

Connecting JDBC to the Relational Database

USING THE DRIVER MANAGER AND SERVICES



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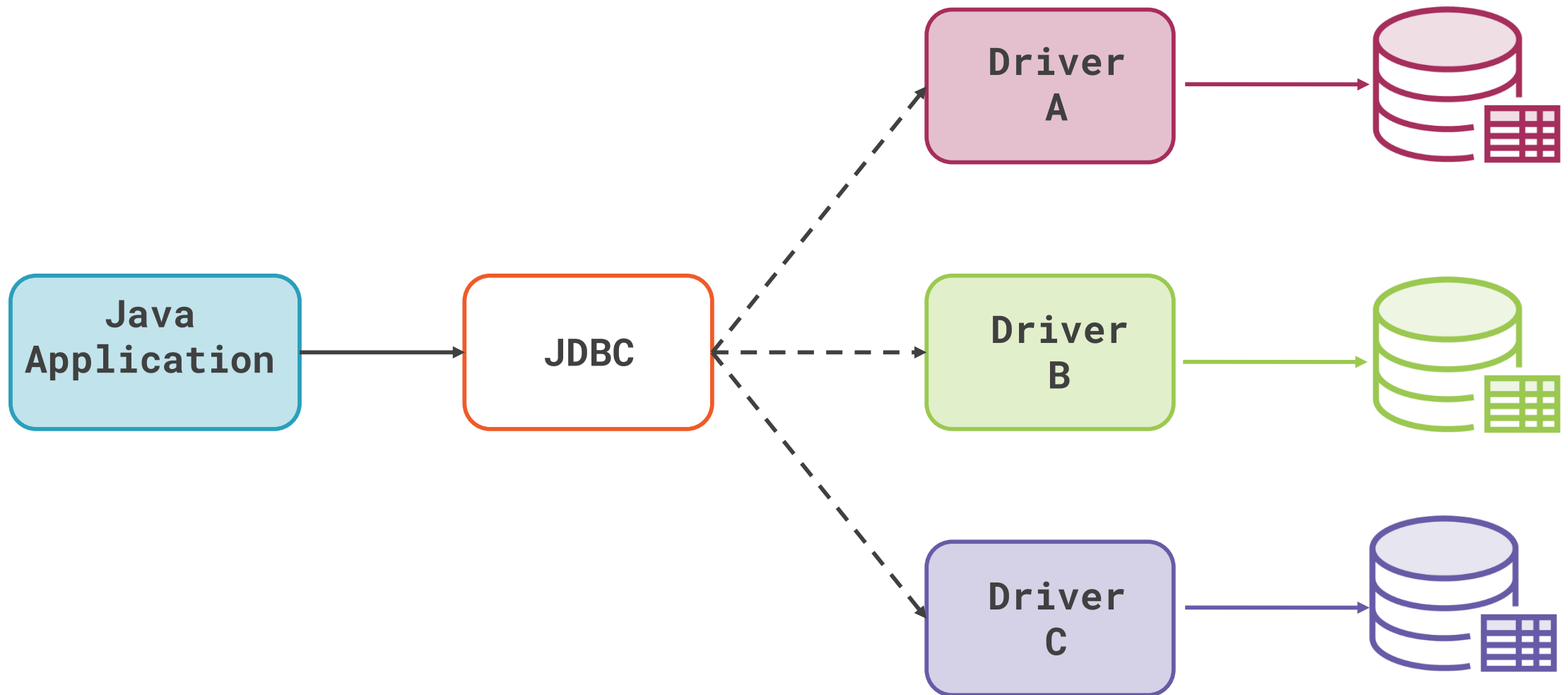
Overview



