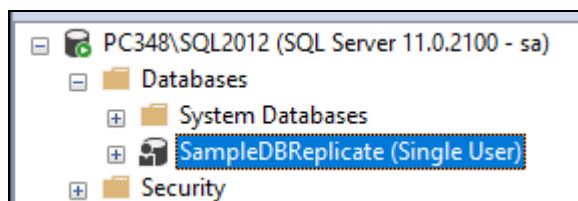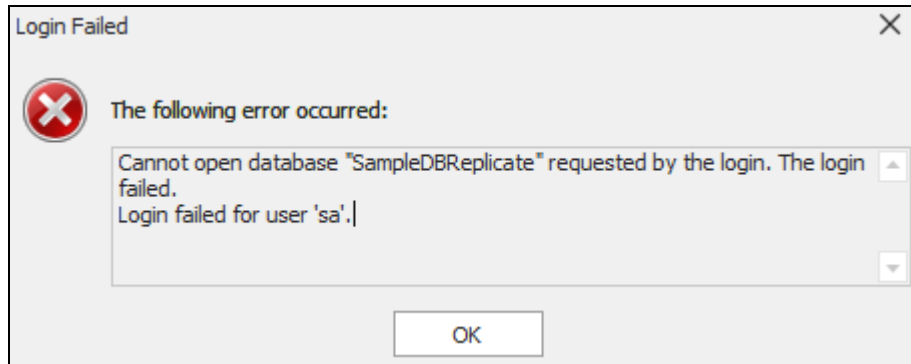
SOLUTION

Method 1:

1. Connect your database with SSMS (SQL Server Management Studio)

    https://support.qne.com.my/a/solutions/articles/81000385373

2. First, we need to kill all active connection/processes of the database

3. Right-click your server instance in Object Explorer, and then select New Query

4. Paste the following T-SQL code snippet into the query window and replace 'SampleDBReplicate' to your database code:

```
-----Replace SampleDBReplicate with your database name-----
USE master
GO
DECLARE @kill varchar(max) = '';
SELECT @kill = @kill + 'KILL ' + CONVERT(varchar(10), spid) + '; '
FROM master..sysprocesses
WHERE spid > 50 AND dbid = DB_ID('SampleDBReplicate')

EXEC(@kill);
```

5. Execute query and all active connection and processes of the database has been terminated

6. Now proceed to set the database access from Single User to Multi-User

7. Right-click on the 'Single User Mode' database and select Properties
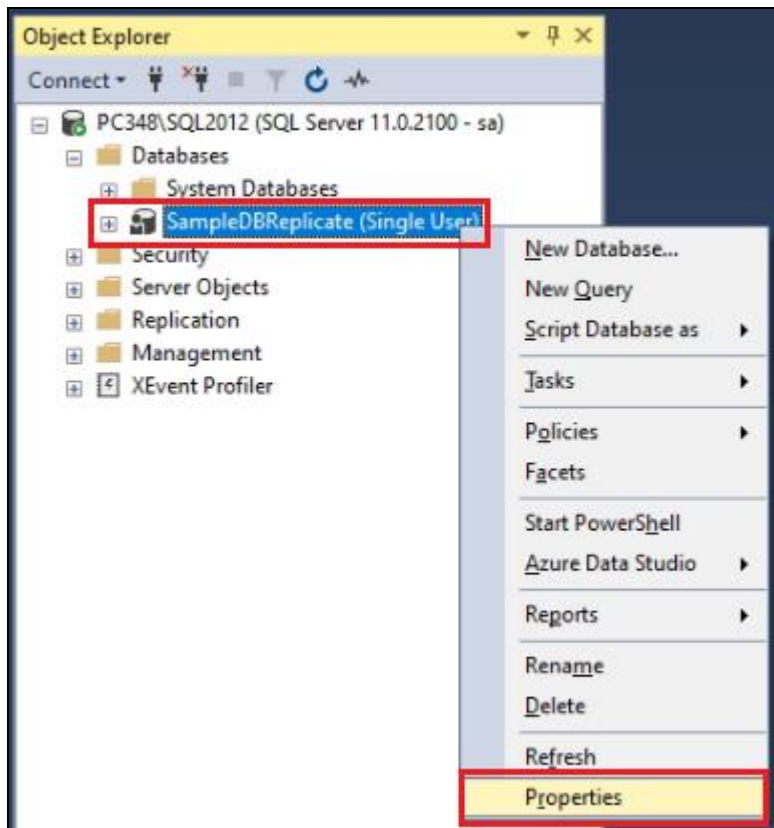
8. Go to Options and scroll to bottom

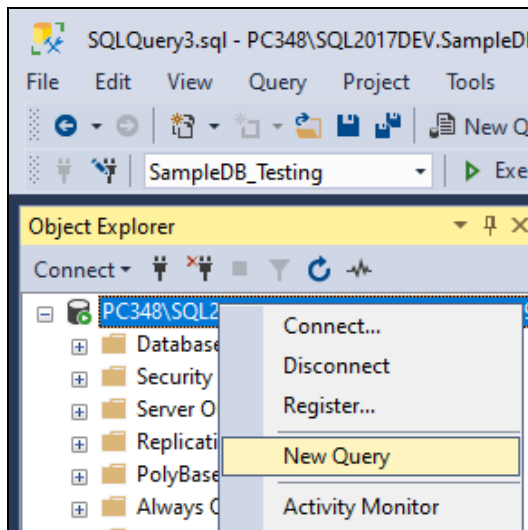9. Under category 'State', change 'Restrict Access' from 'SINGLE_USER' to 'MULTI_USER' and click okay

Method 2:

1. Connect your database with SSMS (SQL Server Management Studio)

   https://support.qne.com.my/a/solutions/articles/81000385373

2. Right-click your server instance in Object Explorer, and then select New Query

3. Paste the following T-SQL code snippet into the query window and replace 'SampleDBReplicate' to your database code:

```
-----Replace SampleDBReplicate with your database name-----
USE master
GO
DECLARE @kill varchar(max) = '';
SELECT @kill = @kill + 'KILL ' + CONVERT(varchar(10), spid) + '; '
FROM master..sysprocesses
WHERE spid > 50 AND dbid = DB_ID('SampleDBReplicate')
EXEC(@kill);

GO
SET DEADLOCK_PRIORITY HIGH
ALTER DATABASE [SampleDBReplicate] SET MULTI_USER WITH NO_WAIT
ALTER DATABASE [SampleDBReplicate] SET MULTI_USER WITH ROLLBACK IMMEDIATE

GO
```

4. Execute query and it will kill all active connection/ processes and set database access from single User to Multi-User

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