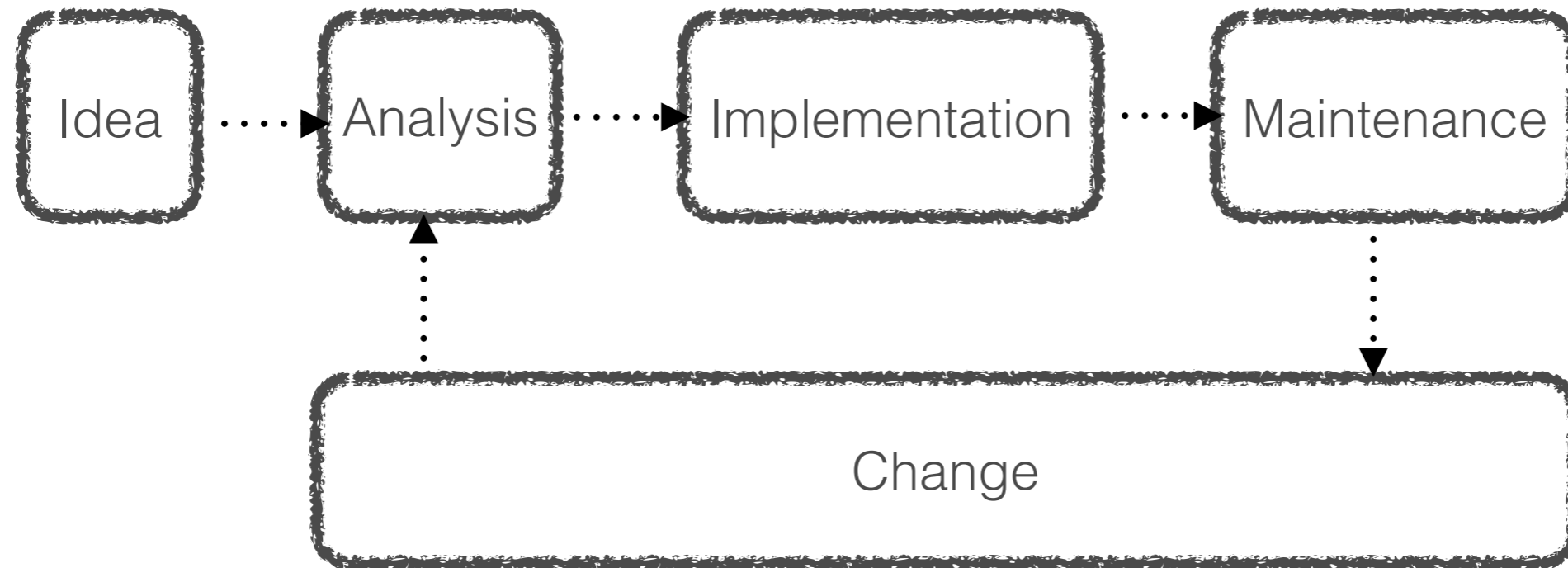


software enterprise view

Dimitar Makariev

June 14, 2011

The building software should be
consistent, repeatable, predictable

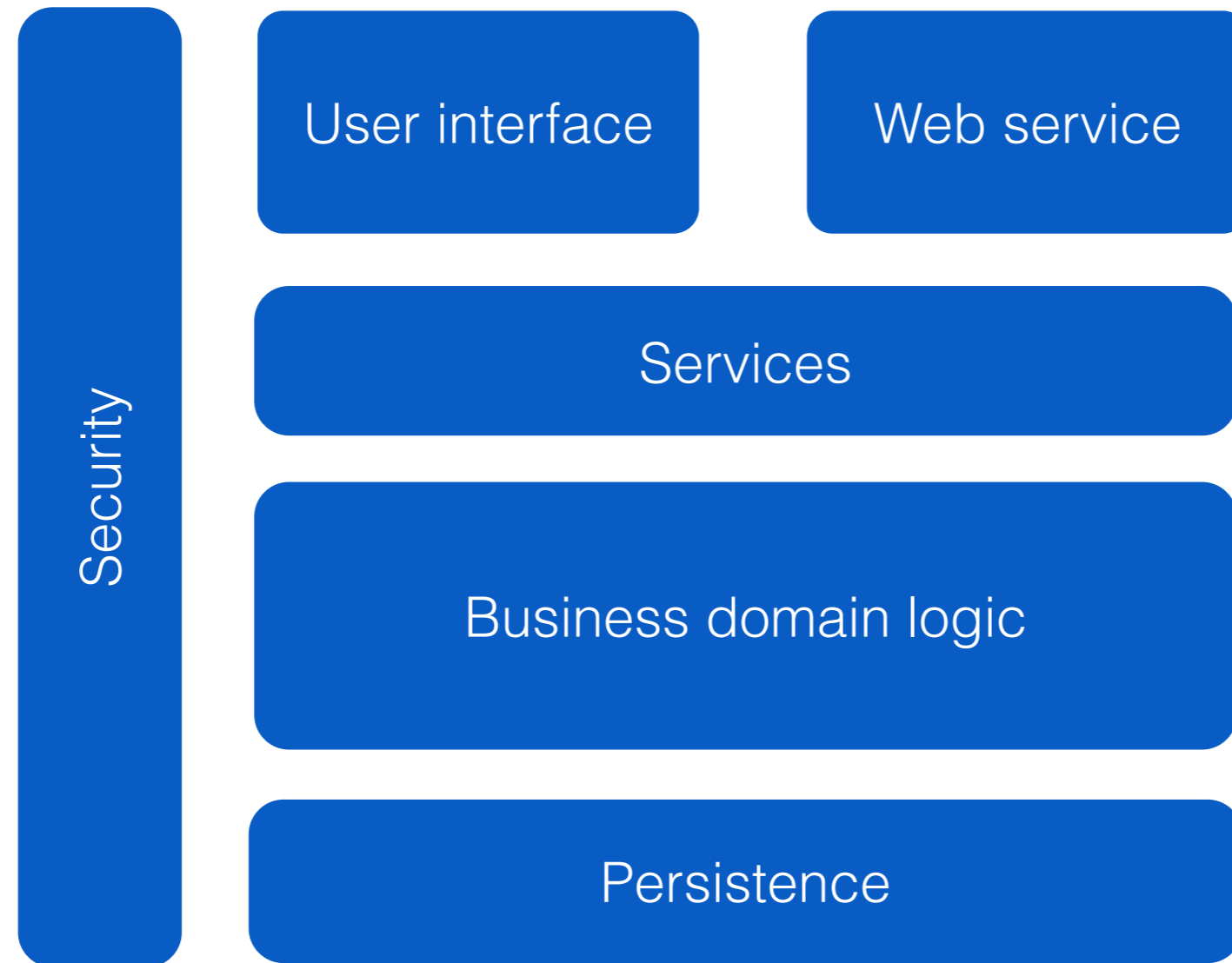


..... brings business value

