

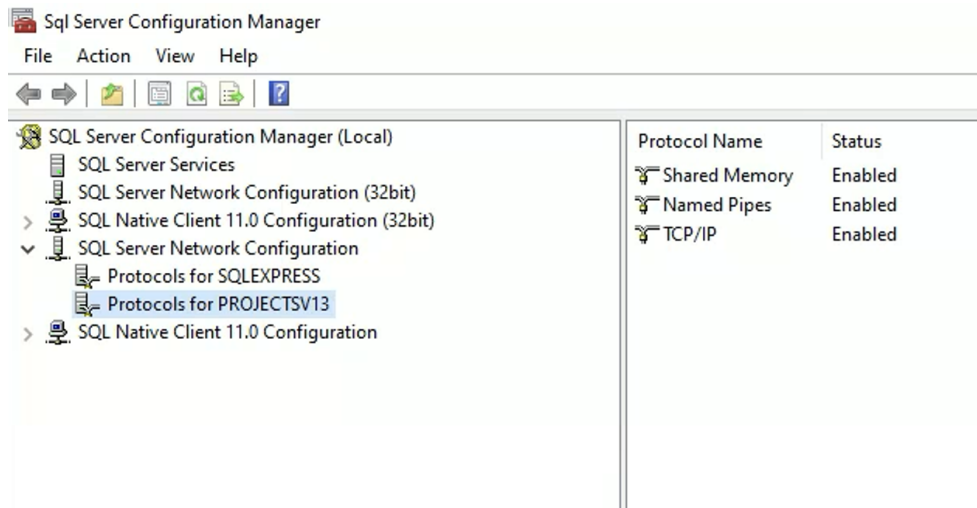
Instructions For Setting Up the Database

To install and run the local SQL Server Database you will need:

- A windows PC
- SQL Server Management Studio (SMSS)

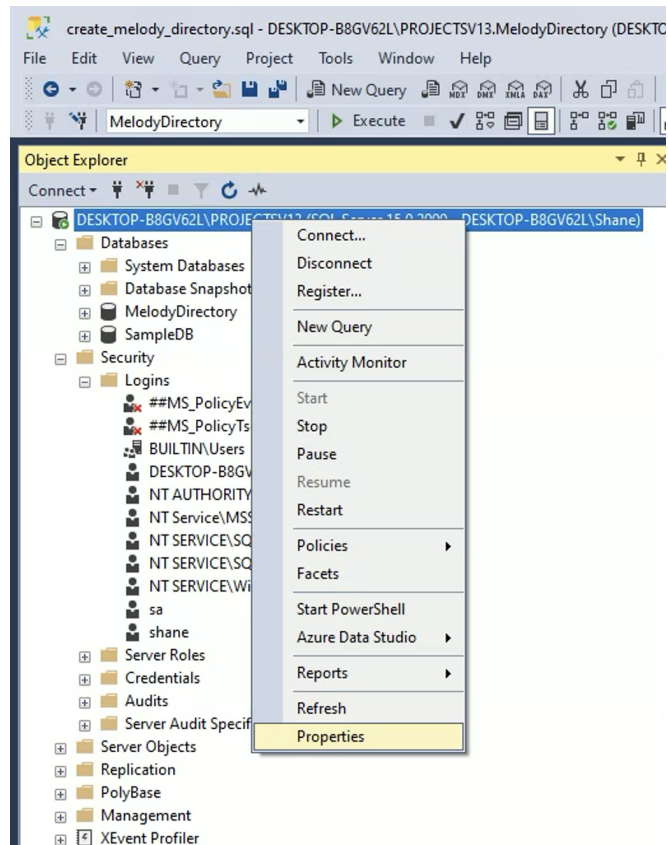
You will need to install and run SMSS. Then open our database script (create_melody_directory.sql) in SMSS. You may be prompted to create a SQL Server instance, which you can name whatever you would like. Then run the database script.

