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FACULTY OF Engineering &  
Technology

## Which Driver to use When?

1. If you are accessing one type of database, such as only Oracle or DB2, the go for type-4.
2. If your Java application is accessing multiple types of database at the same time, then type 3 is the preferred driver.
3. Type 2 drivers are useful in situations, where a type 3 or type 4 driver is not available yet for your database.
4. The type 1 driver is not considered a deployment-level driver, and is typically used for development and testing purposes only. it has the worst performance and it is also available till 1.7 version

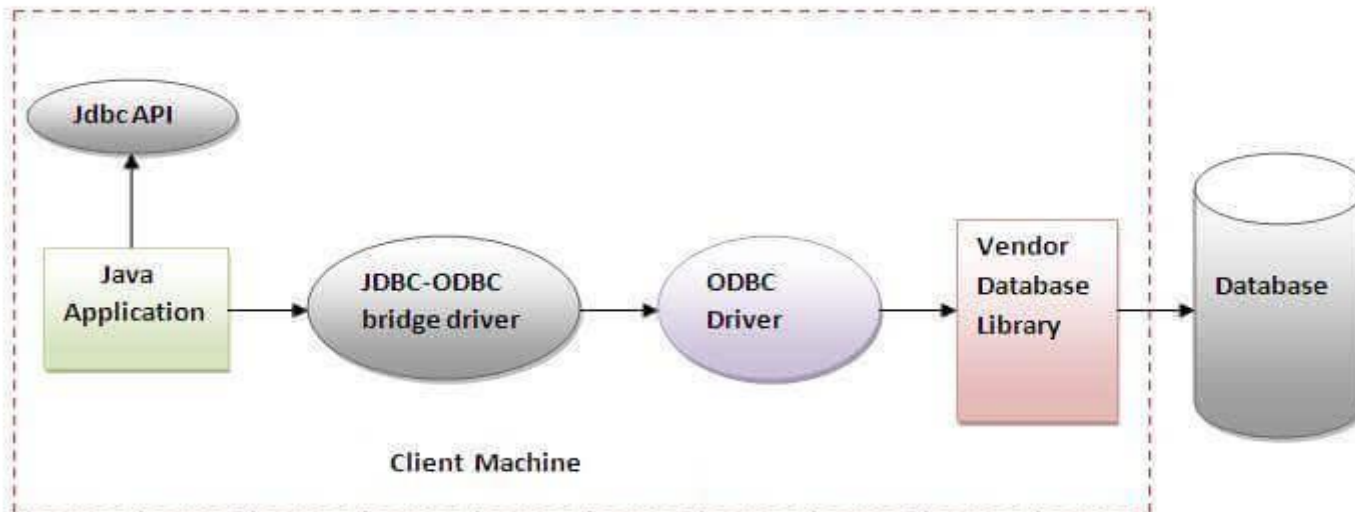


Figure- JDBC-ODBC Bridge Driver

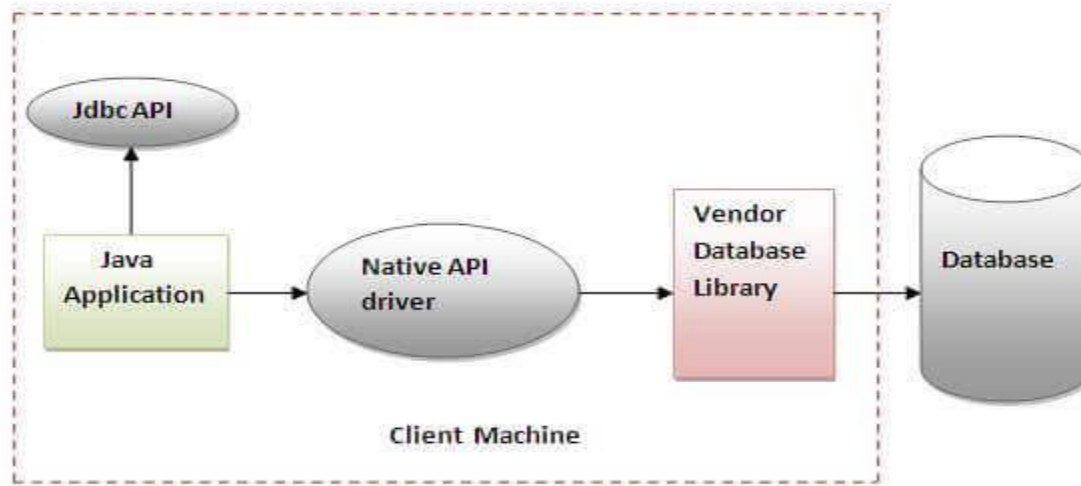


Figure- Native API Driver

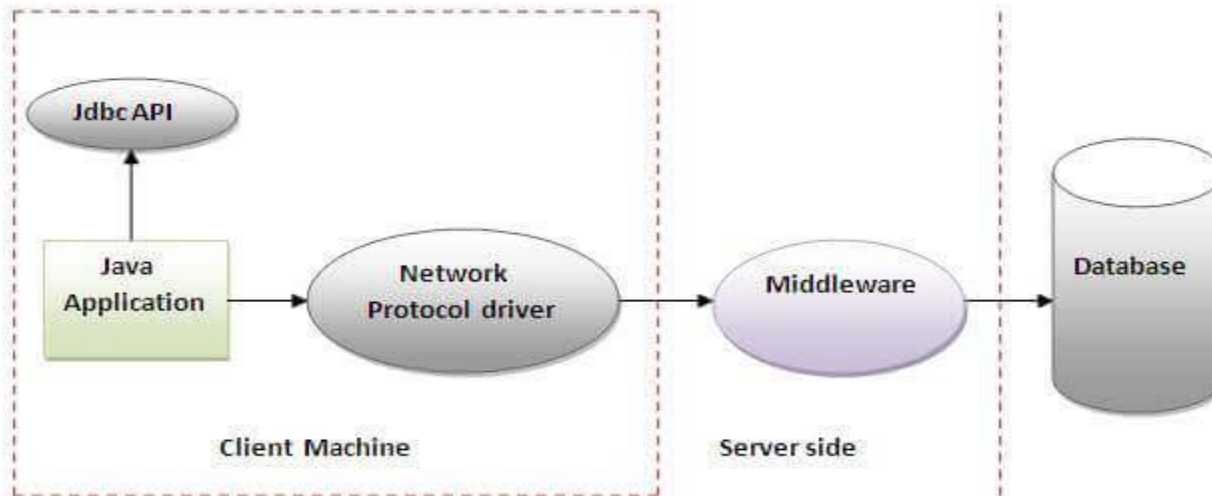


Figure- Network Protocol Driver

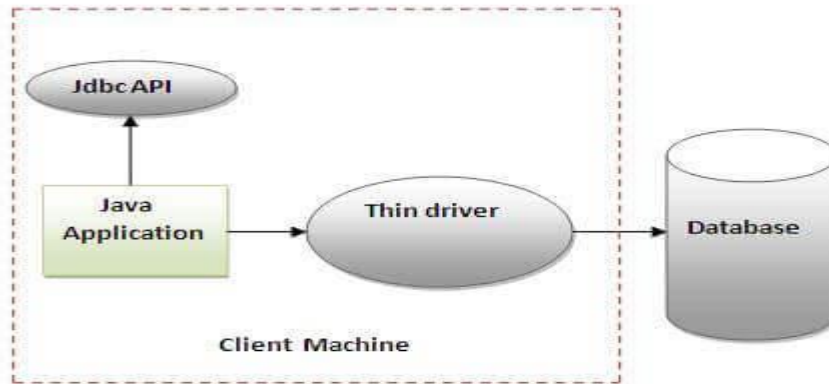


Figure- Thin Driver

## Steps to connect to database:

1. Register and Load the Driver
2. Create connection with database
3. Create statement
4. Send and Execute queries
5. Process the ResultSet
6. Close the connection