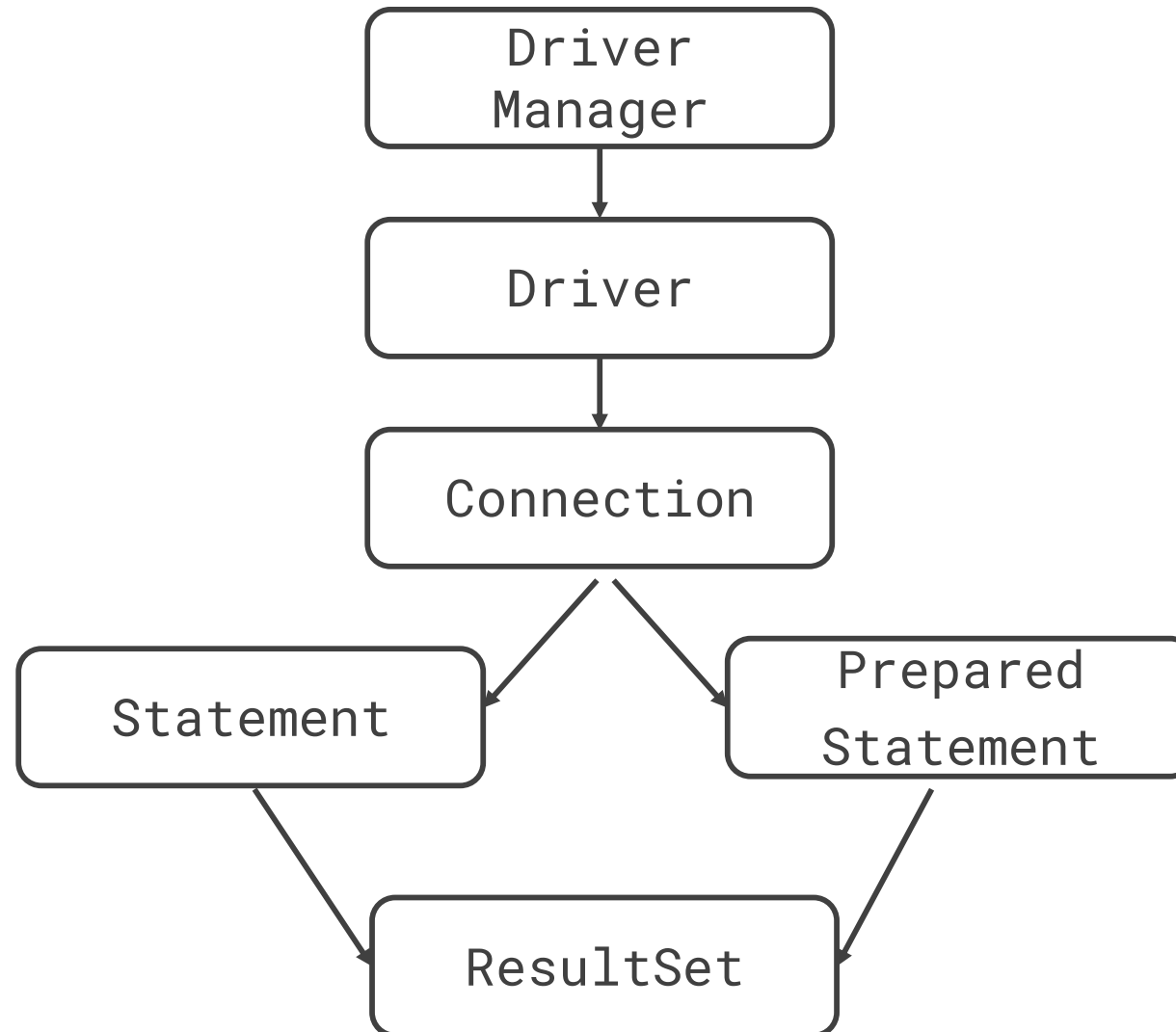
Connection Methods

- DriverManager with Services
- Class.forName() with DriverManager
- DataSource
 - JNDI
 - Java / Jakarta EE
 - CDI

