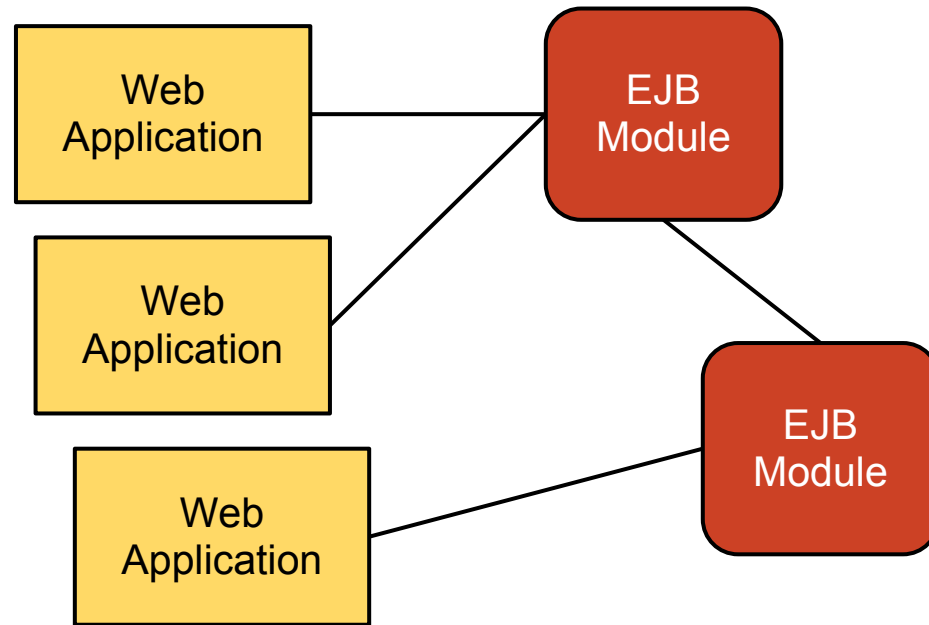


EJB Packaging

JPA Slides #5

Enterprise Applications Packaging



Application assembly

Non trivial...

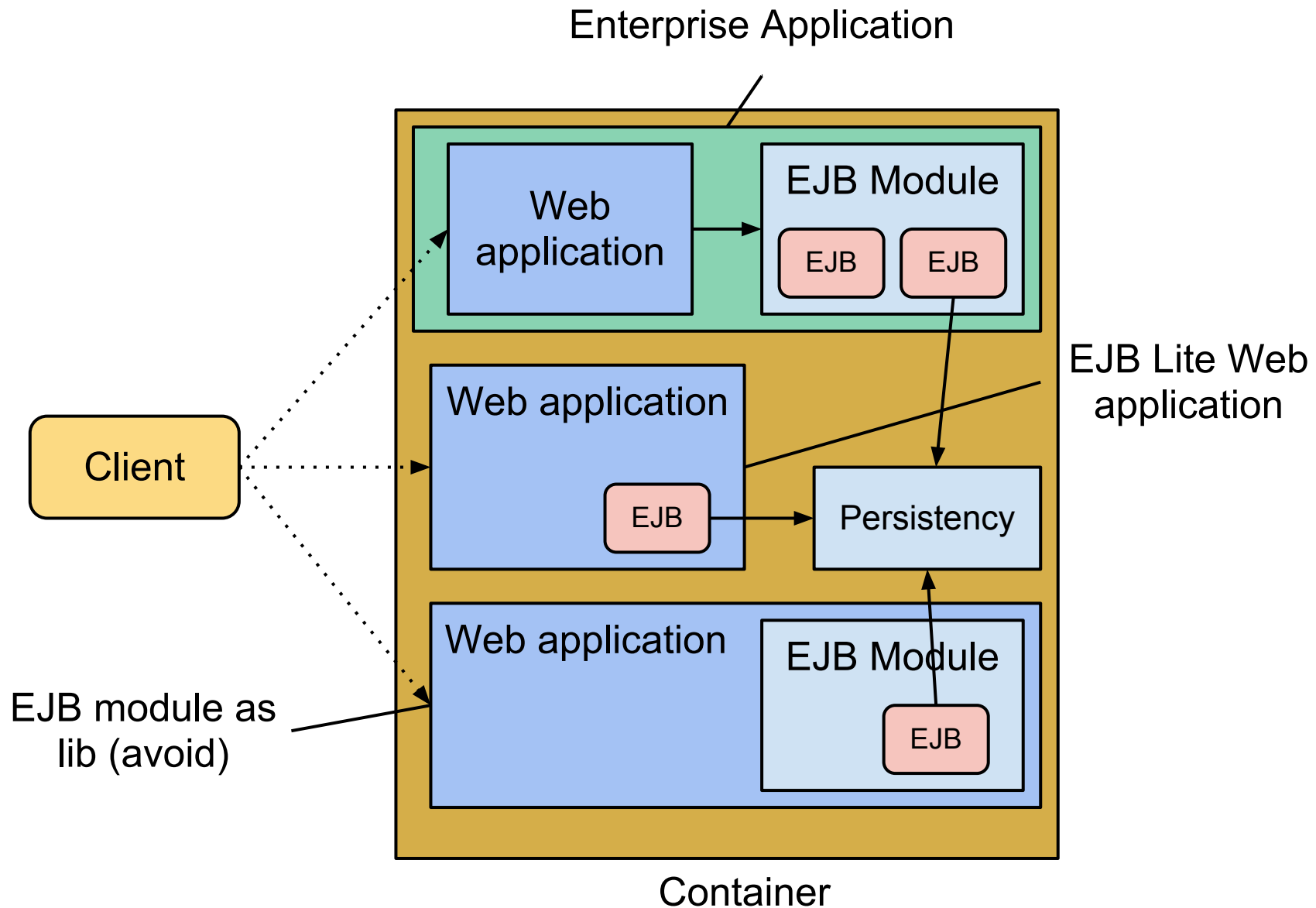
- Dependencies!

