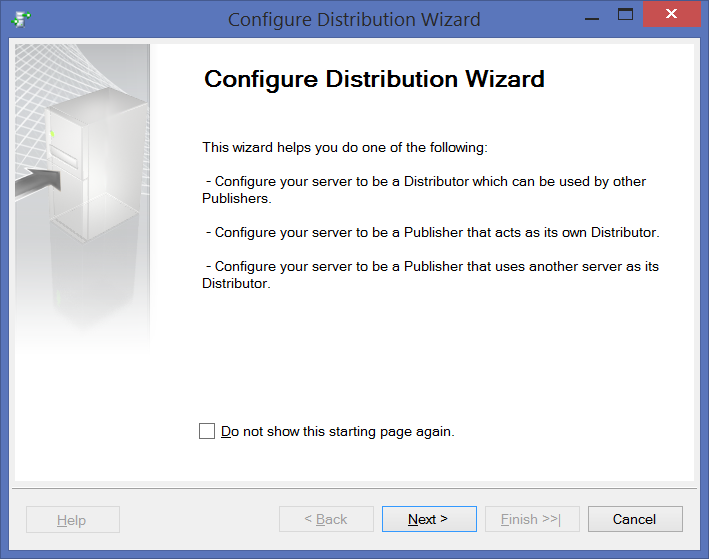
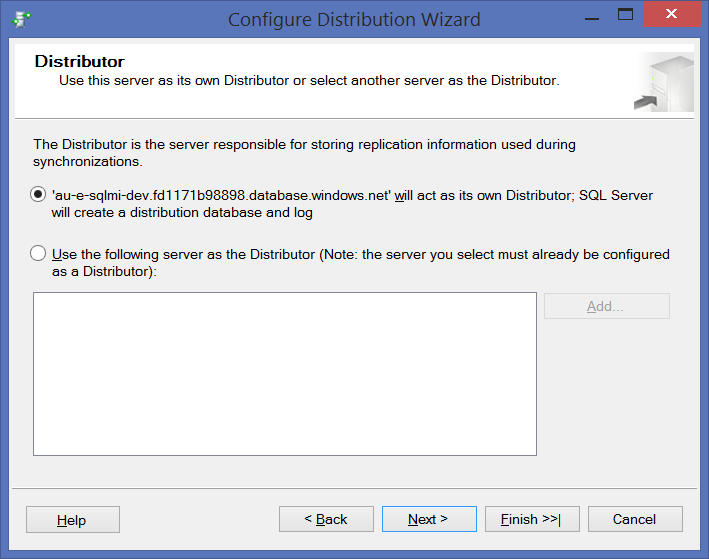
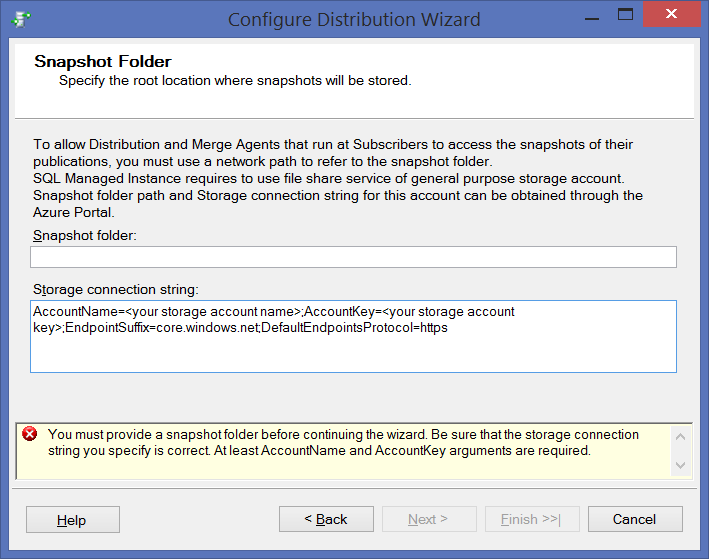
**Configure replication in an Azure SQL Database managed instance database**