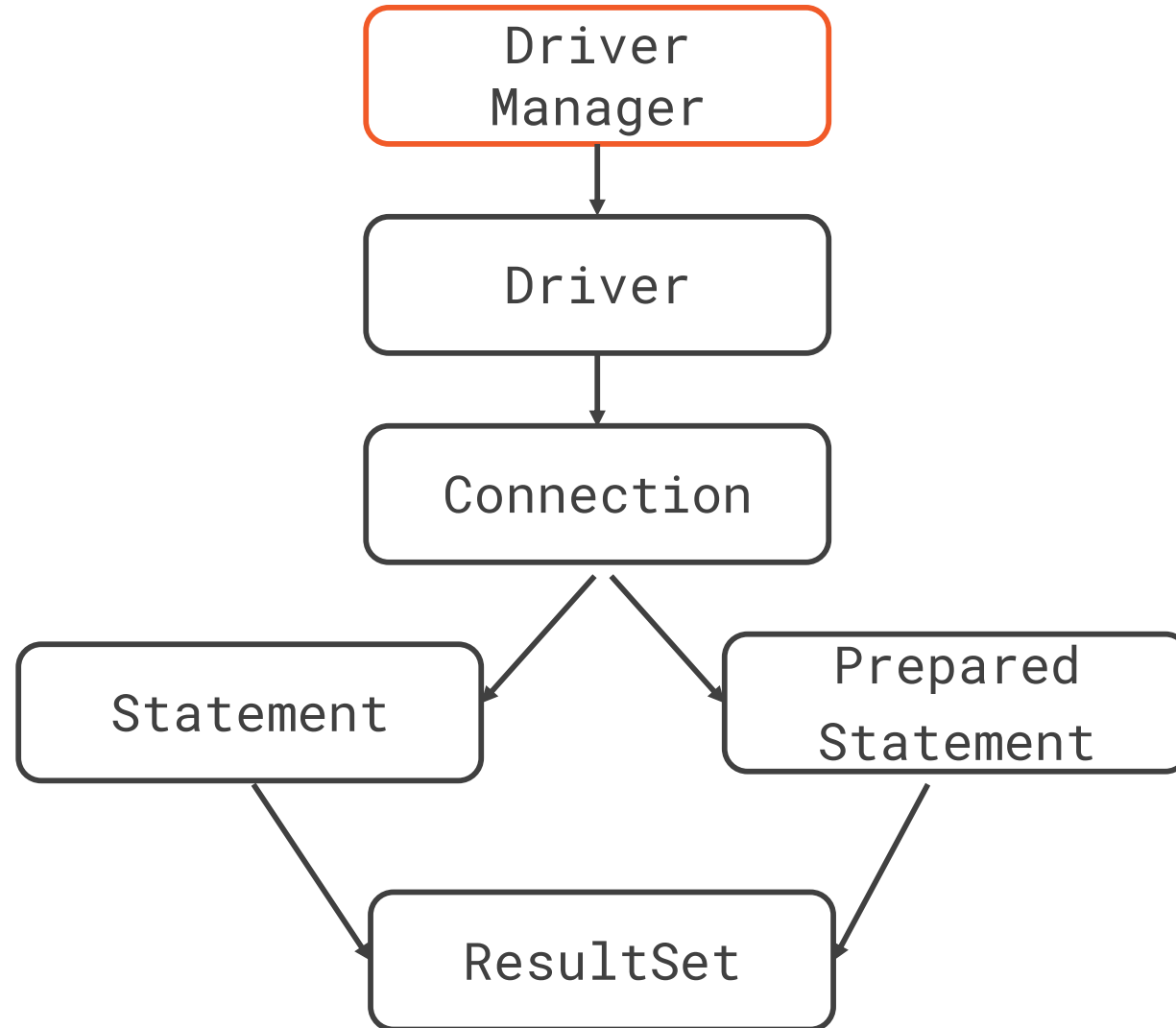
JDBC Follows the Façade Pattern



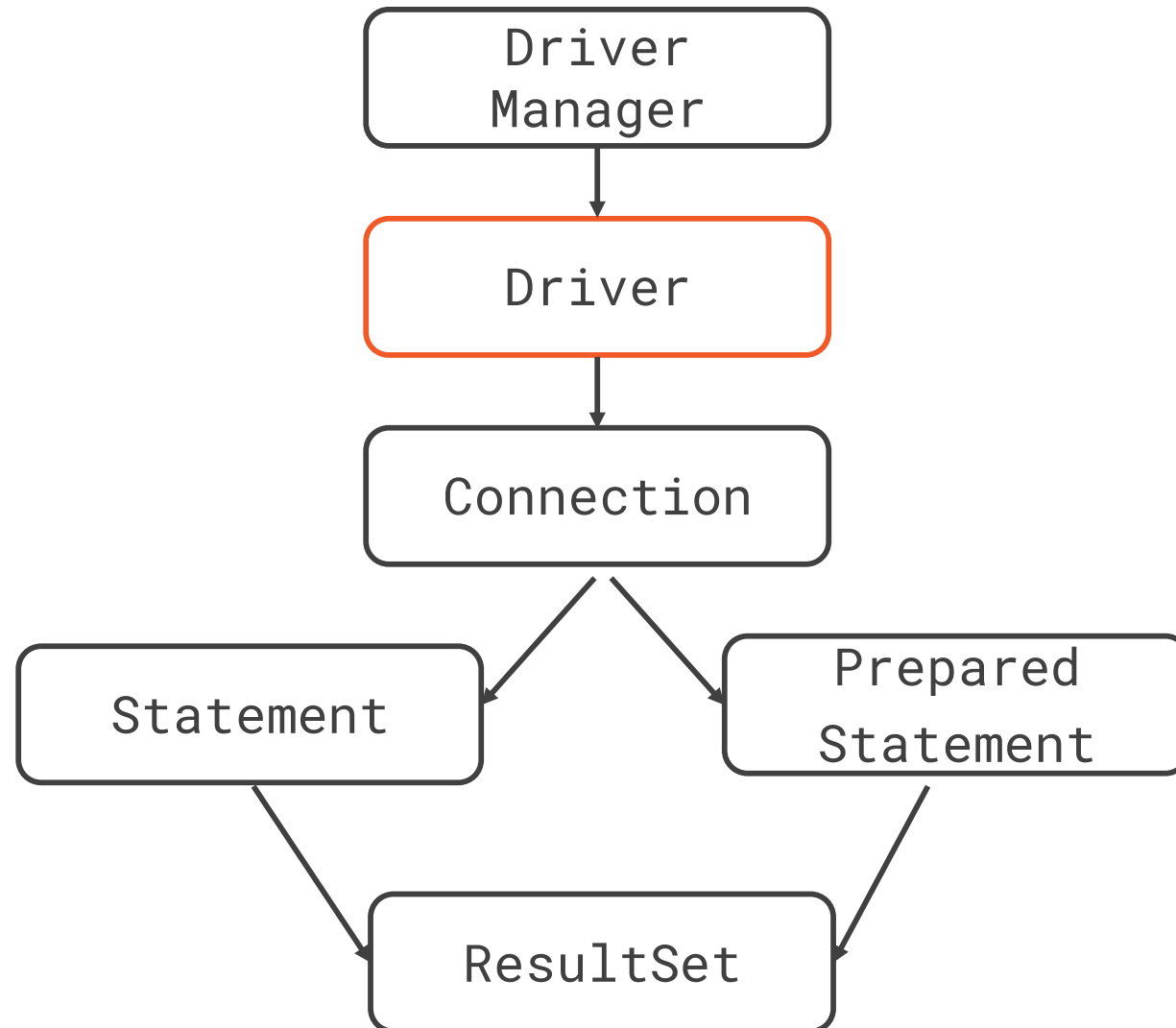
JDBC Interfaces



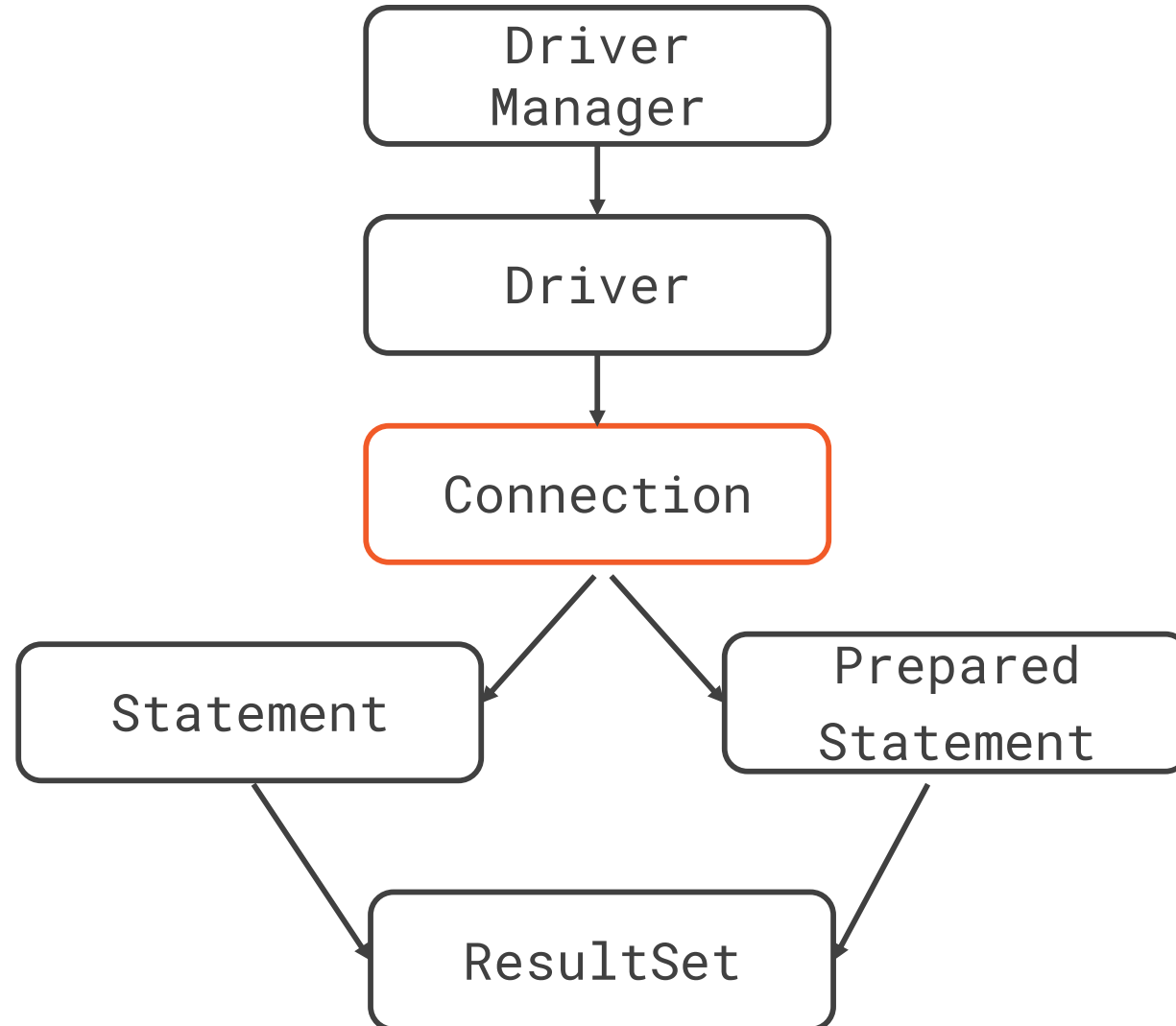
JDBC Interfaces



