Agile Portfolio Management-Roundtable

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Agile Pyramid

Corporate Strategy

Agile Portfolio Management

Agile Project Management

Agile Software Engineering
Challenges with Traditional Project Management in an Agile Project.

- Work- Breakdown Structure (WBS)
- Gantt-Charts
- Critical Path Analysis
- Project Reporting
- Team Hierarchy and Structure
- Innovation and Improvement
- Requirements Management

Return of Investment

Investment = 1 M
Feature 1 = 100K/month
Feature 2 = 250K/month
Feature 3 = 200K/month

1st Release
Feature 2
Feature 3

Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5

2nd Release
Feature 1

450K 450K 550K
Metrics

- Morale Barometer
- Health
- Quality
- Progress
- Velocity

* Total # of defects.
* Ratio (test cases and defects)
* Test Coverage
* # of Unit Tests
* Time to resolve Defect.
* ...

Project Selection Process

- Project A
- Project B
- Project C
- Project D
- Project E
- Project F
- Project G
- Project H
What’s Up RUP?

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Speaker

• Jochen (Joe) Krebs
• www.jochenkrebs.com
• Author of *Agile Portfolio Management* (Microsoft Press 2008)
• APLN-NYC, PMP®, RUP®, Scrum Master, Agile Alliance, Agile 2008, NYU
• Authorized IBM training provider and business partner (incl. RUP, RMC, project management)
What’s Up RUP?

- Key Principles of Business Driven Development
- Unified Method Architecture (UMA)
- OpenUP
- IBM Rational Method Composer / EPF
- RUP™ Certification

RUP is registered trademark of IBM.

Key Principles of Business-Driven Development

- Adapt the Process.
- Balance Competing Stakeholder Priorities.
- Collaborate Across Teams.
- Demonstrate Value Iteratively.
- Elevate the Level of Abstraction.
- Focus Continuously on Quality.
Unified Method Architecture

Content  Guidance  Process

Unified Method Architecture

Work-Product  Capability Pattern
Role  Delivery Process
Task  Activity
Guidance Elements

- Checklist
- Concept
- Estimation Consideration
- Example
- Guideline
- Practice
- Report

- Roadmap
- Supporting Material
- Template
- Term Definition
- Tool Mentor
- Whitepaper
- Reusable Asset

IBM Rational Method Composer

- Utilizes the UMA Architecture.
- Eclipse Based Product.
- Manages one process library.
- Plug-ins to separate method content.
- Browsing (testing) perspective.
- Authoring Perspective.
- Configuration as Deliverable.
- Wizard-driven publication.
- Export of tasks to Microsoft Project.
- Visual process engineering using activities, milestones etc.
EPF and OpenUP

- Eclipse Project
- Open-Source Process
- Sponsored by IBM
  - Donated partial content from RUP for small projects.
  - Assigning contributors and team members
- Telelogic, Number Six, IBM, University of British Columbia, Xansa, Armstrong Process Group, Whatever Consulting, Ivar Jacobson International and others.

The OpenUP “Hump Diagram”
EPF Composer

• Similar to RMC
• Release 1.2
• Download at: http://www.eclipse.org/epf
• Wiki-Integration
• Publication of custom categories

New RUP Certification

• Title: IBM Certified Solution Designer – IBM Rational Unified Process v7.0
• IBM examination identifier: “839”
• Focus on:
  – Rational Unified Process - Phases and Disciplines
  – Rational Unified Process - Diagrams
  – UMA (Content, Process, Guidance)
  – Key Principles of Business-Driven Development
• 52 (39 to pass) Questions, 75 minutes
• RUP-Blog: http://www.jochenkrebs.com
Outlook

• What is next?
• RUP and the agile community?
• Certification in the agile industry?
• Process authoring after 2008?
• Who will develop plug-ins?
• Open source community?
• RUP and IBM Press?

Thank You!

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