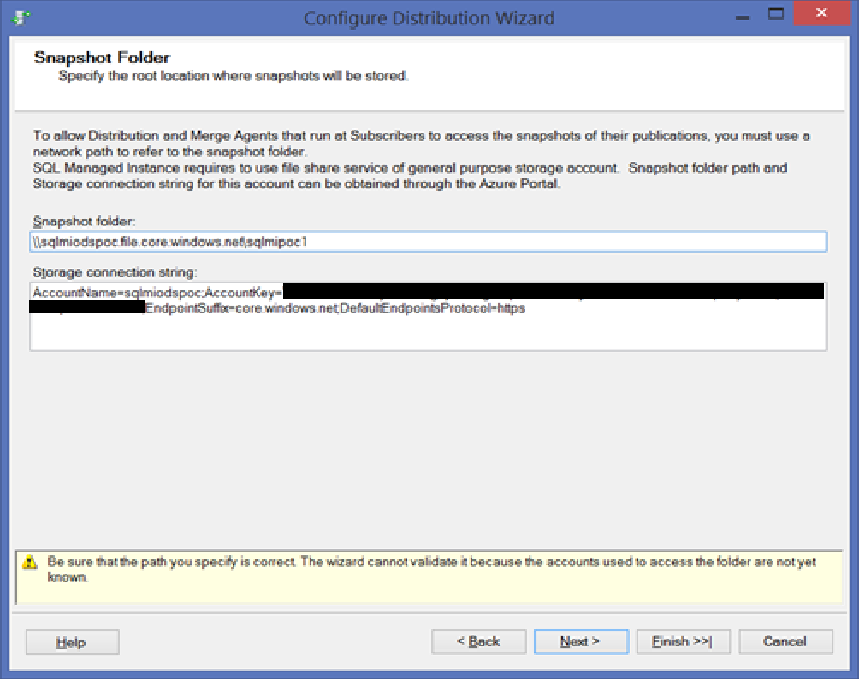


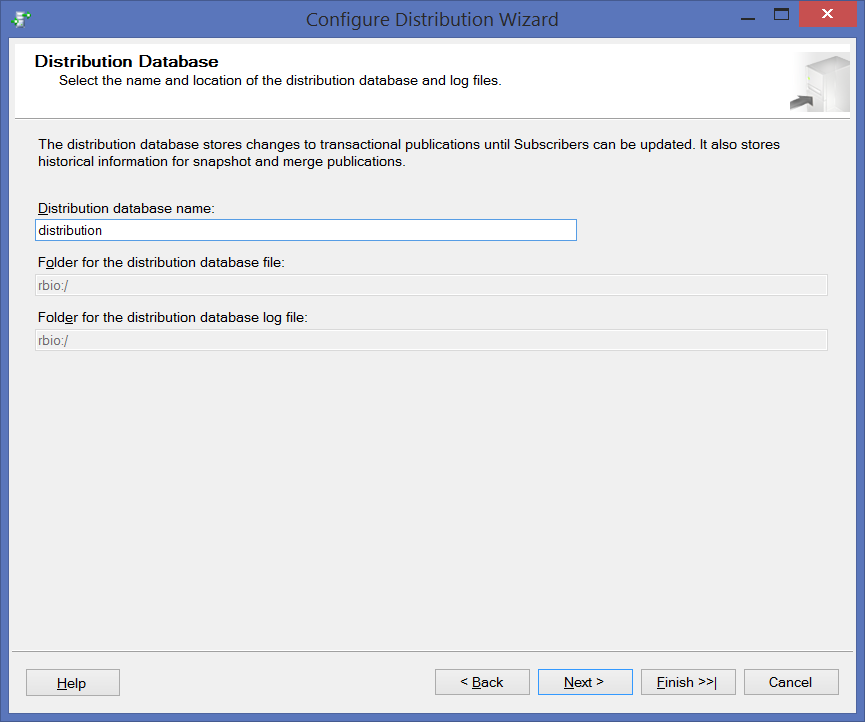
Fill the necessary info.

