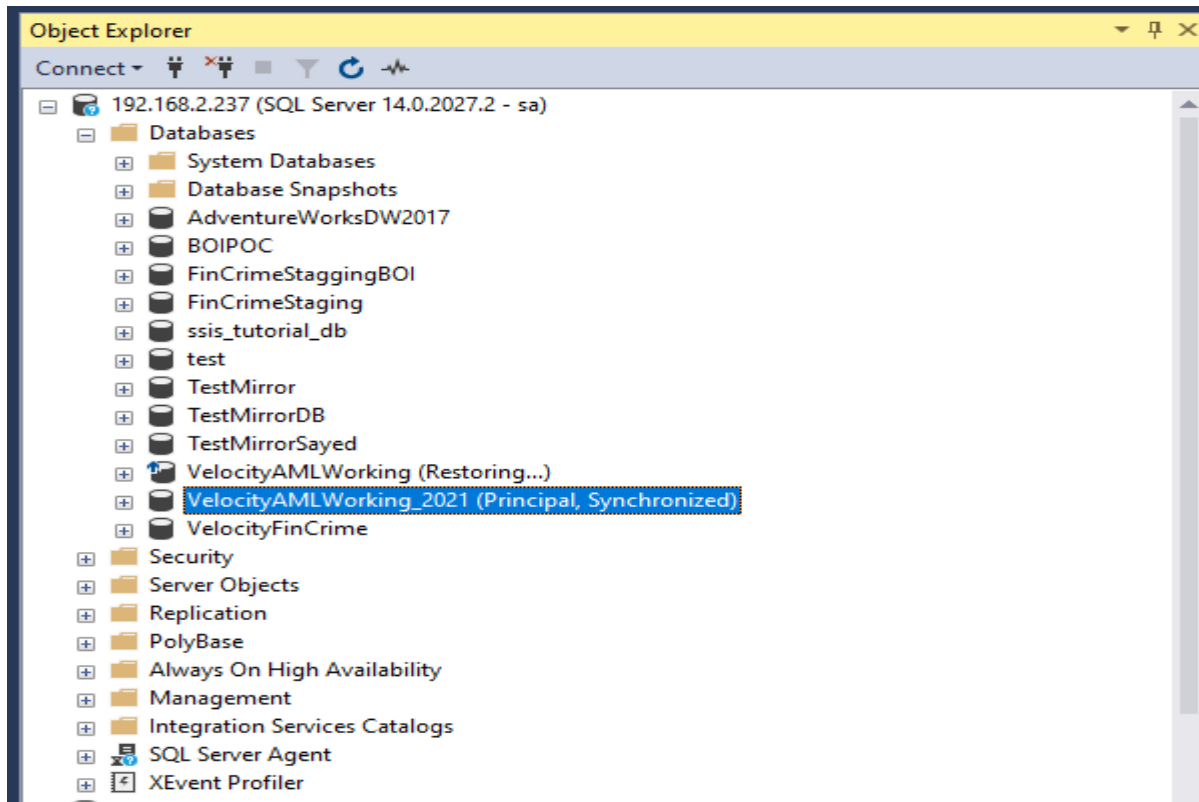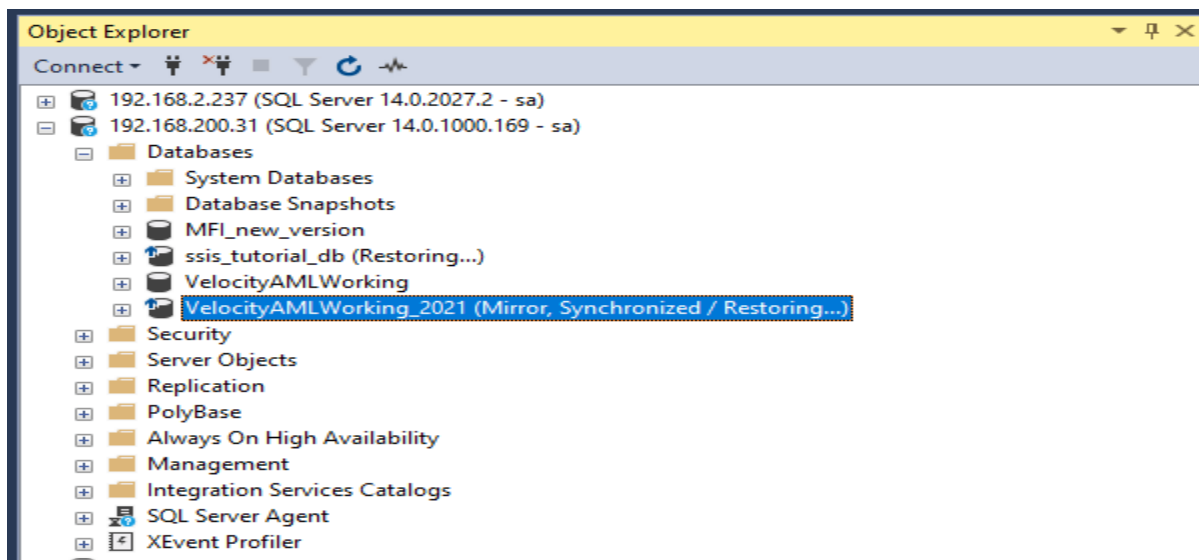# Mirror Database Server Implementation Process in Dot Net Project

