

Process Framework (EPF) Project <Beacon>

Creation Review

Dec 21, 2005

Agenda



- Current Industry Scenario
- Project Goals
- Value to Industry
- Summary of Project Proposal
- Community Response
- Project Participants and Structure
- Project Timeline
- Next Steps

What Development Teams Are Facing Today



Project plan templates

Article on serialized java beans

Website with Configuration mgmt guidelines

Book on J2EE

JUnit user quide

Wiki on agile development

Knowledge base on managing iterative development

Lessons learnt from previous project and iteration

Latest research on effectiveness of pair programming

Corporate guidelines on compliance

- No common language or terminology between processes redundancy and inconsistencies
- Knowledge cannot easily be customized for different projects or new best practices
- No central community or communication framework to facilitate convergence of best practices across domains

A better approach



Standardize representation and manage libraries of reusable method content

Content on agile development

Content on managing iterative development

Guidance on serialized java beans



JUnit user guidance

Content on J2EE

Configuration mgmt quidelines

Lessons learnt from previous project and iteration

Corporate guidelines on compliance

Develop and manage processes for performing projects



Process assets patterns

Standard or reference processes

Project plan templates



Cohesive Web site customized for my project needs



Project plan templates and optional process instrumentation, relevant for the context of my project

EPF Project Goals



- Provide an extensible framework and exemplary tools and content for software process engineering
 - Extensible Framework
 - Meta-model based on OMG SPEM
 - Core extensible process tooling framework
 - Exemplary and extensible tools
 - Method and Process authoring
 - Library management and content extensibility
 - Configuring and publishing
 - Exemplary and extensible process content
 - Range of software development and management processes supporting
 - iterative, agile, and incremental development
 - applicable to a broad set of development platforms and applications

Value to the industry



- Converge industry process investments through a common process framework
- Broadly endorsable and will bring diverse process champions together
- A foundation for the industry to engineer, communicate and reuse process assets
- Tools, metamodel and core content for seeding an ecosystem
 - More reuse, more industry reach, more process/tool integration

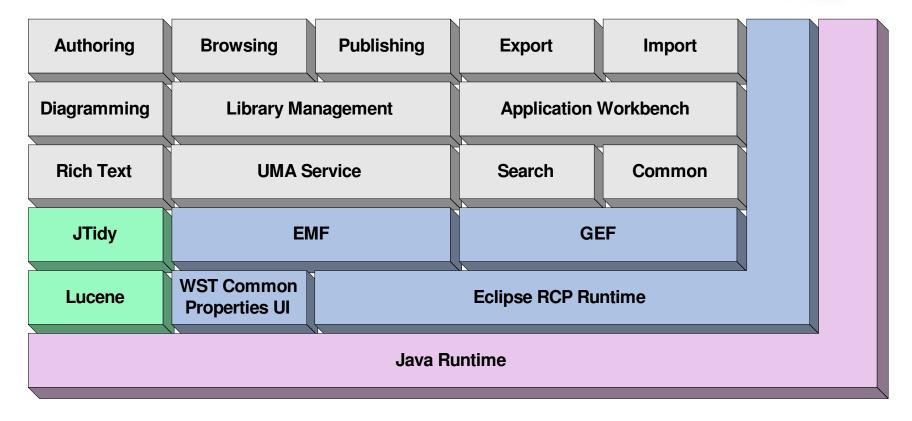
Summary of EPF Project Proposal Commercial **EXTENSIONS Process** Key: Content **Project Mgmt.** Plug-ins Proposed IBM Contribution Oper. Mgmt. Systems Mgmt. Proposed Object Mentor / **User-defined** Rally Dev Contribution Content **EPL Process Plug-ins** Content **Plug-ins** Basic Unified Agile/XP **Process** Adapted from RUP Tool **Extensions** Extensible, Customizable, Flexible **TOOLING (Authoring, Publishing)** Common Language & Vocabulary **META MODEL IMPL. (Unified Method Architecture) Open Source Development ECLIPSE**

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High-Level Architecture





- ☐ EPF tool components
- □ Eclipse components
- ☐ Other open source components
- Sun/IBM JRE

Community Response to Proposal



- Response to join the project after proposal submission
 - Overwhelming and continuing
 - ~ 10 companies/individuals
- Varied discussions on the Technology Project News forum
 - ~ 50 entries
- Good turnout for 3 open presentations on the project proposal
 - Basic Unified Process
 - Architecture of the tooling
 - Extensible Framework
- Wide press & analyst coverage on proposal submission
 - ~ 100 articles in the press
 - 20 analysts briefed with positive response Gartner, IDC etc

