

# Week 2 Unit 1: Developing the JPA Model – Theory

# Developing the JPA Model – Theory

## SAP HANA Cloud Platform, persistence service

### Standards-based access

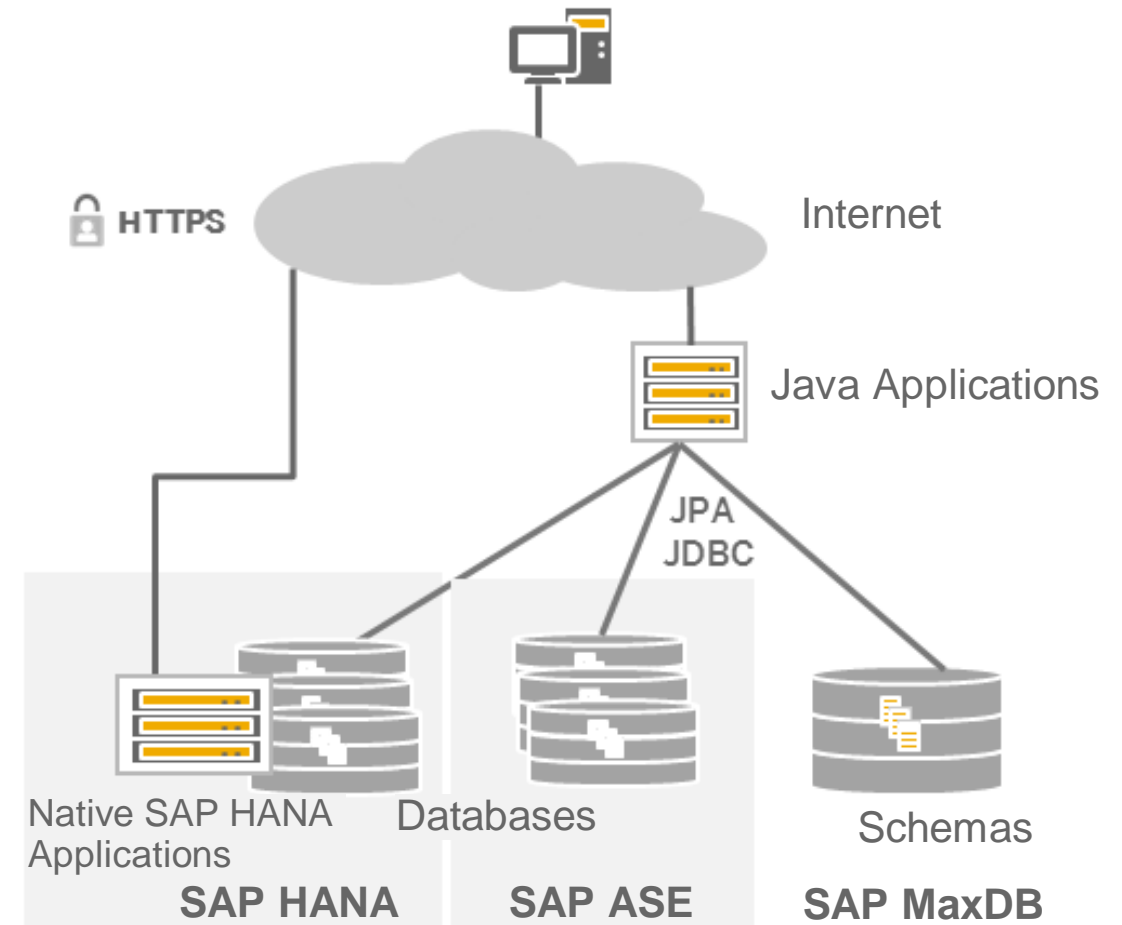
- JDBC
- JPA 2.0

### Choice of database platform

- SAP HANA
- SAP ASE
- Apache Derby (for local development)

### Database management

- Create databases in your account
- Bind databases to applications
- Database management available in cockpit



# Developing the JPA Model – Theory

## Java Persistence API (JPA)

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- Describes management of relational data in applications
- Replaces persistence solution for EJB 2.0 CMP
- EclipseLink is reference implementation for JPA
- Default support in SAP HANA Cloud Platform runtimes for JPA 2.0