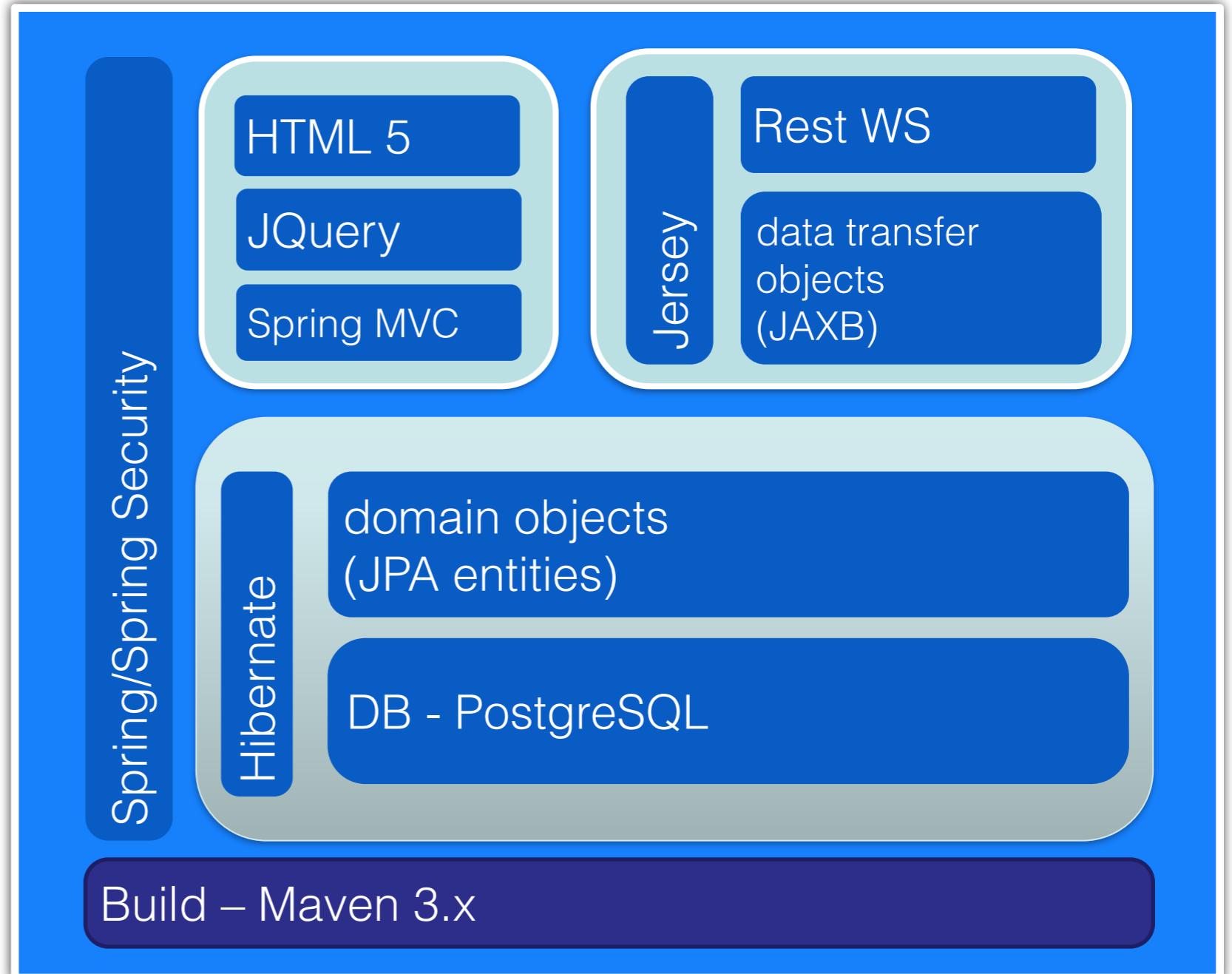
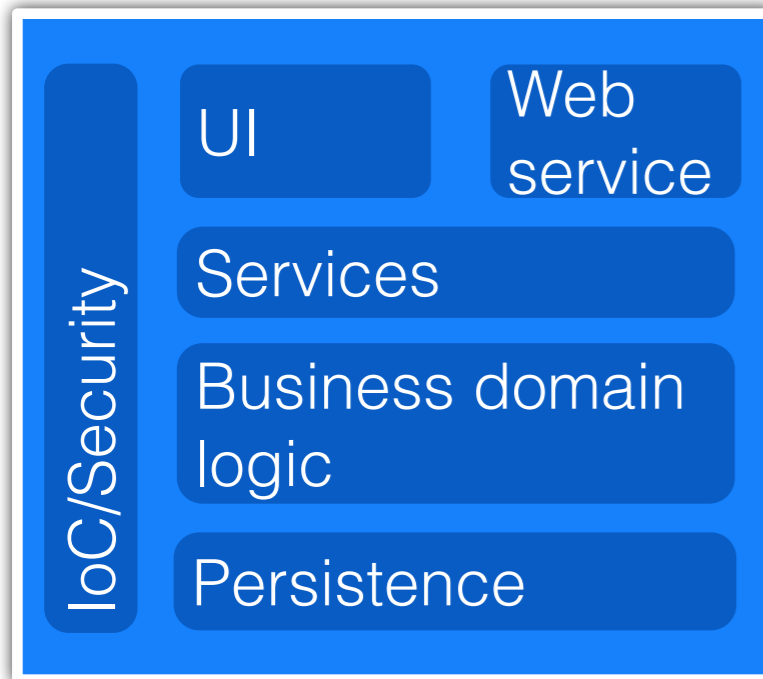
Topics

- Single product architecture
- Product line architecture
- Enterprise platform
- Technology choice
- Discussion

Single product architecture



Common architecture (‘standard’ technologies)



