

IBM Rational solution for Collaborative Lifecycle Management





1 Overview

2 IBM Rational Collaboration Lifecycle Management

3 Delivering the 5 ALM imperatives

4 Proven results

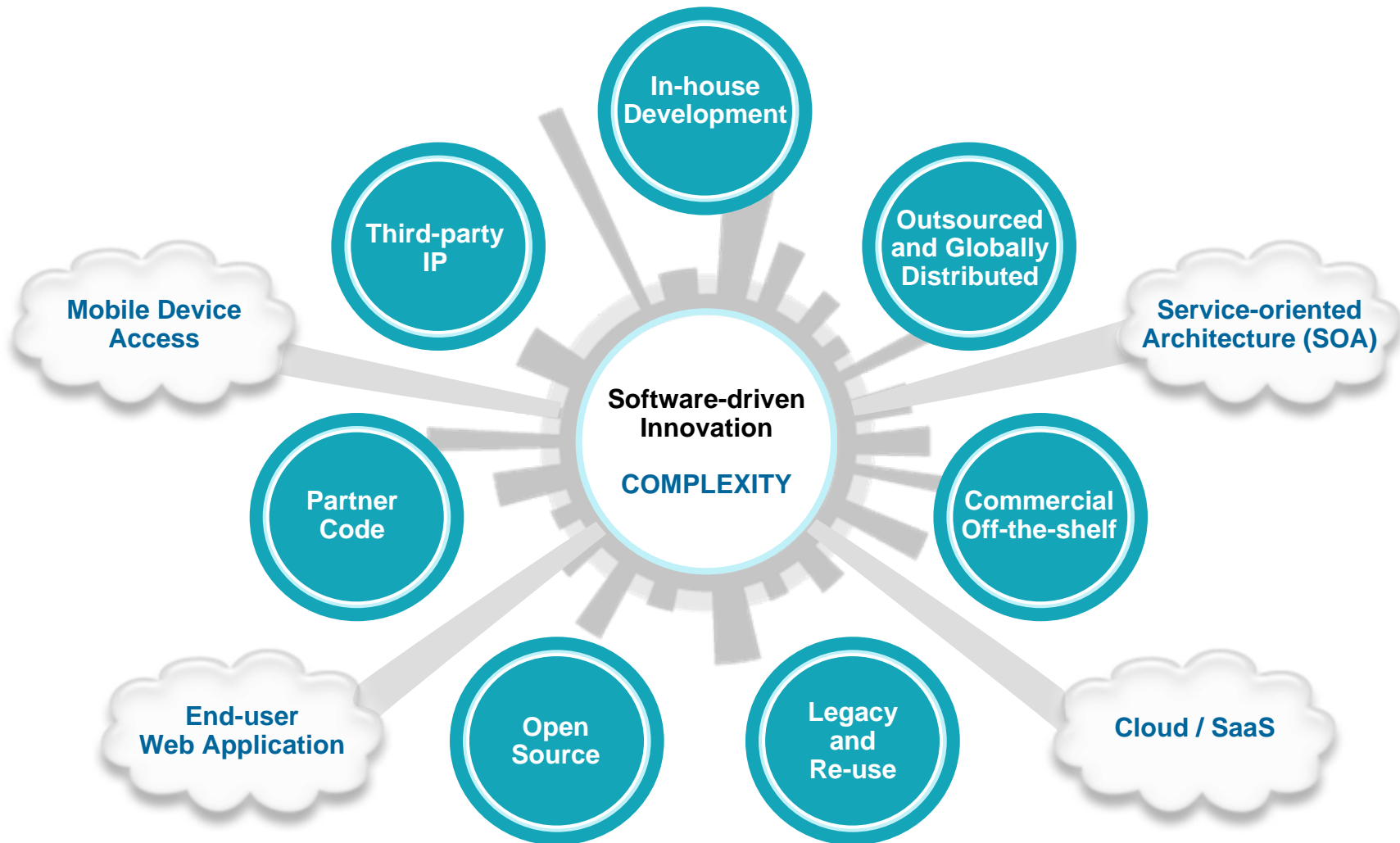
Software drives today's innovation for a smarter planet

