

### *Database connection pooling*

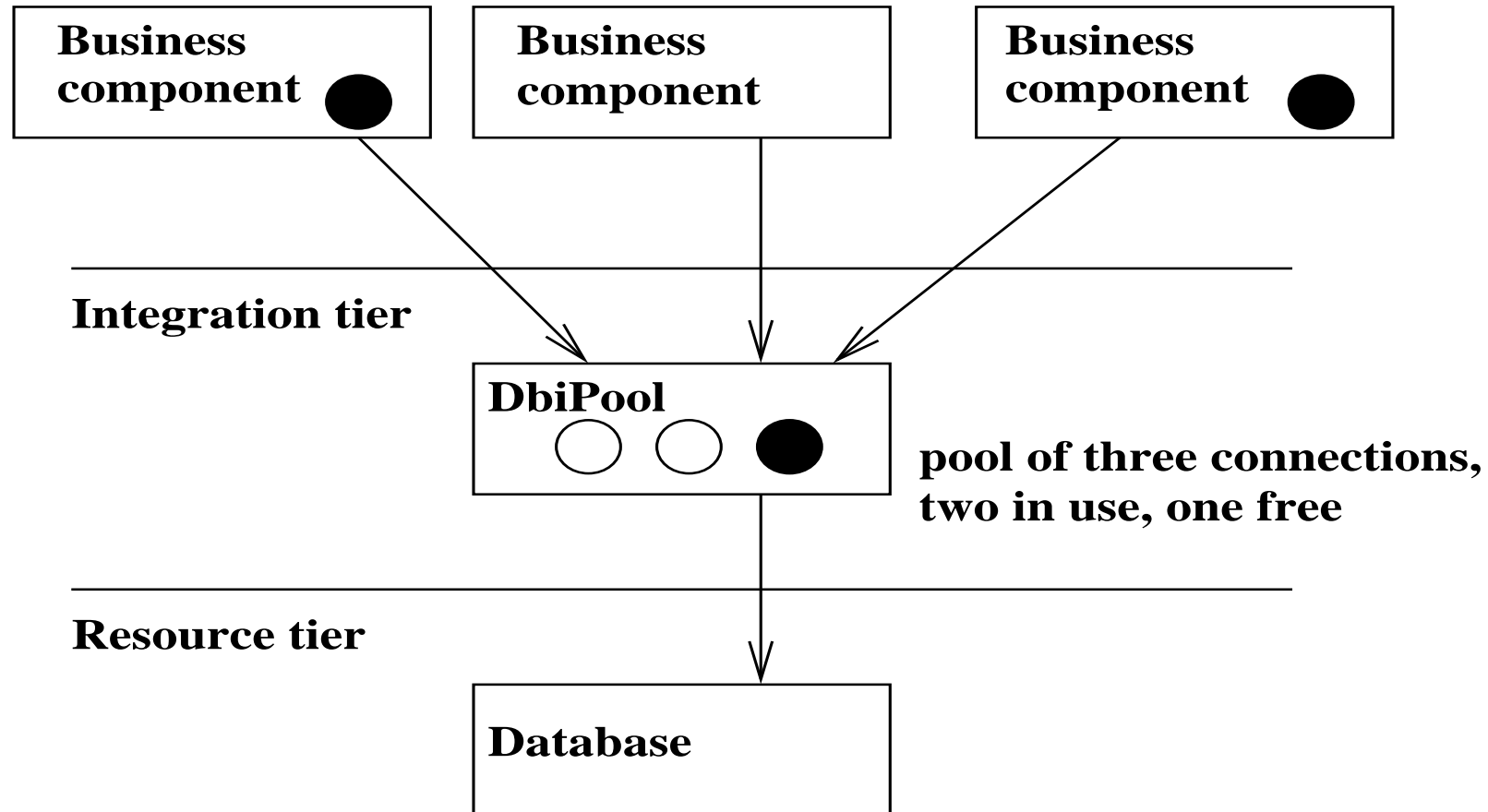
A particular technique useful for increasing the efficiency of a database interface is introduction of a connection pool: creating a connection to a database is expensive, and should be minimised.

This can be achieved by creating a connection management component, *ConnectionPool*, which holds a set of pre-initialised connections.

Components which require a connection must ask the pool for a free connection: *con = pool.getConnection()*. When they have finished using it they must return it to free set: *pool.returnConnection(con)*.

JDBC provides pooling in *javax.sql.DataSource*.

## Business tier



Introducing a connection pool