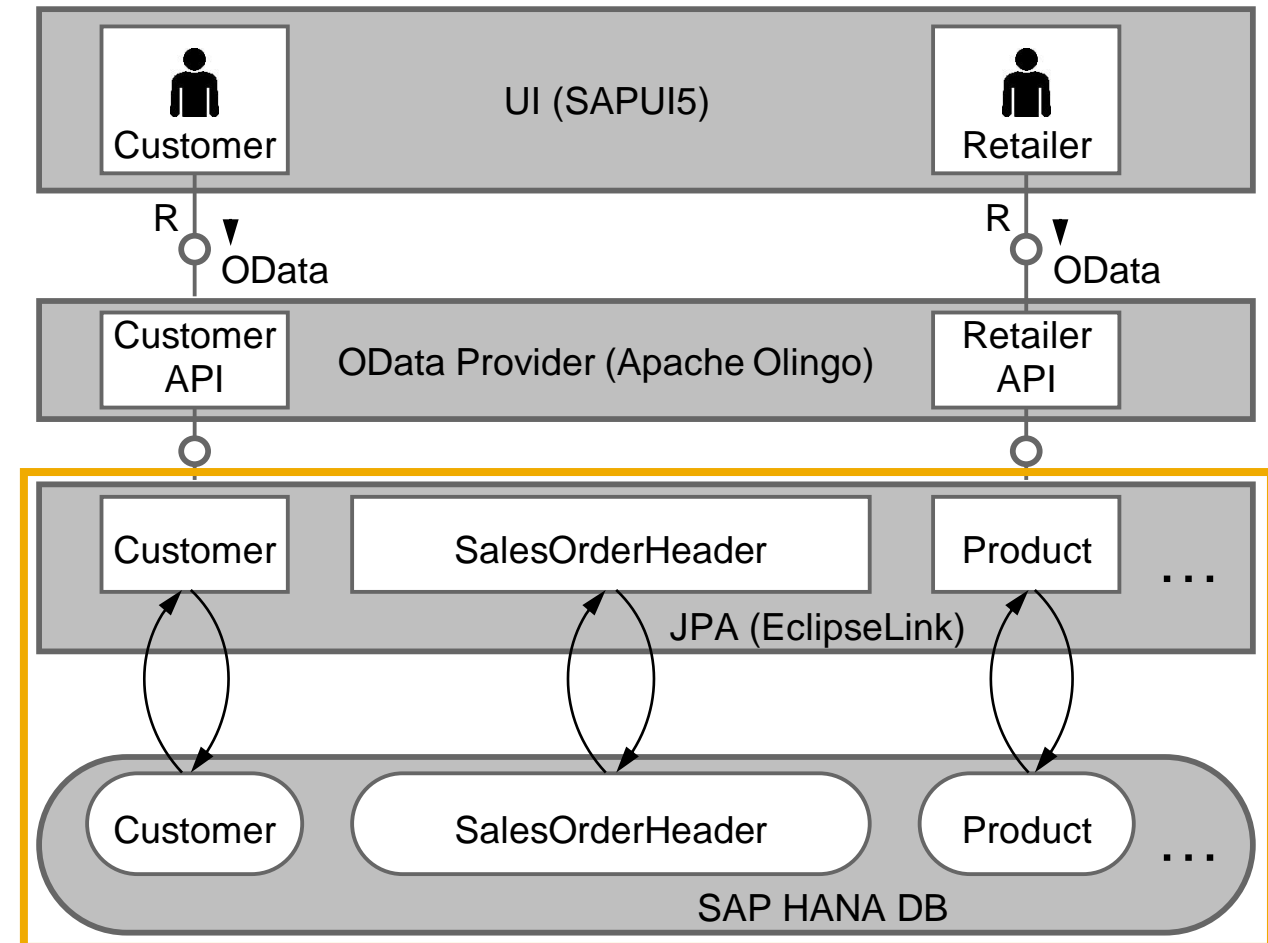


# Developing the JPA Model – Theory

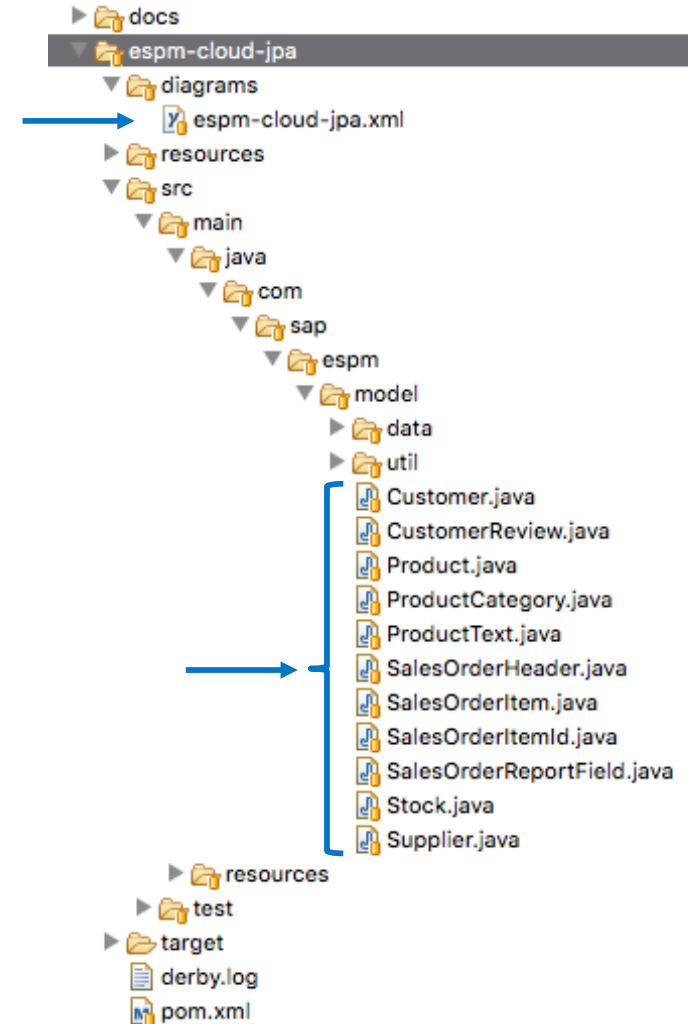