You will notice that a bunch of tables are printed in the TSQL section, that is fine because those are the results of our tests. Now that the database has been created, you will need to mess with properties of the SQL Server instance. In the windows search bar, you will need to search “SQL Server 2019 Configuration Manager”. When you open that you will need to find the SQL Server Network Configuration page. That looks like this:

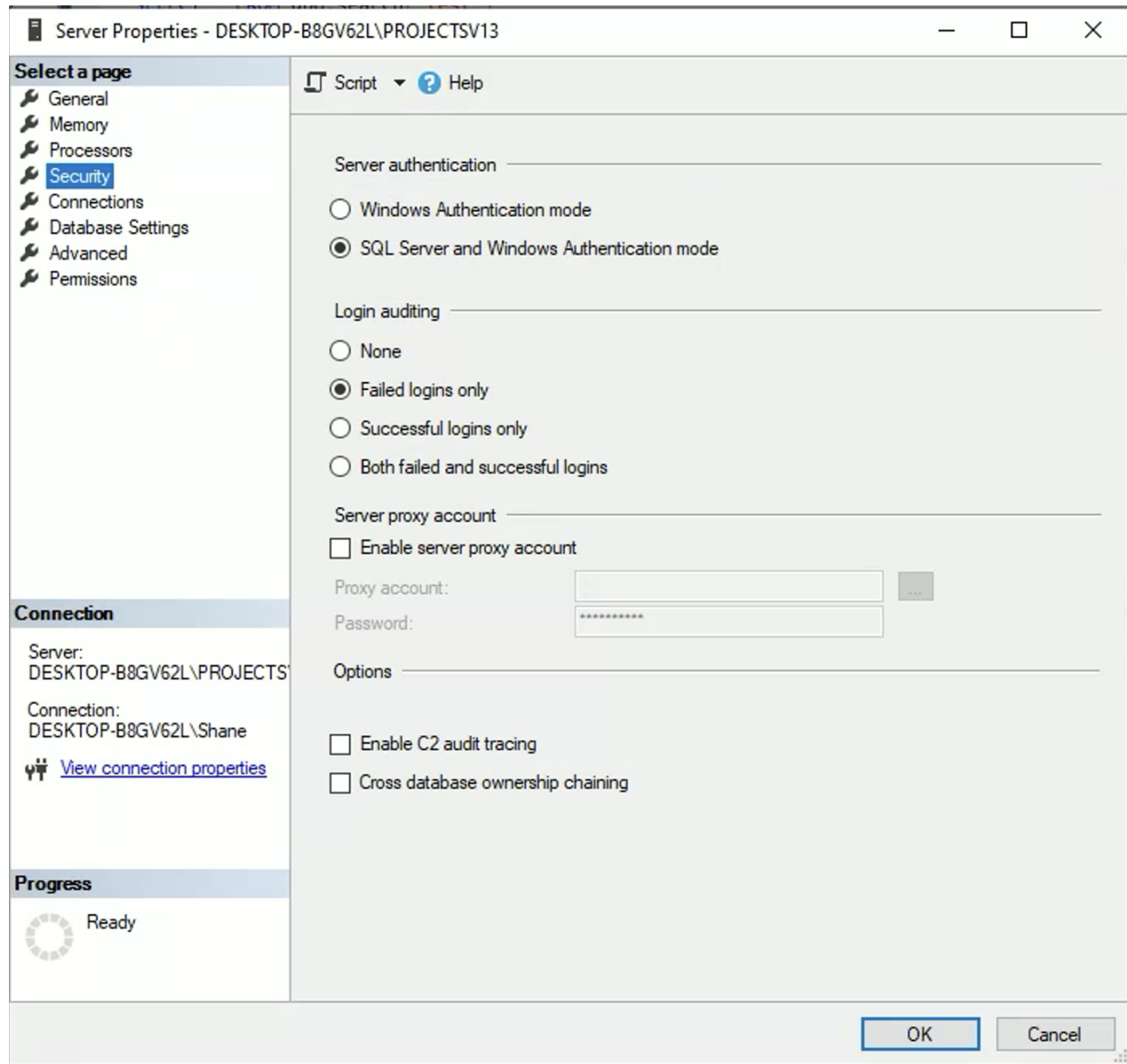


Make sure that all of the protocols on the right are enabled.

Next you will need to go back to SMSS and right click on the server instance name and select properties.



Next you will navigate to the security page and make sure that SQL Server and Windows Authentication Mode is selected like this:



Now you should be ready to make a connection with Java to the SQL Server database using the connection string (Change the connection strings in the DBreturn.java file):
“jdbc:sqlserver://[your computer name]\\[your sql server instance name];databaseName=MelodyDirectory;user=sa;password=blank”