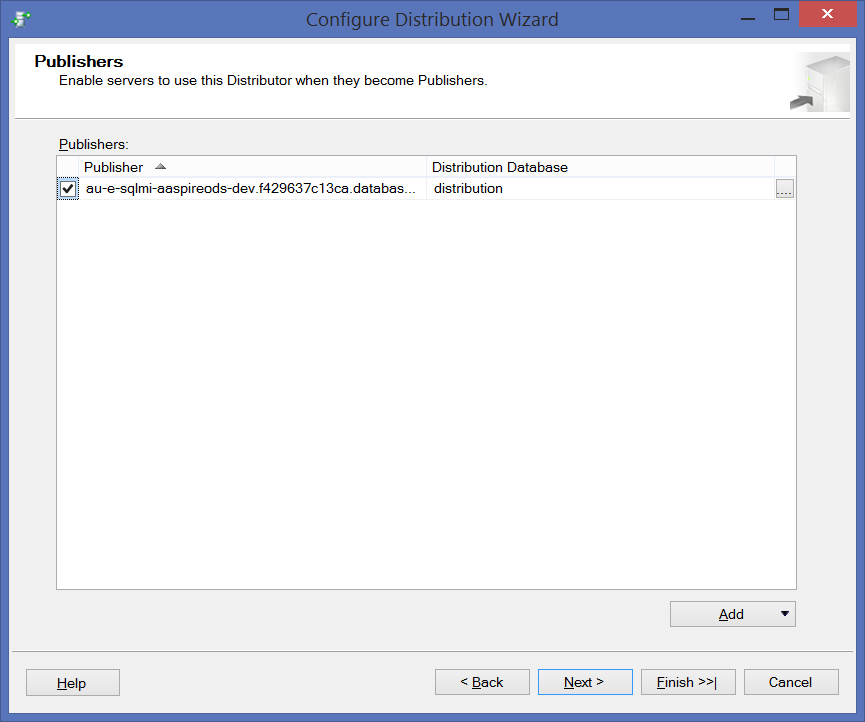
***Be sure that the path you specify is correct. The wizard cannot validate it because the accounts used to access the folder are not yet known.***

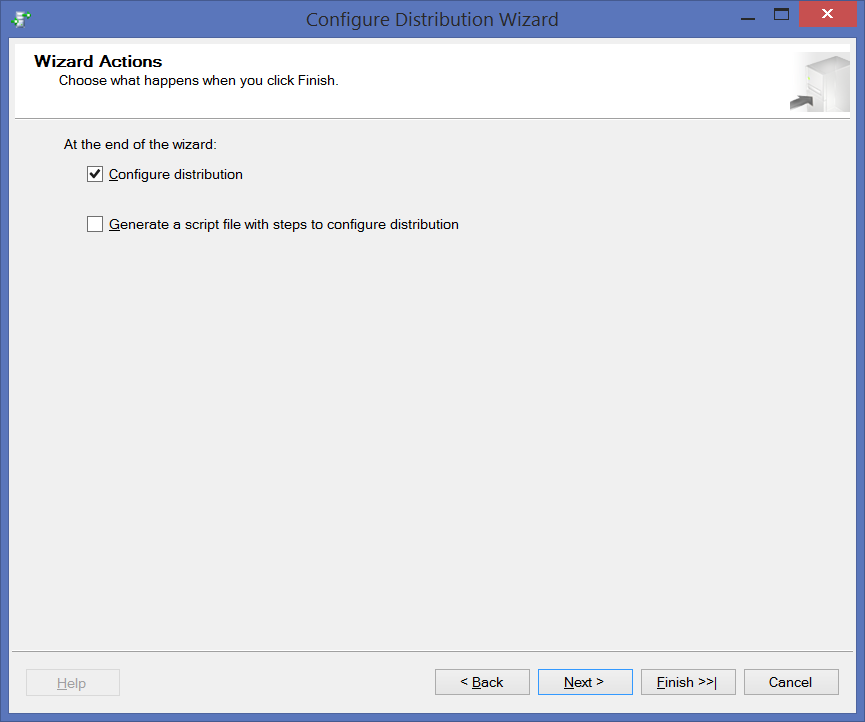
[\\sqlmiodspoc.file.core.windows.net\sqlmipoc1](file:///\\sqlmiodspoc.file.core.windows.net\sqlmipoc1)