“The client view of an enterprise bean is comprised of the business interfaces or home and component interfaces of the referenced enterprise bean **and other classes that these interfaces depend on**, such as their superclasses and superinterfaces, the classes and interfaces used as method parameters, results, and exceptions.”

/EJB 3.1 spec 20.6

Possible dependencies!

Packaging



EJB Lite Packaging

Simple, no problems

- Standalone EJBs packed into war-file
- No external dependencies (nothing in pom.xml)
- Other lib's added by Maven dependencies

Web Application Packaging

Web application dependency on EJB module

- Pack EJB module into war-file
- Dependency on module in pom.xml
- Possible bad, other Web applications can't use (anti refactoring)

Enterprise Application Packaging

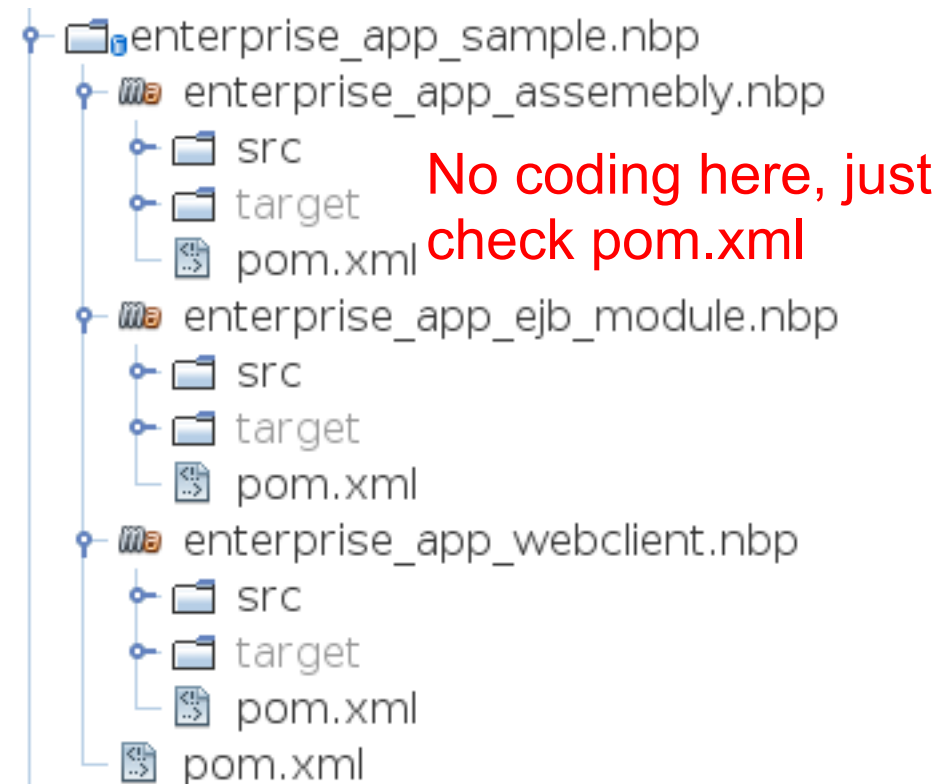
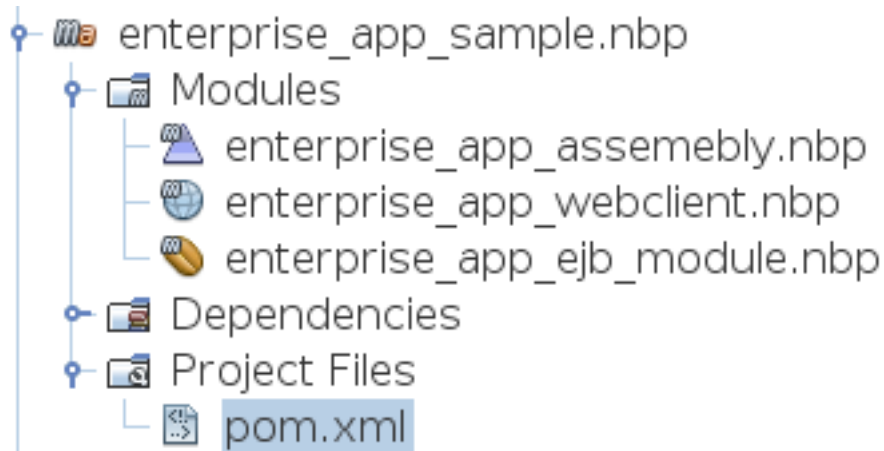
Web application and EJB module packed into ear-file

- Dependencies between modules in pom.xml
- All modules (web applications) must be listed in **enterprise application** pom.xml (many pom's). Each Web-application, EJB-module and one for the Enterprise app.

NetBeans Default Layout for Enterprise Application

Create Maven Enterprise Application (also possible to create modules and later add to enterprise application)

- Must open/close modules of enterprise application separately
- Confusing Projects View vs Files



Running Enterprise Applications

Assume enterprise project opened (the ordinary maven icon shown in Projects tab)

1. Select project, right click > Modules > ...
2. Select Open Project for all
3. Select ..enterprise-ear > Run