Single product

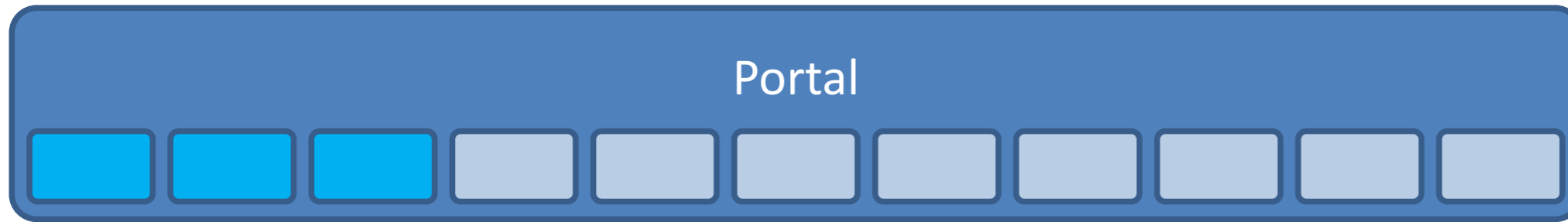
Product line architecture



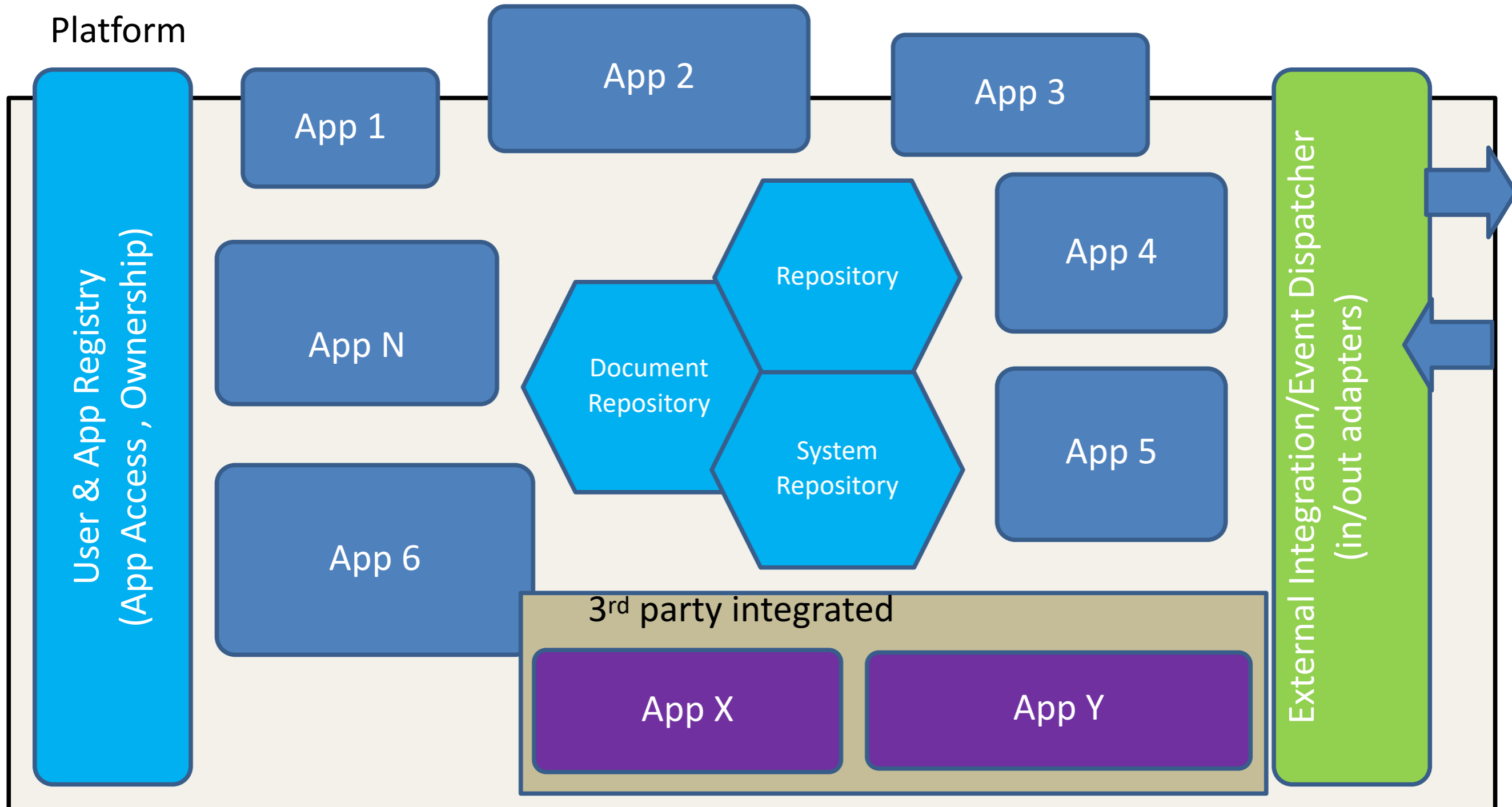
Enterprise platform

- Common set of technologies
- User interface framework
- Business logic framework
- Persistence framework
- Security framework

