

Type-4 Driver prepares DBMS specific network message and then communicates with database server over a socket. This type of driver is light weight and generally known as thin driver.

Type-4 Driver uses database specific proprietary protocol for communication and implemented by DBMS vendor.

It can also be used in server side and when we want auto downloadable for client side.

eg: Thin driver for Oracle, Weblogic & MssqlServer 4 for MSSQL.

Advantages:

- 1) Server as pure Java driver and is auto downloadable.
- 2) Doesn't require any native library to be installed on client.
- 3) Uses database server specific protocol.
- 4) Doesn't require middleware server.

Disadvantage:

- 1) It is vendor dependent.

Connection Interface:

The connection interface is used to connect the java application with particular database. After creating the connection with the database we can execute SQL statements for that particular connection using object of connection and retrieve the result.