AccountName=sqlmiodspoc;AccountKey=TDAzx28MLDwcyZmS9VgejX0QFgTIKpBYn1aNtNjMwD1DtithIS2A3UPrl0pb6ydWtR/1rhhM2KKlV/PH3DbLtQ==;EndpointSuffix=core.windows.net;DefaultEndpointsProtocol=https









On Azure Portal, create a file share in a storage account, & get its properties

<https://sqlmiodspoc.file.core.windows.net/sqlmipoc1>

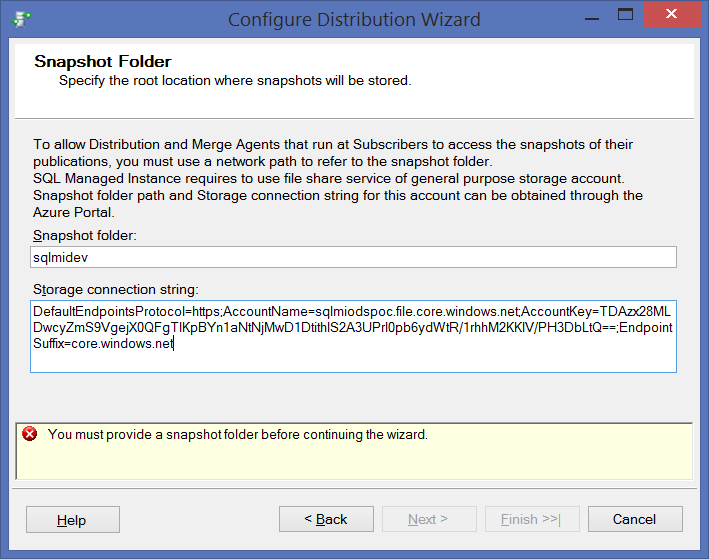
[\\sqlmiodspoc.file.core.windows.net\sqlmipoc1](file:///\\sqlmiodspoc.file.core.windows.net\sqlmipoc1)

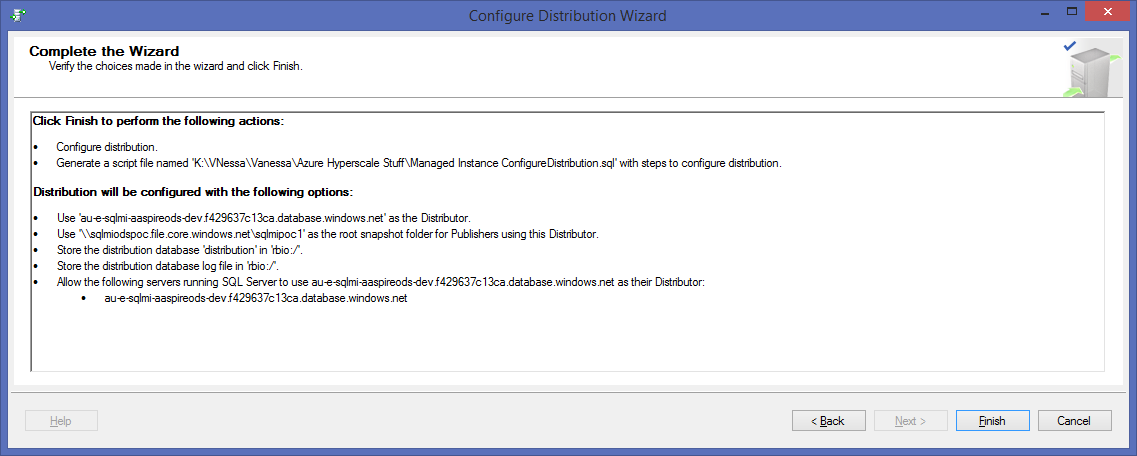
Copy the file share path in the format of: \\storage-account-name.file.core.windows.net\file-share-name