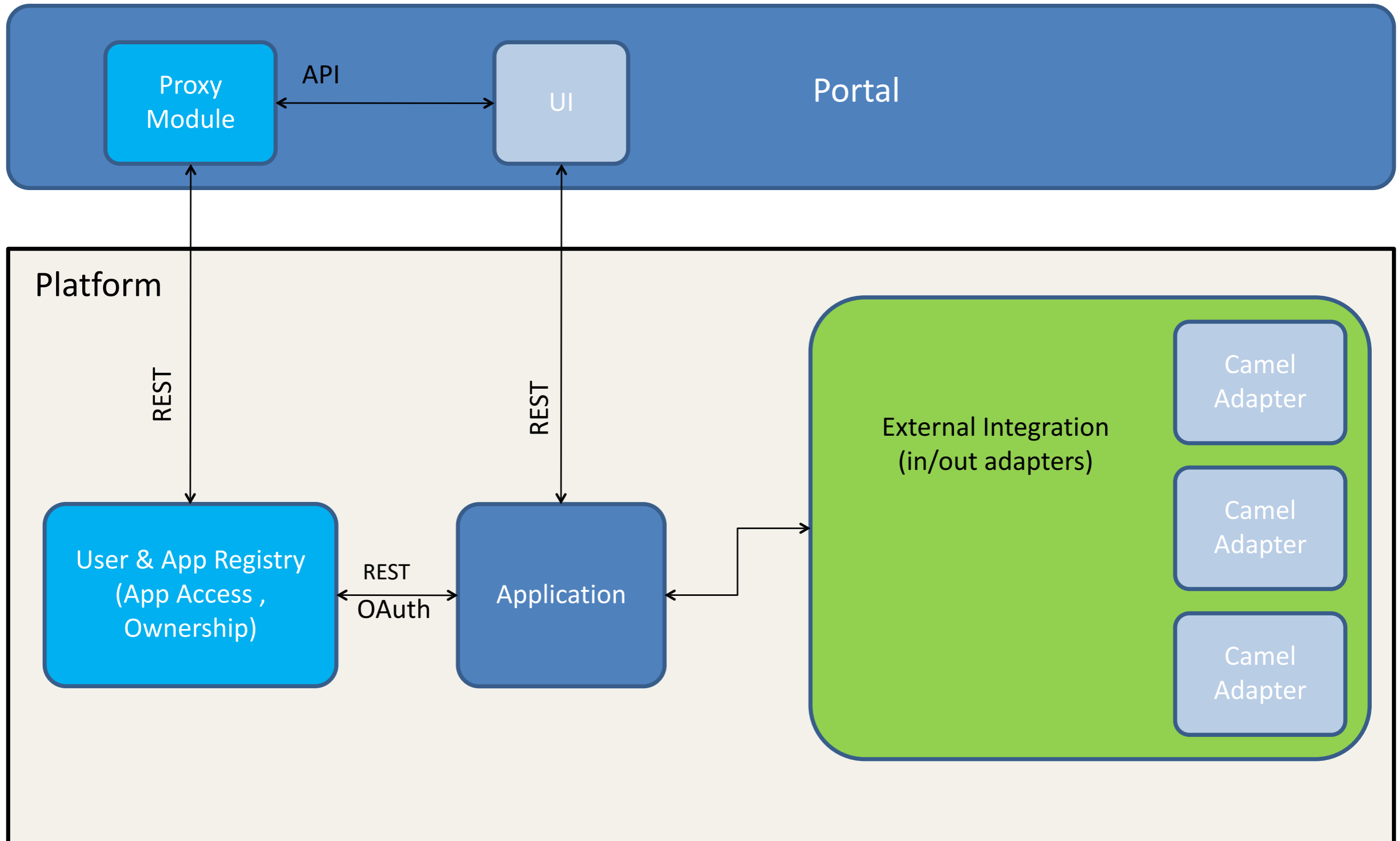
Enterprise platform



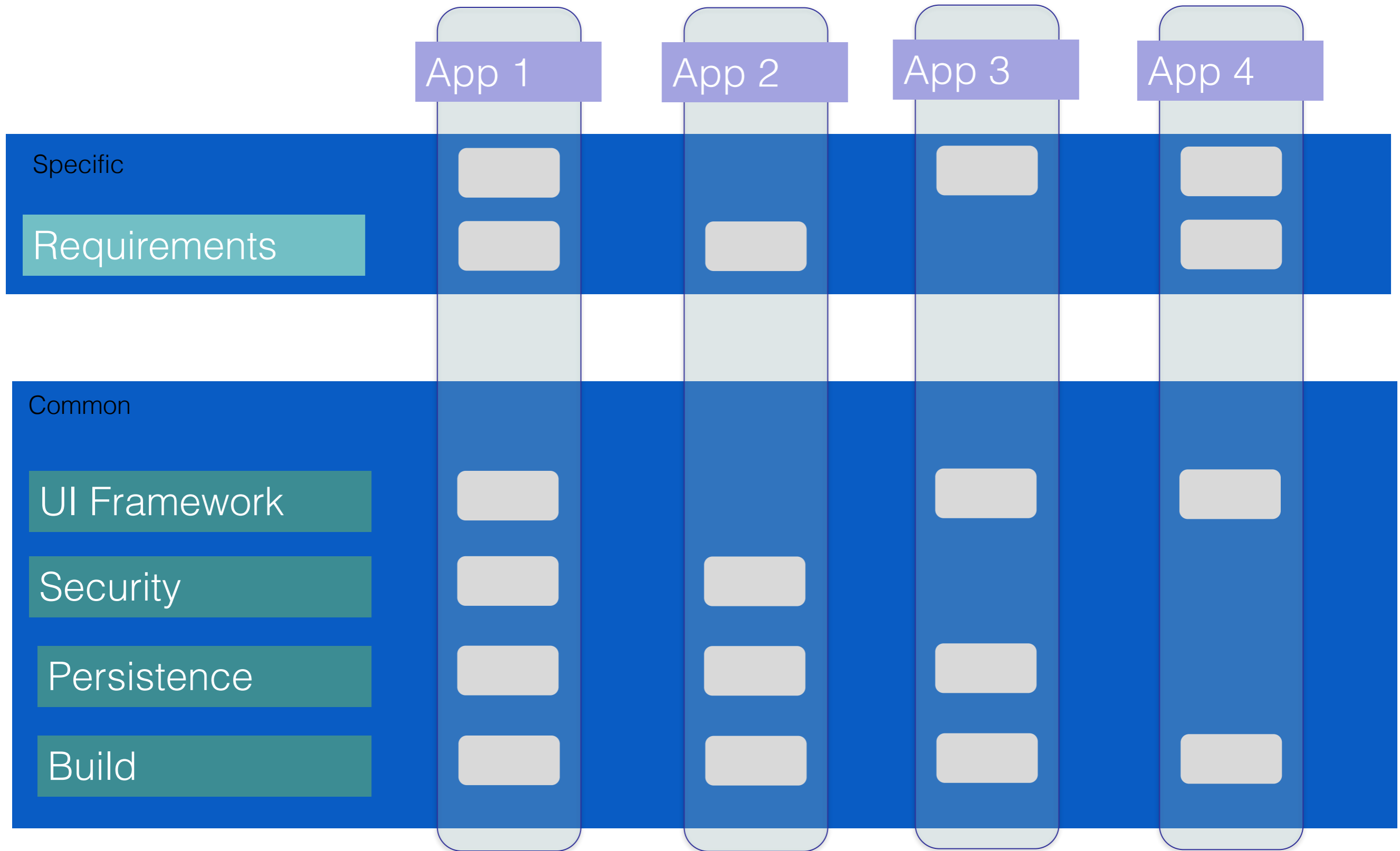
Platform