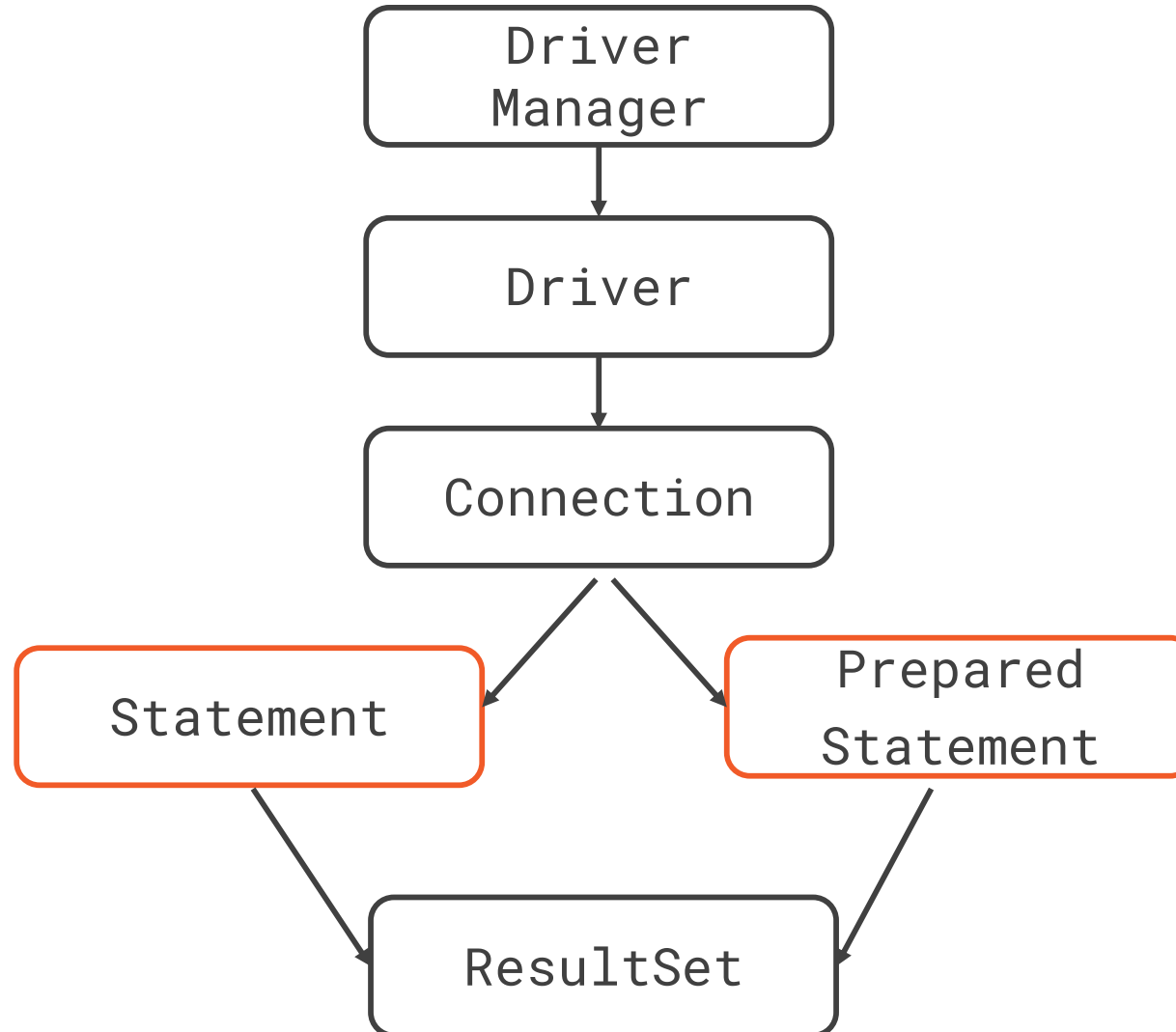
JDBC Interfaces



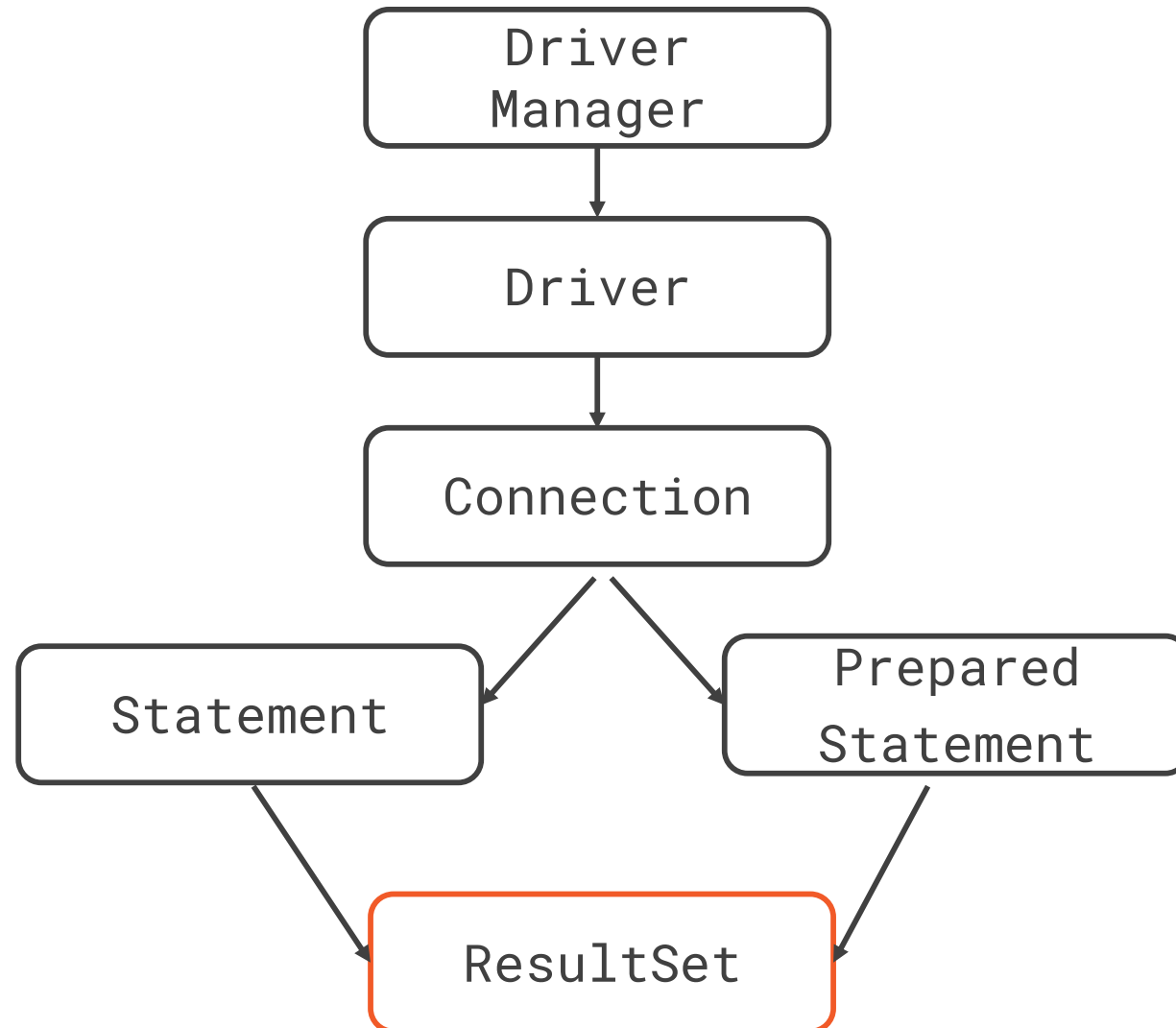
JDBC Interfaces



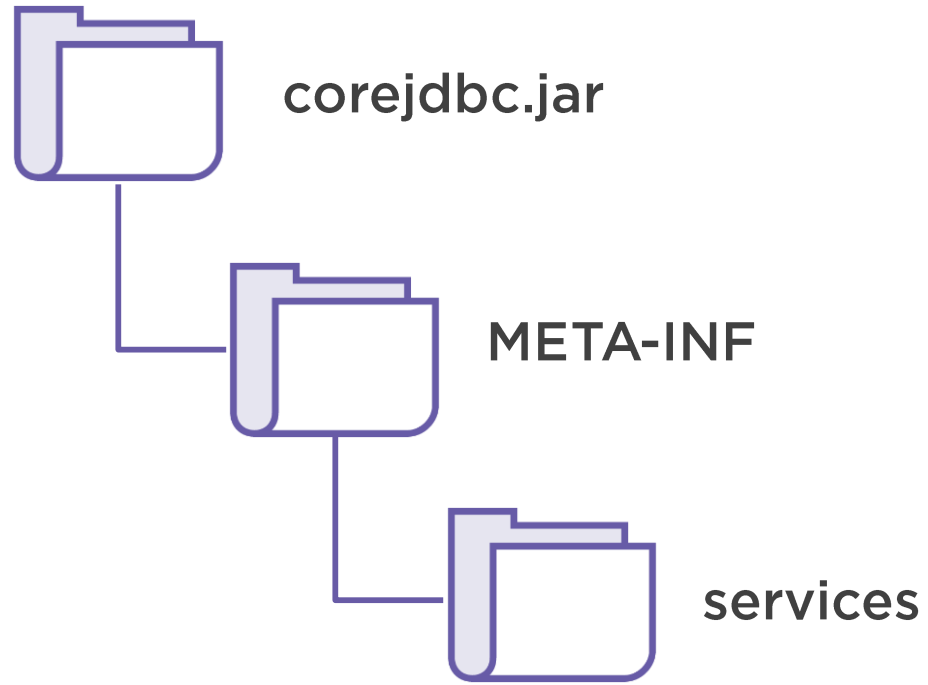
JDBC Interfaces