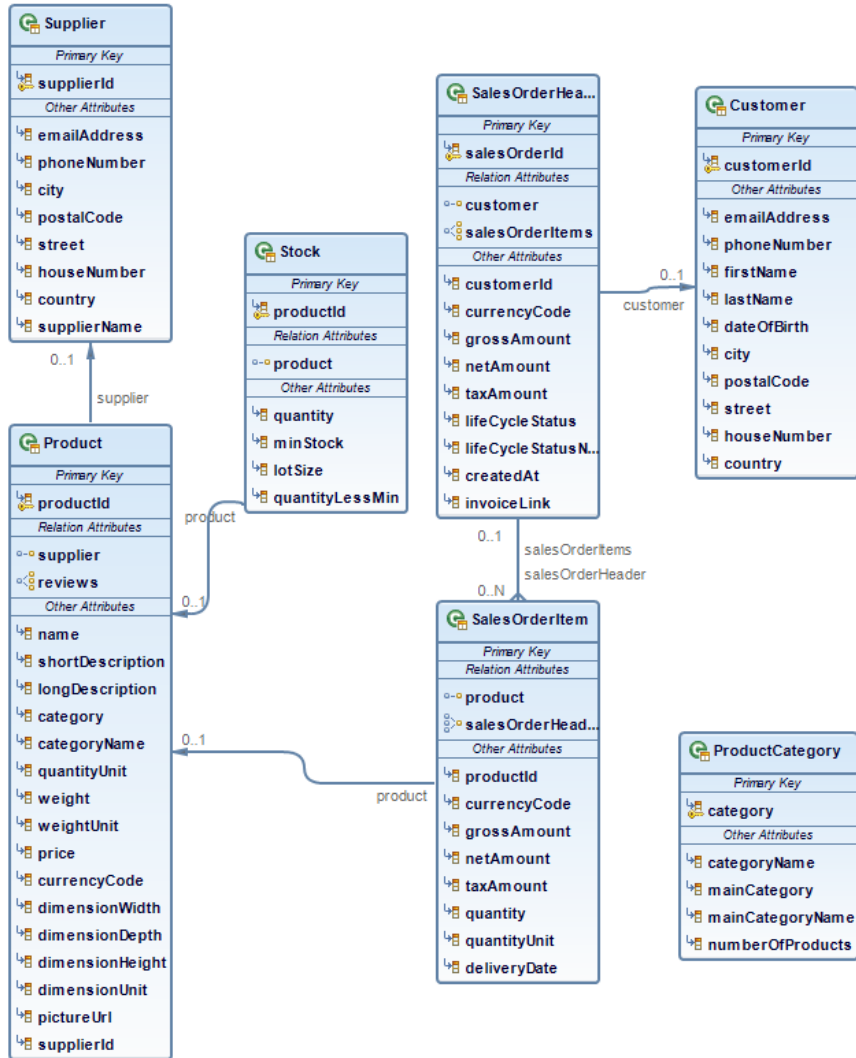
Involved components for this implementation part