Enterprise platform



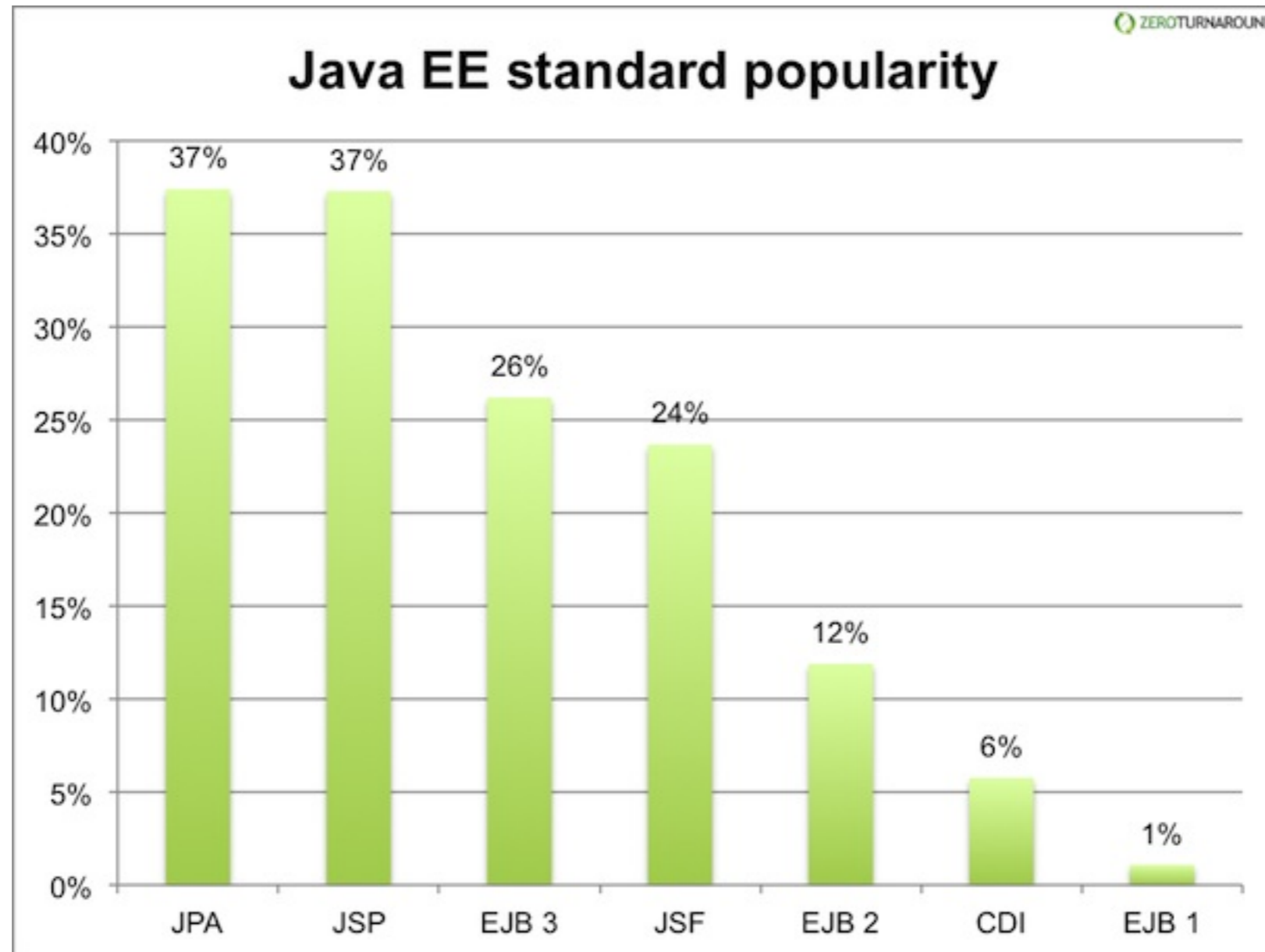
Common architecture (‘standard’ modules)