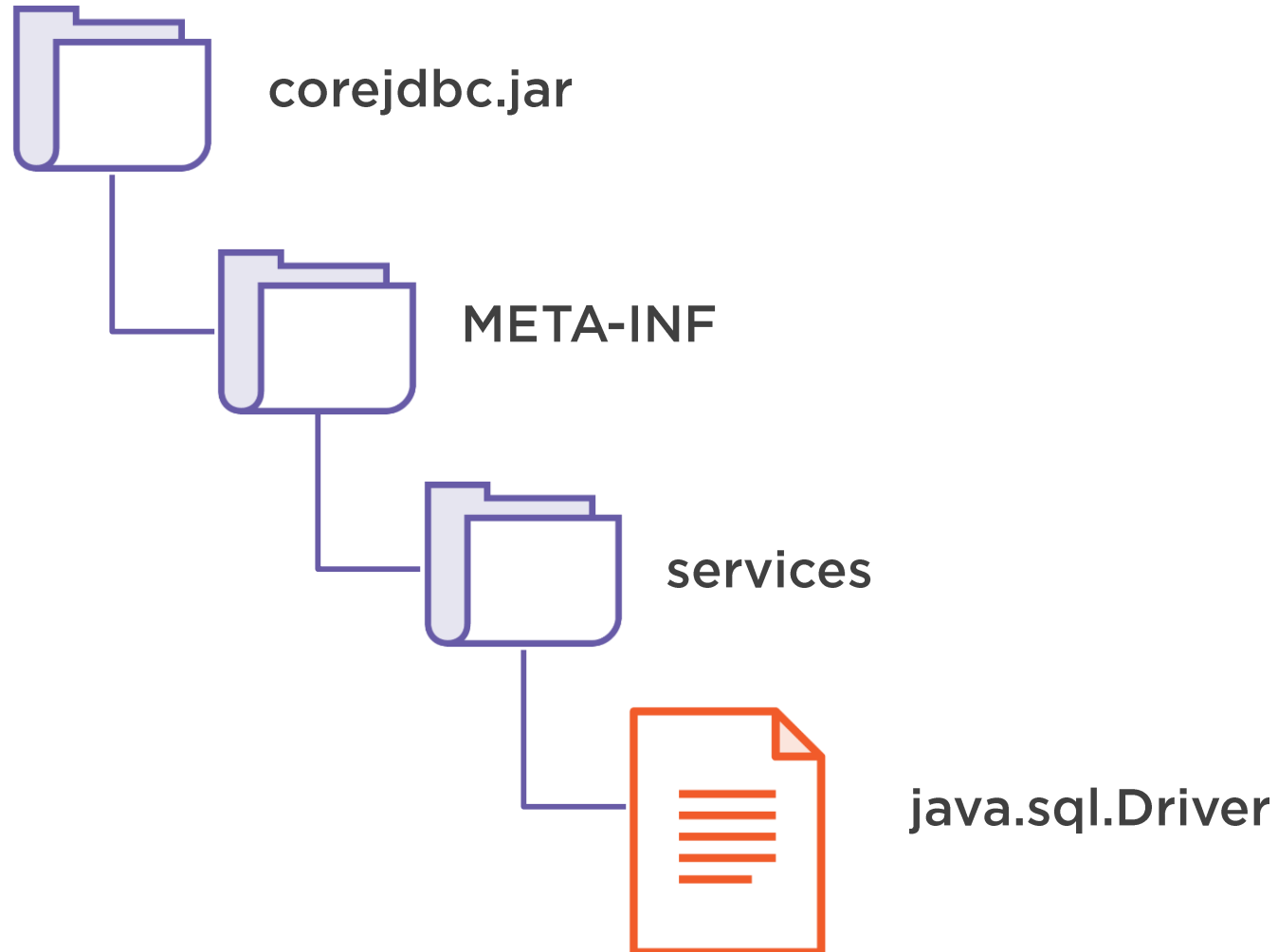
JDBC Interfaces



Register The Driver Managers



Register The Driver Managers



IntelliJ



Eclipse



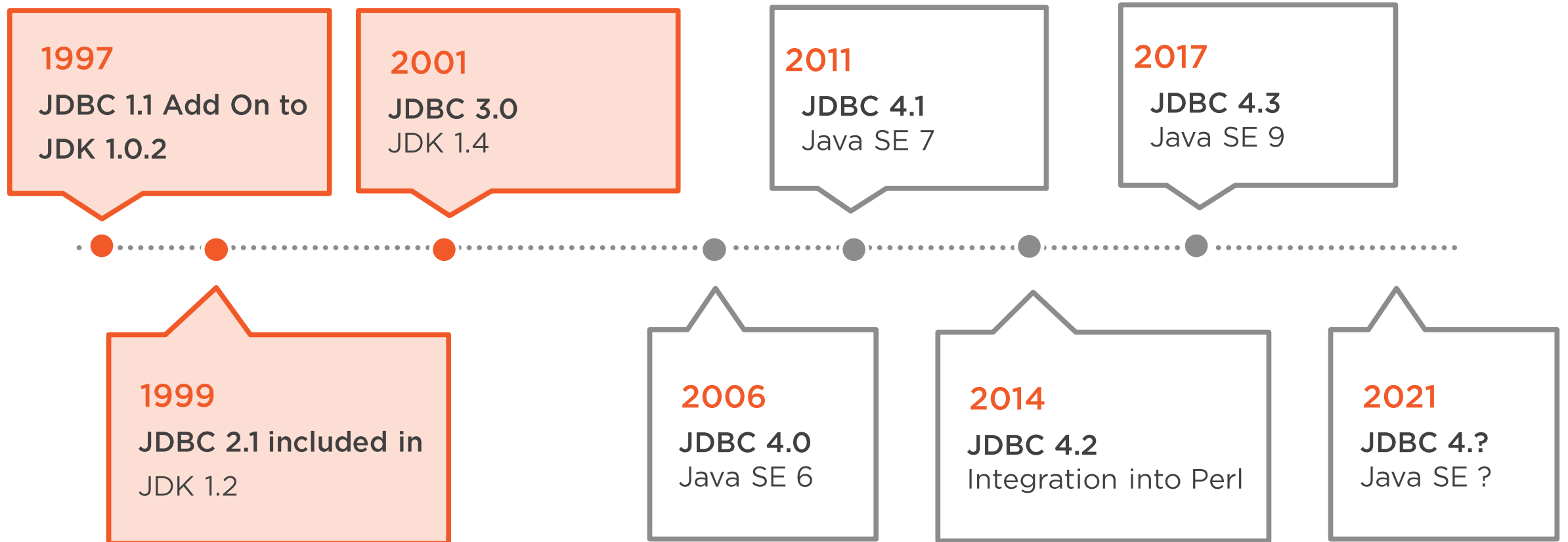
All



