



ECP project

Creation review presentation

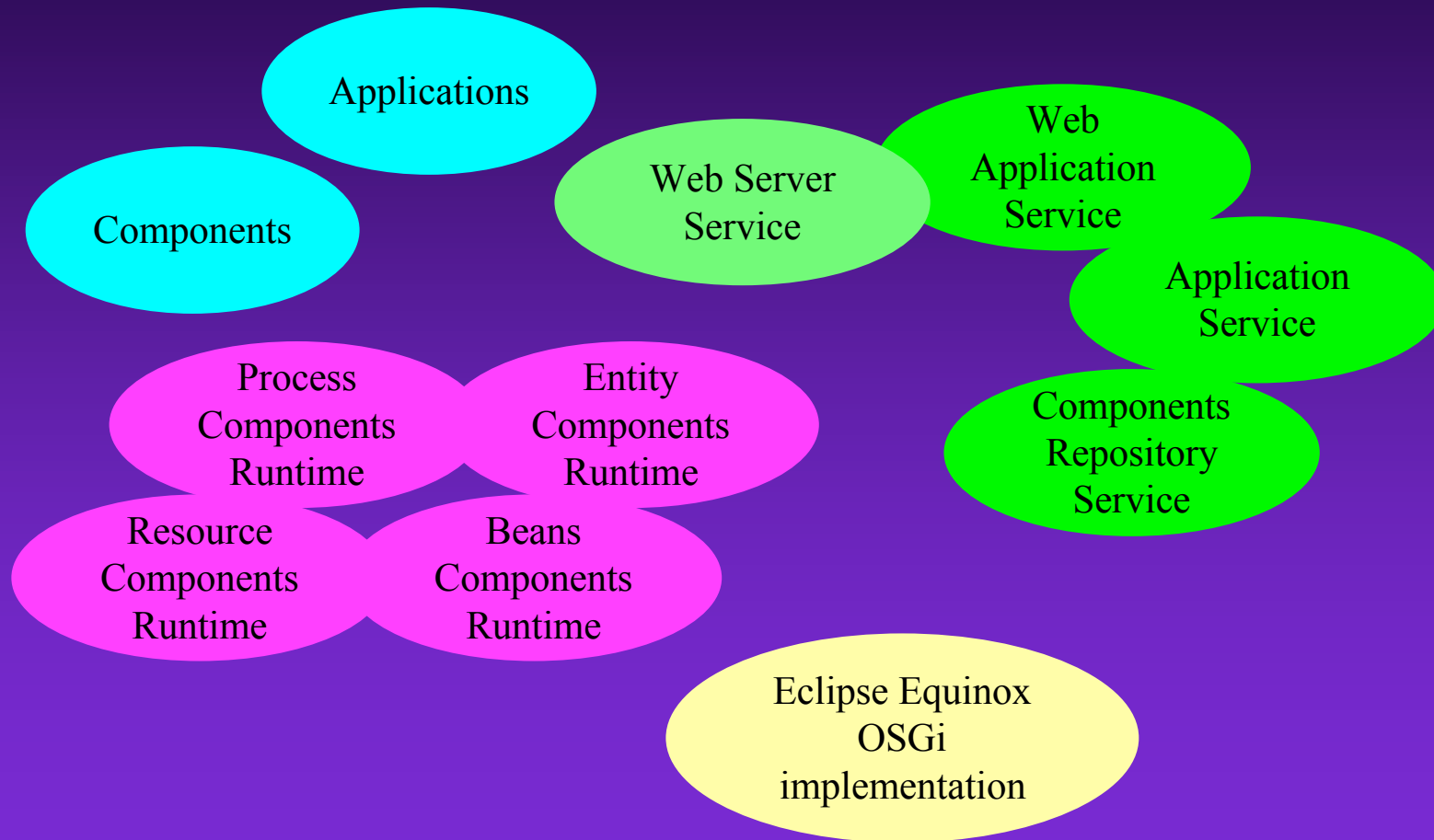


What is ECP?

- Enterprise Component Platform (ECP) is a combination of services and runtimes, that allows developers build enterprise applications from components
- ECP is based on Equinox and OSGi Service Platform, it extends it with a set of enterprise services, like WebServerService, WebApplicationService, TransactionManagerService, DataSource and others
- ECP extends OSGi Service Component Model by introducing new component types:
 - Java Beans Components
 - Entity Components
 - Resource Components
 - Process Components
 - More components to follow...