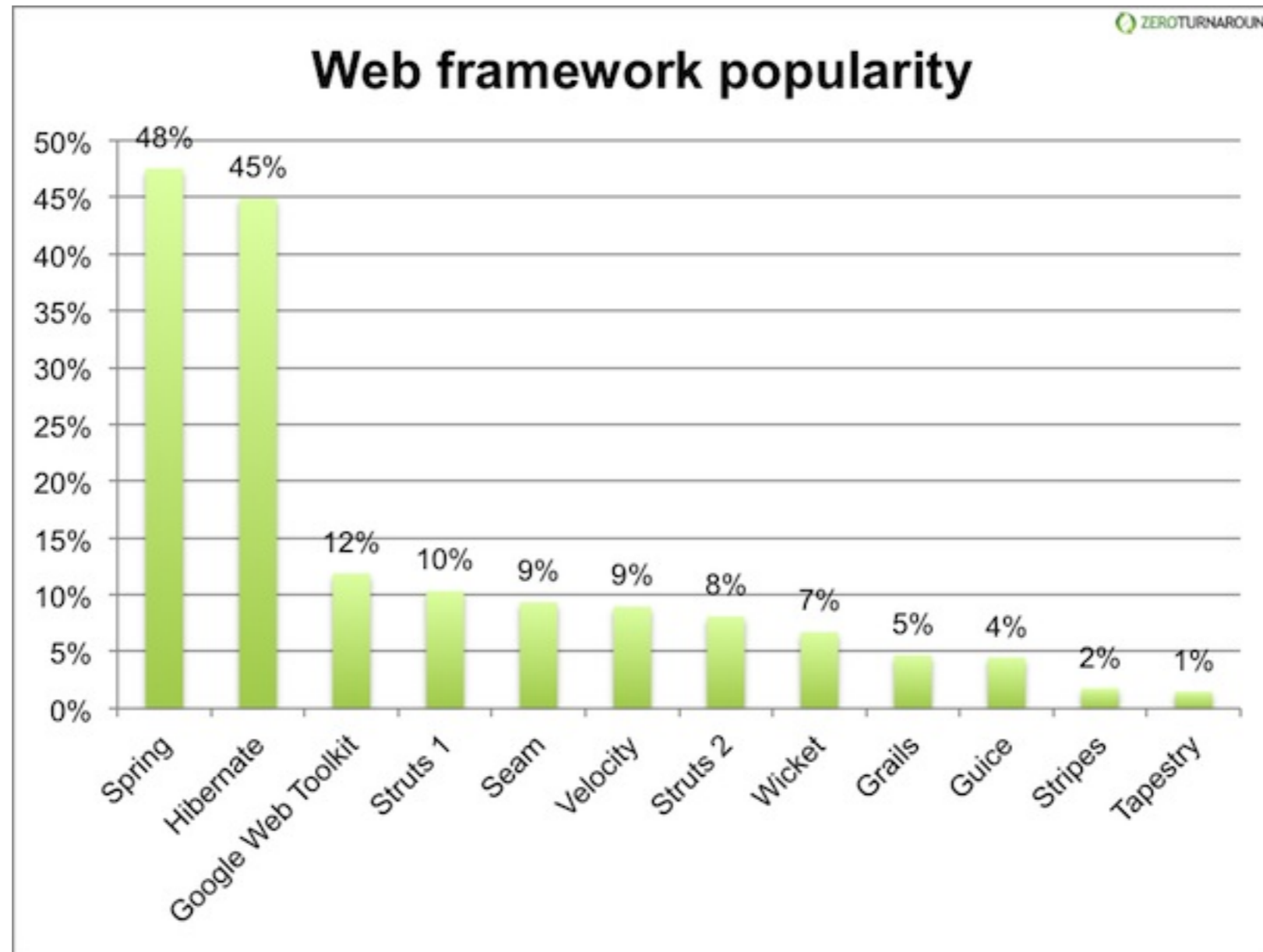
Technology choice

- Existing resources (staff, artifacts)
- Business value
- Popularity (new resources)
- Service level support
- Standards