EPF Project Participants



• IBM	 Capgemini
 Project lead - Per Kroll 	- Rene Maes
 Ricardo Balduino 	Julian Holmes
 Peter Haumer 	 Catalysts
 Bruce MacIsaac 	Christoph Steindl
 Charles Yan 	• Covansys
 Kelvin Low 	– Kirti Vaidya
James Thario	Ivar Jacobson International
Todd Frederickson	
 2-Pro Mentor 	– Ian Spence– Pan-Wei Ng
Sigurd Hopen	
 Adaptive 	Kruchten Engineering Services Ltd (KESI Nicolas Kruchten One Control of the Control of th
Nick Dowler	Nicolas Kruchten Nichael Transfer and deff
Ambysoft	Michael Trauttmansdorff
Scott Ambler	Number Six Software
Armstrong Process Group	Brian Lyons
- Chris Armstrong	Object Mentor
	 Robert C. Martin
Bournigi onit	 Rally Software Development
– Bobby Soni	Ryan Martens
Bedarra Research Labs	• SOFTEAM
Dave Thomas	 Philippe Desfray
	University of British Columbia
	Philippe Kruchten

The IBMers in bold will be initial committers, and a list of additional committers, derived from this and next slide, will be provided after initial face-to-face meeting Jan 10-12, 2006.

EPF Project Participants (cont.)



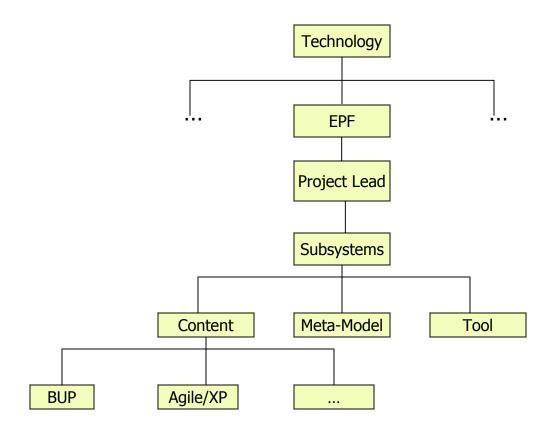
Other interested parties

- aubryConseil
 - Claude Aubry
- European Software Institute
 - Asier Azaceta
- Jaczone
 - Agneta Jacobson
- NTT Comware
 - · Shinichi Doyama
- Object Management Group (OMG)
 - Andrew Watson
- Osellus
 - · Kamal Ahluwalia
- Sogeti
 - Jean-Marc Gaultier
- Unisys
 - · Bobbi Young
- Wind River

- Andrew Midkiff
- Kanishka Badhwar
- Ashish Pathak
- Terry Dietz

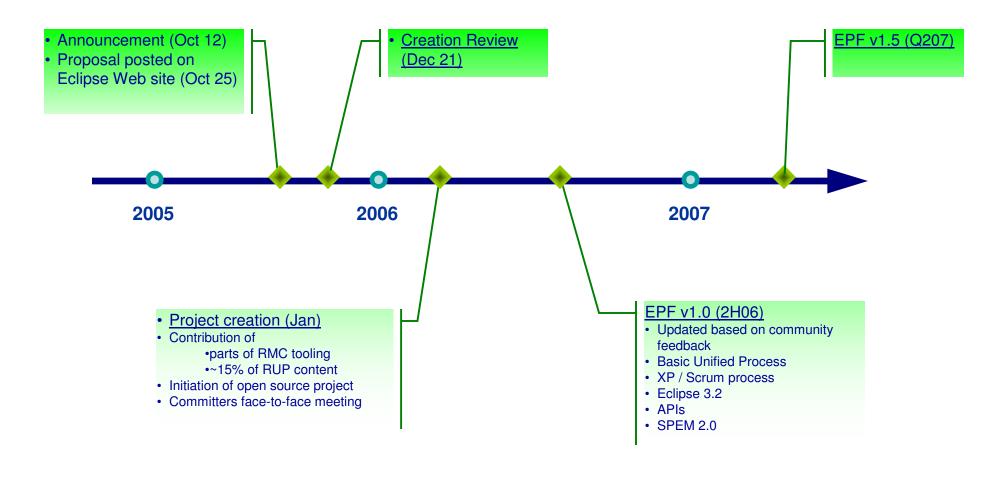
EPF Project Structure





EPF Project Timeline





Next Steps



- First Committers meeting
 - January 10 12, 2006 in Atlanta
 - 16 people attending from 10 companies
- Meeting Agenda
 - Work out contribution details
 - Agree on scope for v1.0 and refine plan
 - Organization and leads for sub teams