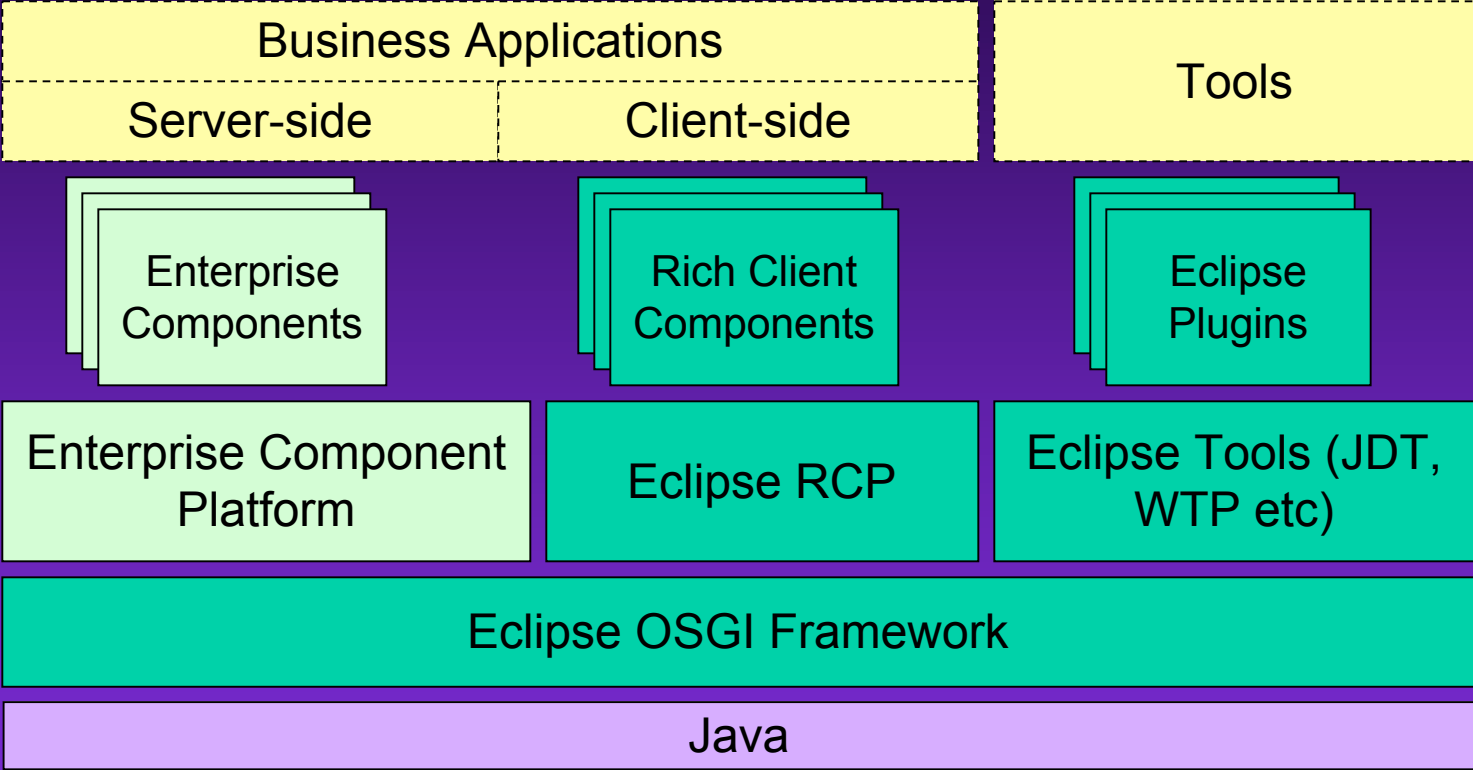


ECP high-level architecture





ECP inside of Eclipse ecosystem





Project Scope

- Development of an enterprise component model, framework and common services
- Development of technology components
- Components repository
- Set of tools to support development and runtime management of enterprise components
- The platform will be open to:
 - Implementation of all aspects of the enterprise application development based on OSGi-based systems
 - Interfaces and services needed to support loosely coupling between components
 - Technological components
 - Runtimes that support enterprise components



Where we are now?

- Exadel Inc. contributes internally developed prototype of ECP to the project
- The source code is contributed under EPL license
- Community of initial adopters and supporters already exists



Project roadmap

- Refactoring of existing code and moving it to Eclipse CVS
- Future development will continue in following areas:
 - Adding more technology components
 - Development of Component Testing Framework
 - Develop tools supporting ECP in Eclipse IDE
 - Develop Components Repository
- Develop a methodology of making component-based applications



Committers

- Exadel Inc.
 - Igor Shabalov
 - Alex Antonau
 - Nick Belyaevsky
 - Andrew Yanchevsky
- Abn Amro Bank
 - Michael Gallagher, Global Manager of Enterprise Architecture
- Lawson Products
 - Gene Glaudell, Chief Software Engineer
- Individual Committers
 - Neil Bartlett, njbartlett@gmail.com
 - Wendell Beckwith, wbeckwith@gmail.com
 - Alexei Sokolov, alexei.sokolov@gmail.com



Planned deliverables

- First deliverable scheduled 4 weeks after project declaration, that will include
 - Component Framework
 - Review and refactoring existing code
 - The result will be ECP version 0.5
- Second deliverable scheduled 6 month after project declaration, that will include
 - Additional Technology components
 - Messaging
 - Remote Runtime Manager
 - Web Services/OSGi services bridge
 - Component Repository
 - Specification
 - Implementation
 - Tools
 - Development tools
 - Deployment tools
 - Component Testing framework
 - Monitoring tools
 - The result will be ECP version 0.75
- Third deliverable scheduled 12 month after project declaration, that will include
 - Additional Technology components
 - Declarative security
 - Transaction Manager, declarative transactions
 - Persistence: EJB3, Hibernate, iBatis, JDBC
 - Integration with RSP
 - Clustering/grid infrastructure support
 - Tools
 - Component Testing framework
 - Monitoring tools
 - The result will be ECP version 1.0