Technology choice

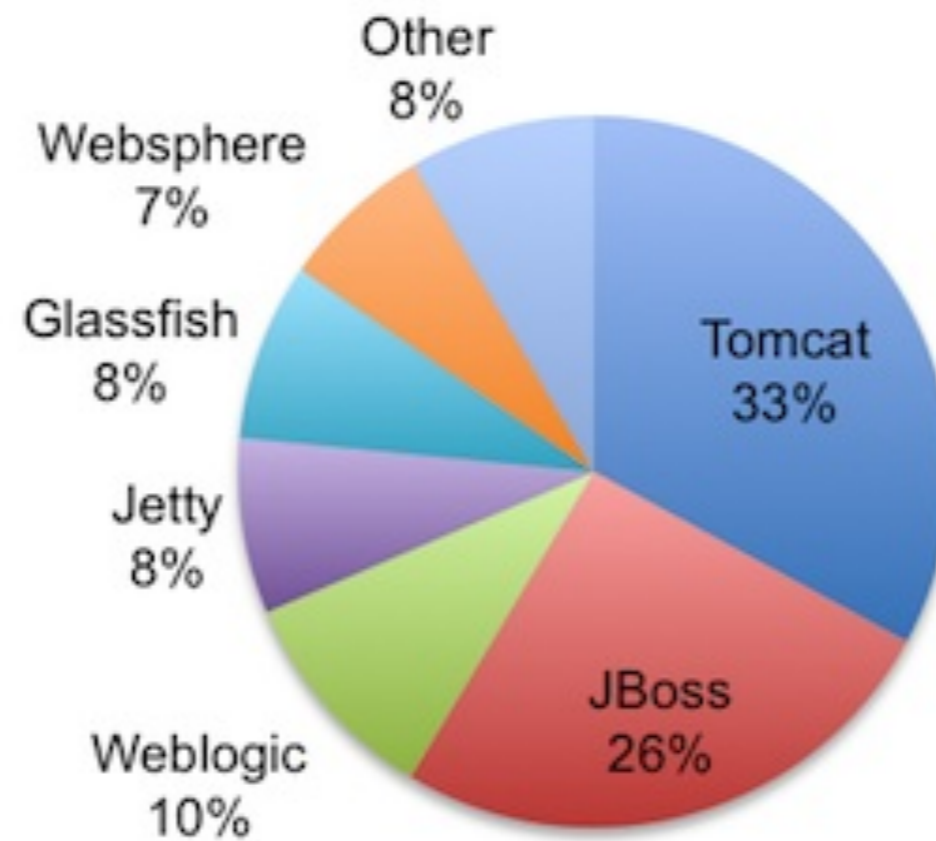


Technology choice

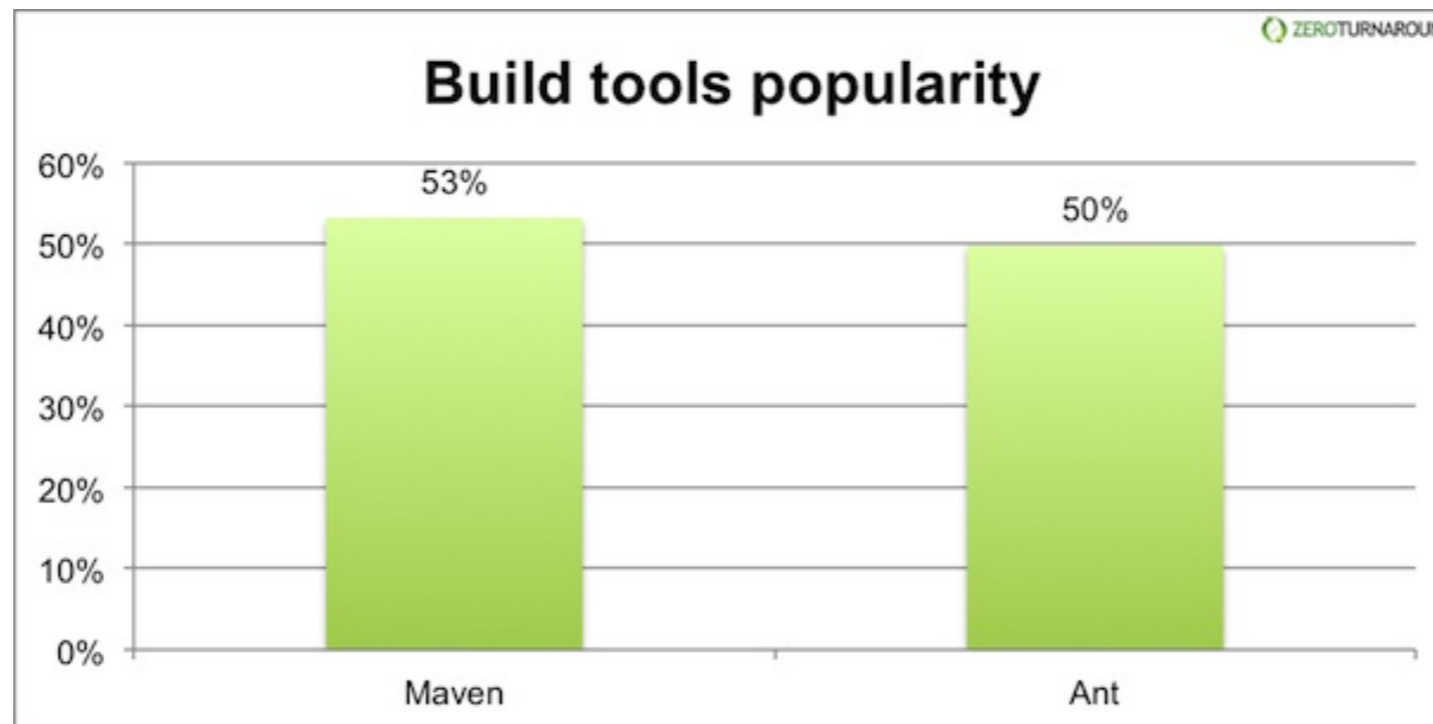
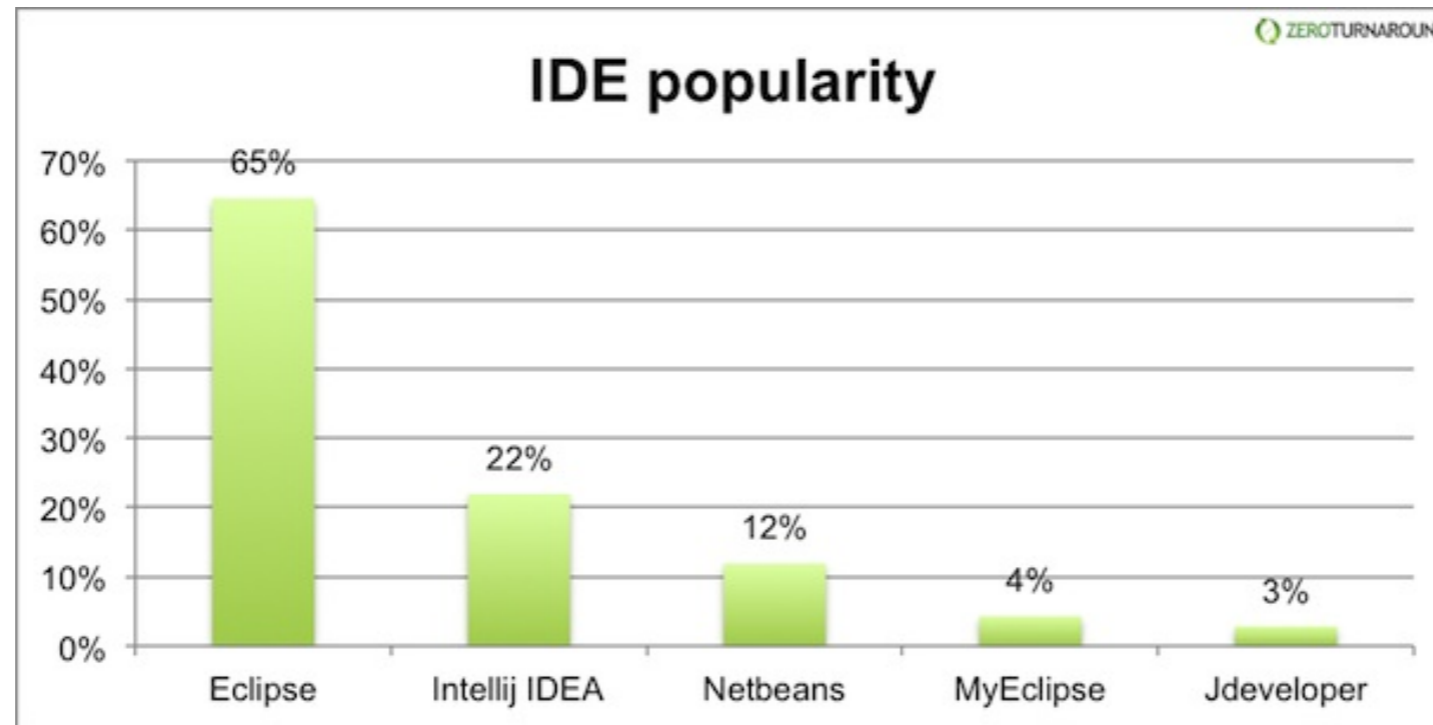