Using Class.forName() with Legacy Applications



Timeline of Events



Using the JDBC DataSource



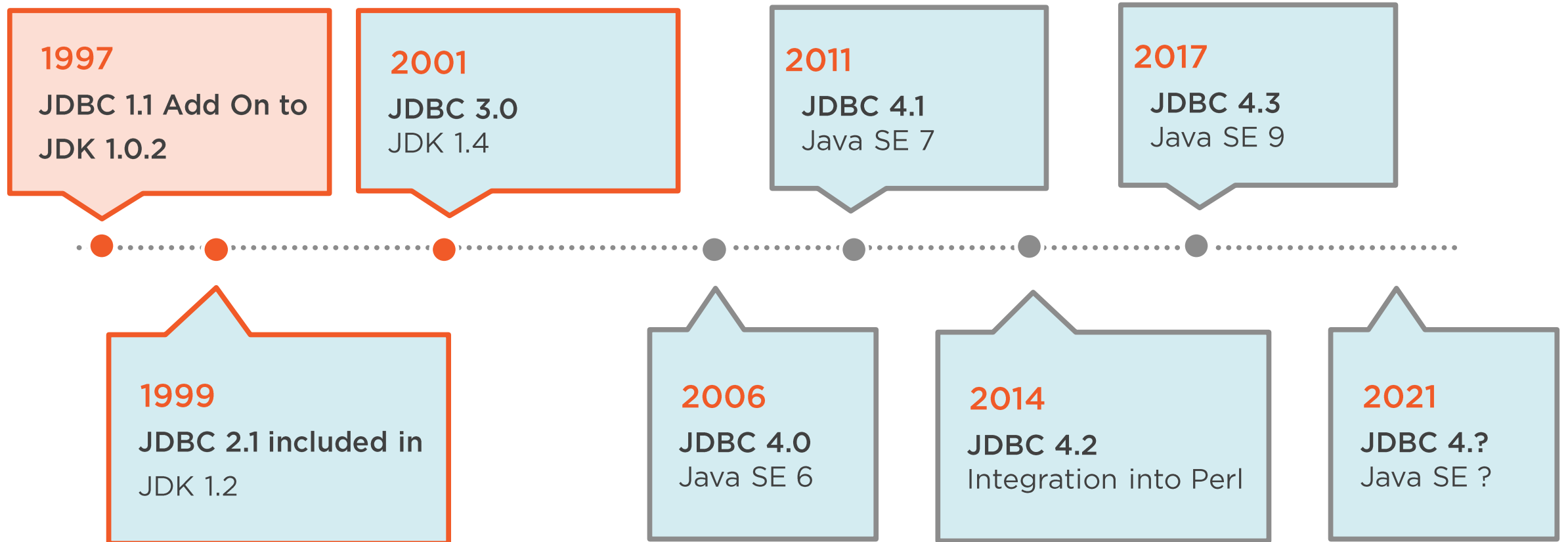
Overview



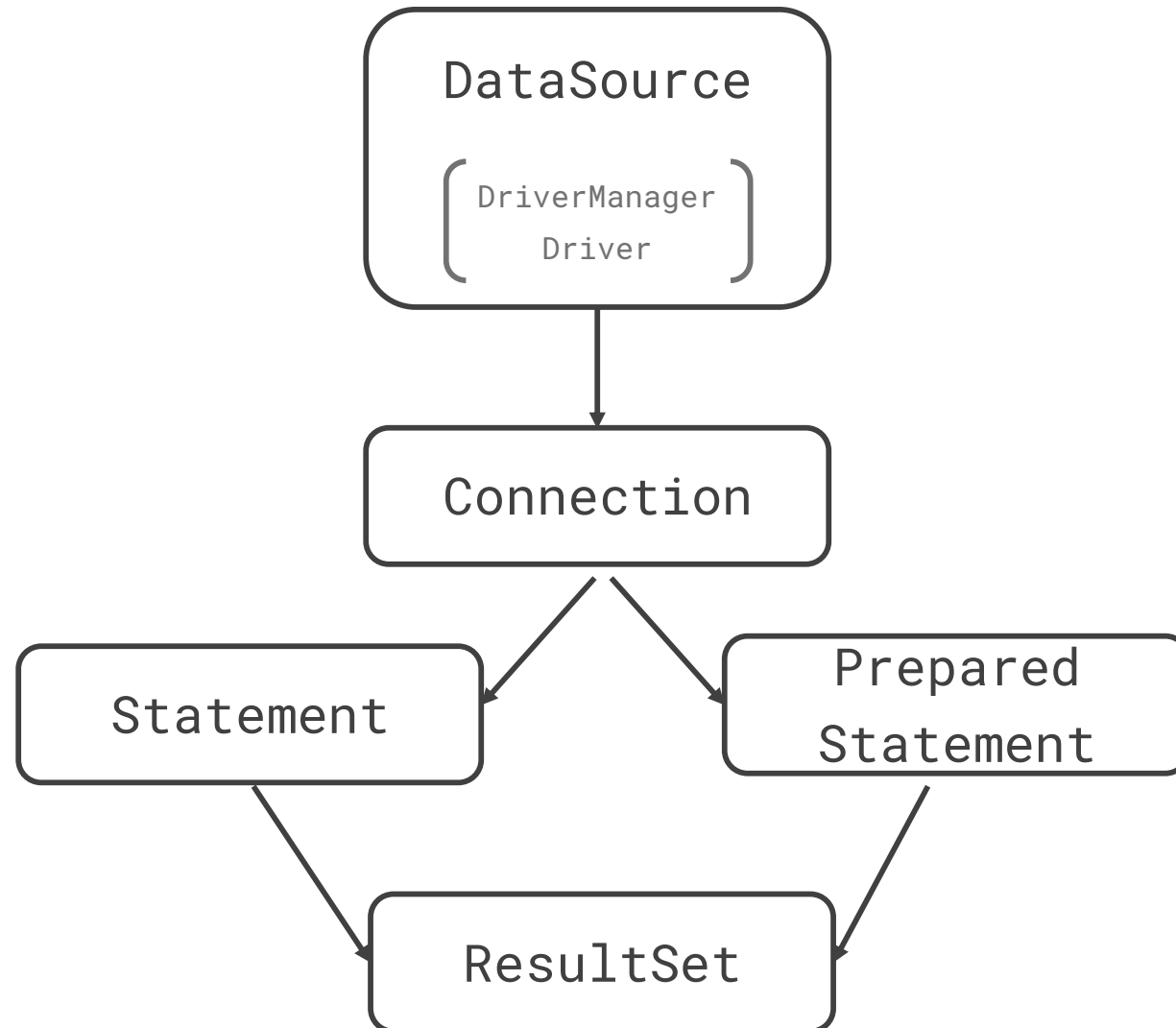
Obtaining a DataSource using:

- J2EE JNDI
- Java EE / Jakarta EE @Resource
- CDI @Inject

Timeline of Events



JDBC DataSource



J2EE and JNDI



Java EE / Jakarta EE
@Resource



CDI @Inject



Summary



Obtaining a DataSource using:

- J2EE JNDI (source code only)
- JEE @Resource (mock)
- CDI @Inject (mock)

From this point forward

- DriverManager and services