## The ESPM application

- Runs on a Java server
- Leverages JPA (EclipseLink)
- Bound with a database binding to an SAP HANA database



## The JPA model of the ESPM application





# Developing the JPA Model – Theory

What you've learned in this unit

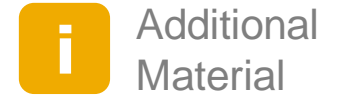
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- Persistence as a Service
- Java Persistence API (JPA)
- Involved components of the ESPM application for this implementation part
- The JPA model of the ESPM application

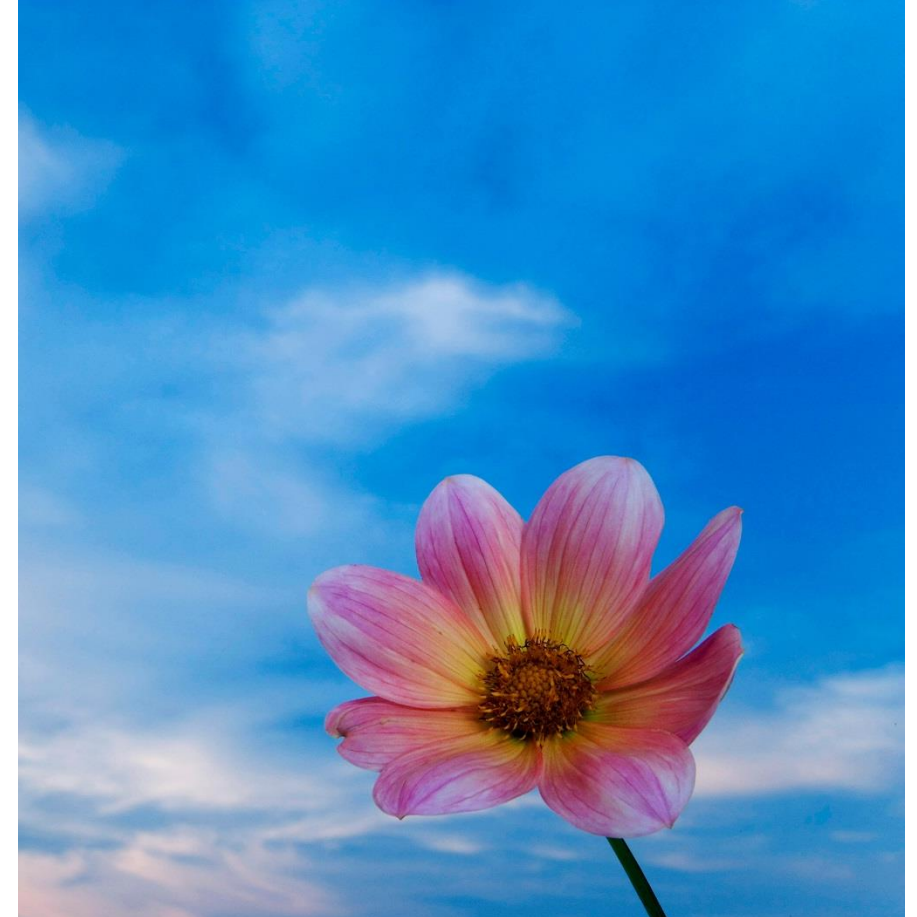


# Developing the JPA Model – Theory

## Further reading



- [SAP HANA Cloud Platform, SAP HANA service](#)
- [Java Persistence API](#)
- [EclipseLink](#)





# Thank you

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