Technology choice

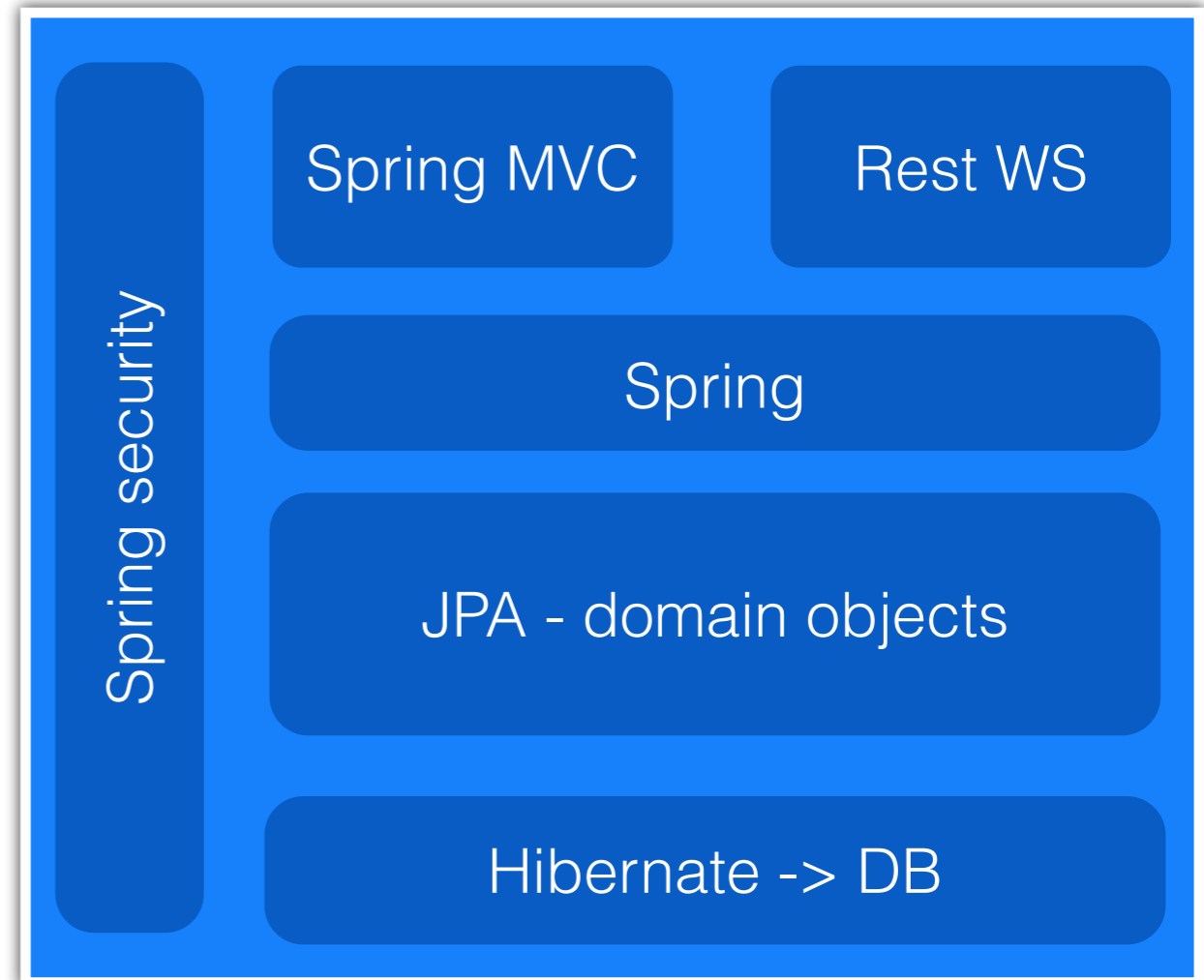
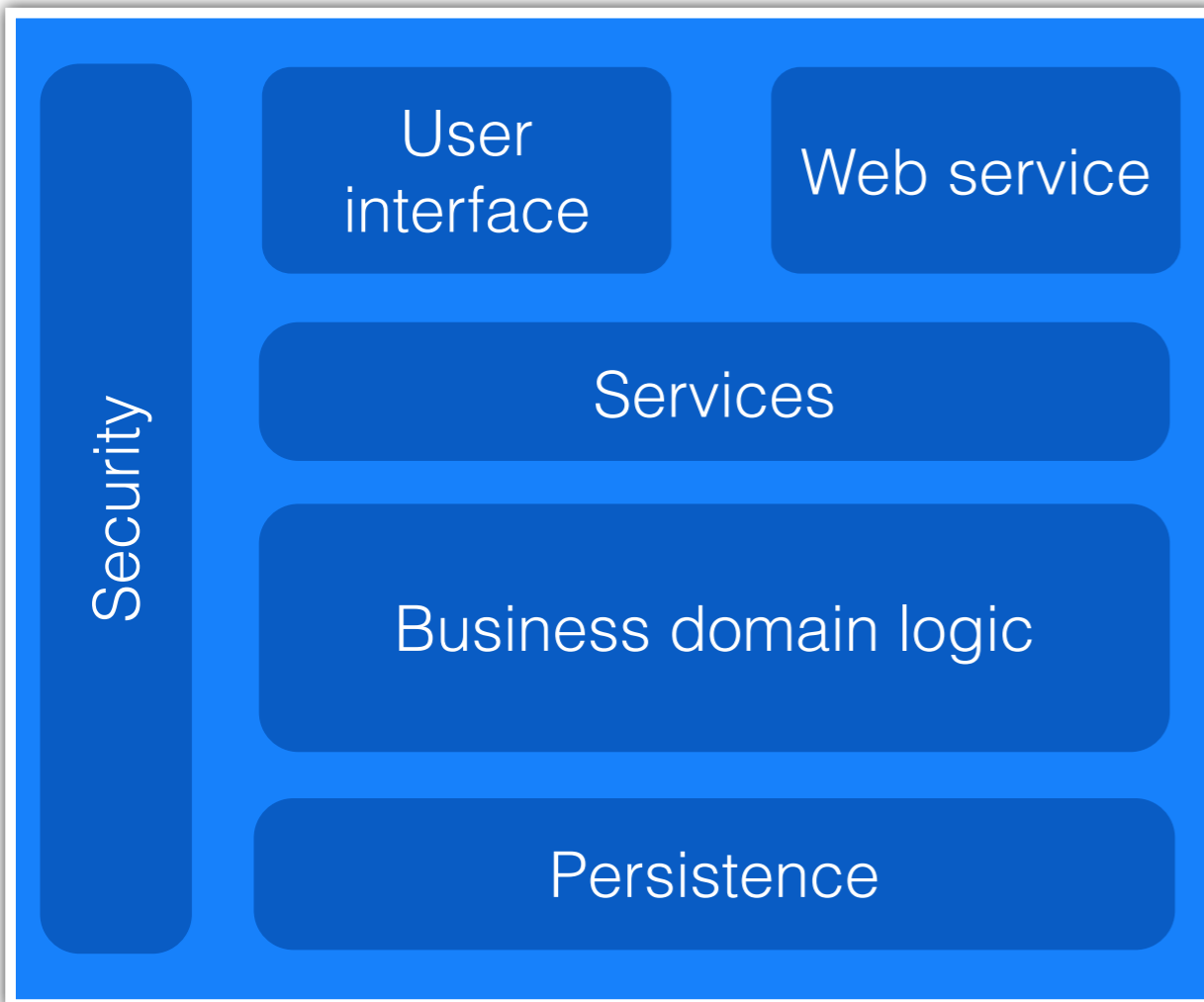
Container Popularity



Technology choice



architecture



Recommended frameworks

- UI - JSF 2.0 (great templates, lots of component suites - prime faces, JBoss Richfaces, IceFaces, integration with GWT, Flex, Silverlight, Portals) custom libraries
- UI - Spring MVC
- Spring Framework - inversion of control, AOP, transaction management, Rest service support, soap, security, a lot more..
- Persistence - JPA with Hibernate
- Build - Maven 3.x,
- Development DB - Apache Derby, hsql, H2
- support tools - spring roo, code generation
- Integration - Apache Camel, Apache ActiveMQ.

Discussion

:)