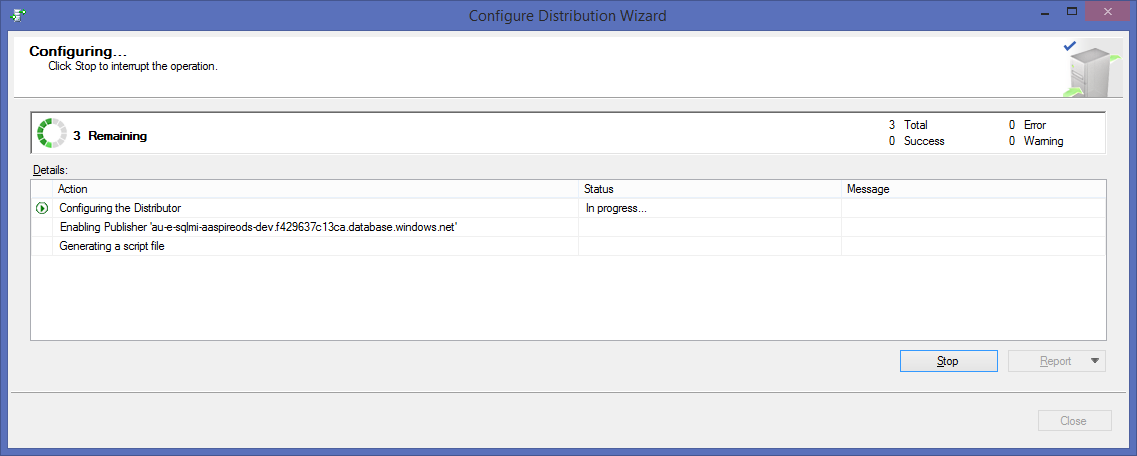
Copy the storage access keys in the format of: DefaultEndpointsProtocol=https;AccountName=<Storage-Account-Name>;AccountKey=\*\*\*\*;EndpointSuffix=core.windows.net

e.g.

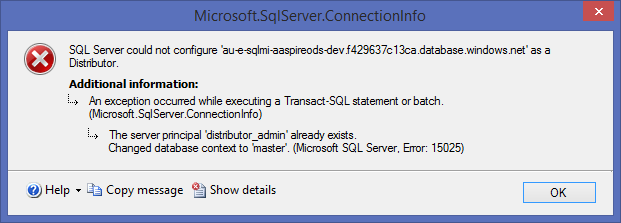
DefaultEndpointsProtocol=https;AccountName=sqlmiodspoc.file.core.windows.net;AccountKey=TDAzx28MLDwcyZmS9VgejX0QFgTIKpBYn1aNtNjMwD1DtithIS2A3UPrl0pb6ydWtR/1rhhM2KKlV/PH3DbLtQ==;EndpointSuffix=core.windows.net





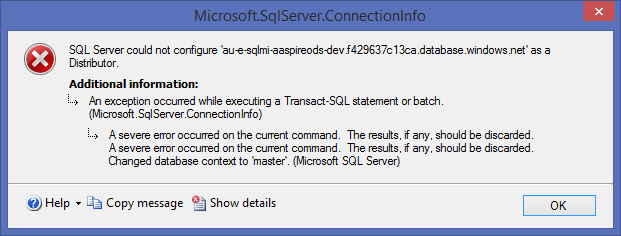


**ERROR:**



**RESOLUTION** : DROP the distributor\_admin login & restart the wizard

**ERROR 2**



**Cannot go further so trying via command**

Step 1:-

EXEC sp\_adddistributor @distributor = @@ServerName;

EXEC sp\_adddistributiondb @database = N'ODSaaspirePRODC3';

GO

Step2: Run below in sqlsmd mode

:setvar username SQLAdmin

:setvar password KR42dM:85!`M)dd!