Step 1: Prepare prinicipal server database for database mirroring [Fig-1].

[Fig-1]

Step 2: Prepare mirror server database for database mirroring [Fig-2].

[Fig-2]

Step 3: Add **"Failover Partner = Mirror Server IP"** in connectionStrings [Fig-3].*Note That,Database Name,User Id and Password must be same in Principal Server and Mirror Server*.

```xml
1   <?xml version="1.0" encoding="utf-8"?>
2   <configuration>
3     <configSections>
4       <section name="entityFramework" type="System.Data.Entity.Internal.ConfigFile.EntityFrameworkSection, EntityFramework, Version=6.0.0.0, Culture=neut
5     </configSections>
6     <connectionStrings>
7       <add name="DefaultConnection" connectionString="data source=192.168.2.237;Failover Partner=192.168.200.31; initial catalog=VelocityAMLWorking_2021;
8       <!--<add name="DefaultConnection" connectionString="Data Source=DESKTOP-SHOHAG; Initial Catalog=VelocityAMLWorking;Integrated Security=True" provid
9       <!--<add name="DefaultConnection" connectionString="data source=192.168.4.79\SQL17,1434; initial catalog=VelocityAM_UAT_202002209PM;persist securit
10      <!--<add name="DefaultConnection" connectionString="data source=192.168.1.71; initial catalog=VelocityAML;persist security info=True;user id=sa;pas
11      <!--<add name="DefaultConnection" connectionString="data source=192.168.1.232\SRV16,1433; initial catalog=FinCrime;persist security info=True;user
12      <!--<add name="DefaultConnection" connectionString="data source=192.168.1.208; initial catalog=VelocityAML;persist security info=True;user id=AML;p
13      <!--<add name="SourceConnection" connectionString="Data Source=192.168.1.232/orcl;User ID =C##UCB;Password=aml123; Provider=OraOLEDB.Oracle.1;" />-
14      <!-- <add name="DestinationConnection" connectionString="Data Source=DS00424\MSSQL2014;User ID=sa;Password=aml123;Initial Catalog=FinCrimeStaging;Pr
15      <!--<add name="OracleDbContext" connectionString="Data Source=192.168.2.223/orcl;User ID =C##UCB;Password=aml123" />-->
16      <add name="OracleDbContext" connectionString="Data Source=192.168.2.237/orcl;User ID =C##Saiful;Password=12345"/>
17
18      <add name="SourceConnection" connectionString="Data Source=192.168.1.71;User ID=sa;Password=aml123;Initial Catalog=FinCrimeStaging;" providerName="
19      <add name="ReportConnection" connectionString="data source=192.168.1.71; initial catalog=VelocityAMLReport;persist security info=True;user id=sa;pa
20    </connectionStrings>
21
22    <appSettings>
23      <add key="TestKYC" value="13" />
24      <add key="webpages:Version" value="3.0.0.0" />
25      <add key="webpages:Enabled" value="false" />
26      <add key="vs:EnableBrowserLink" value="false" />
27      <add key="ClientValidationEnabled" value="true" />
```

Principal Server | Mirror Server

[Fig-3]