



Corona
Tools Services Framework

Dennis O'Flynn
Compuware Corp.
Corona Project Lead

Technology ALM / Collaboration F2F



- Their project's goals and objects
- Technology the project has to offer in this space
- Common pieces required for a solution
- Candidates for consolidation of technology
- Existing overlaps of technology with other Eclipse projects
- Existing overlaps of technology with third-party (Apache?) open source projects
- Suggestion for next practical steps we should take

Corona's Goals and Objects



- Enable collaboration through tool integration
 - Multiple Workbenches participating in a Workgroup
- Provide a common context for sharing data within a distributed environment
 - Context Container
 - Distributed event model
- Provide an Eclipse based server-side runtime environment to support the distributed environment
 - Web service enablement of Plugin/Bundle functionality
 - Manageability via WSDM
 - Deployment via SCA

Technology Corona has to offer



- ContextContainer
 - Properties
 - RepositoryDescriptors
 - Event model
- Eclipse server-side
 - Deployment of non-UI plugins
 - Web service enablement
 - Management via WSDM
- Exemplary implementation – ProjectContainer
 - Provide collaboration to Eclipse development team

Common pieces required for a solution



- Corona
 - ContextContainer
 - Eclipse server-side environment
- ECF
 - Peer-to-Peer communications
- OSGi
 - Event model
 - Http service
 - Service registration / tracking

Candidates for consolidation of technology



- Container
 - Generic name used to identify a holder of information
 - Partial overlap of functionality
 - Buckminster / Corona / Kepler
- Context
 - Generic name used to identify scope of work
 - Partial overlap of functionality
 - Corona = container context
 - Mylar = task context
- Event model
 - Corona ContextContainer event model
 - ALF Event vocabulary

Existing overlaps of technology w/ Eclipse projects



- Container
 - Buckminster / Corona / Kepler have their own *container* requirements
 - Could a single container *model* be established?
- Event model
 - Corona / ALF both utilize an event model
 - Corona's event model is more granular

Existing overlaps of technology w/ OSS



- Corona server-side
 - Overlap in functionality but not implementation of a SOA based component environment
 - JBoss
 - Celtix
- Container event model
 - ECF / JMS

Suggestion for next practical steps



- Consolidate use of common container model
- Define consistent event vocabulary used across each stage of ALM as well as within each stage
- Technology ALM / Collaboration all-in-one download