:setvar file\_storage "\\sqlmiodspoc.file.core.windows.net\sqlmipoc1"

:setvar file\_storage\_key "DefaultEndpointsProtocol=https;AccountName=sqlmiodspoc.file.core.windows.net;AccountKey=TDAzx28MLDwcyZmS9VgejX0QFgTIKpBYn1aNtNjMwD1DtithIS2A3UPrl0pb6ydWtR/1rhhM2KKlV/PH3DbLtQ==;EndpointSuffix=core.windows.net"

USE [master]

EXEC sp\_adddistpublisher

@publisher = @@ServerName,

@distribution\_db = N'distribution',

@security\_mode = 0,

@login = N'$(username)',

@password = N'$(password)',

@working\_directory = N'$(file\_storage)',

@storage\_connection\_string = N'$(file\_storage\_key)'; -- Remove this parameter for on-premises publishers

**ERROR**

Msg 21037, Level 16, State 1, Procedure sys.sp\_MSrepl\_adddistpublisher, Line 365 [Batch Start Line 1]

Invalid working directory 'sqlmiodspoc.file.core.windows.net\sqlmidev'.

**RESOLUTION**

Need to make sure you use [**\\**sqlmiodspoc.file.core.windows.net\sqlmidev](file:///\\sqlmiodspoc.file.core.windows.net\sqlmidev) with the \\

**Step3:** Run below in sqlsmd mode. to enable replication for your database, and configure replication between your publisher, distributor, and subscriber

For example

:setvar username SQLAdmin

:setvar password KR42dM:85!`M)dd!

:setvar source\_db ODSaaspirePRODB2

:setvar publication\_name PublishData

:setvar object PLA011

:setvar schema dbo

:setvar target\_server "sqlmiodspoc.file.core.windows.net"

:setvar target\_username SQLAdmin

:setvar target\_password KR42dM:85!`M)dd!

:setvar target\_db Config

-- Enable replication for your source database

USE [$(source\_db)]

EXEC sp\_replicationdboption

@dbname = N'$(source\_db)',

@optname = N'publish',

@value = N'true';

-- Create your publication

EXEC sp\_addpublication

@publication = N'$(publication\_name)',

@status = N'active';

EXEC sp\_changedbowner 'SQLAdmin'

GO

EXEC sp\_addarticle

@publication = N'$(publication\_name)',

@type = N'logbased',

@article = N'$(object)',

@source\_object = N'$(object)',

@source\_owner = N'$(schema)'​;

ERROR

Msg 14088, Level 16, State 1, Procedure sys.sp\_MSrepl\_addarticle, Line 1556 [Batch Start Line 33]

The table '[dbo].[ctlPlan]' must have a primary key to be published using the transaction-based method.

RESOLUTION

Use only tables with Primary keys or add primary key to tables u need.

**CDC ERRORS**

Error:-

Msg 313, Level 16, State 3, Line 4

An insufficient number of arguments were supplied for the procedure or function cdc.fn\_cdc\_get\_net\_changes\_

Explanation:-

This error message is somewhat misleading and basically hints that some parameters might be out of bound. The message is not further customized because of the limitation of table functions.

The zero value (0x00000000000000000000) is not a valid one. The sys.fn\_cdc\_get\_min\_lsn() returns this value if it cannot find the appropriate **capture instance name**. This name might deviate from the actual table name

The error can also occur if CDC was Enabled/Disabled multiple times at table level and created two capture instance for same table. I fixed this by disabling CDC at database level and then enabled all tables again, then it works fine.