Transforming the way we live, work, and play



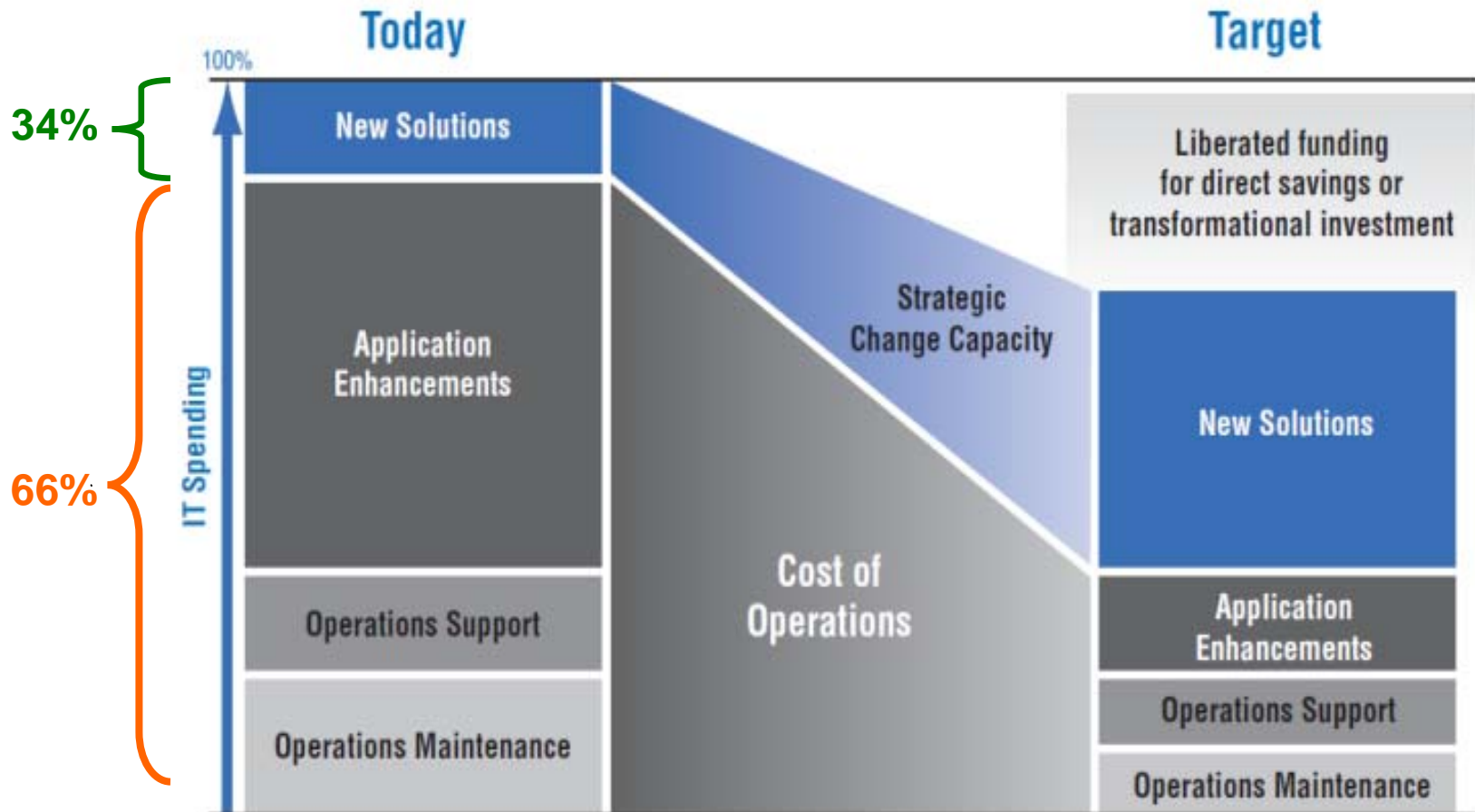
The defining challenge: Managing “systems of systems”

From back-end software to customer facing portals, systems of systems drive your relationships with customers, suppliers and business partners



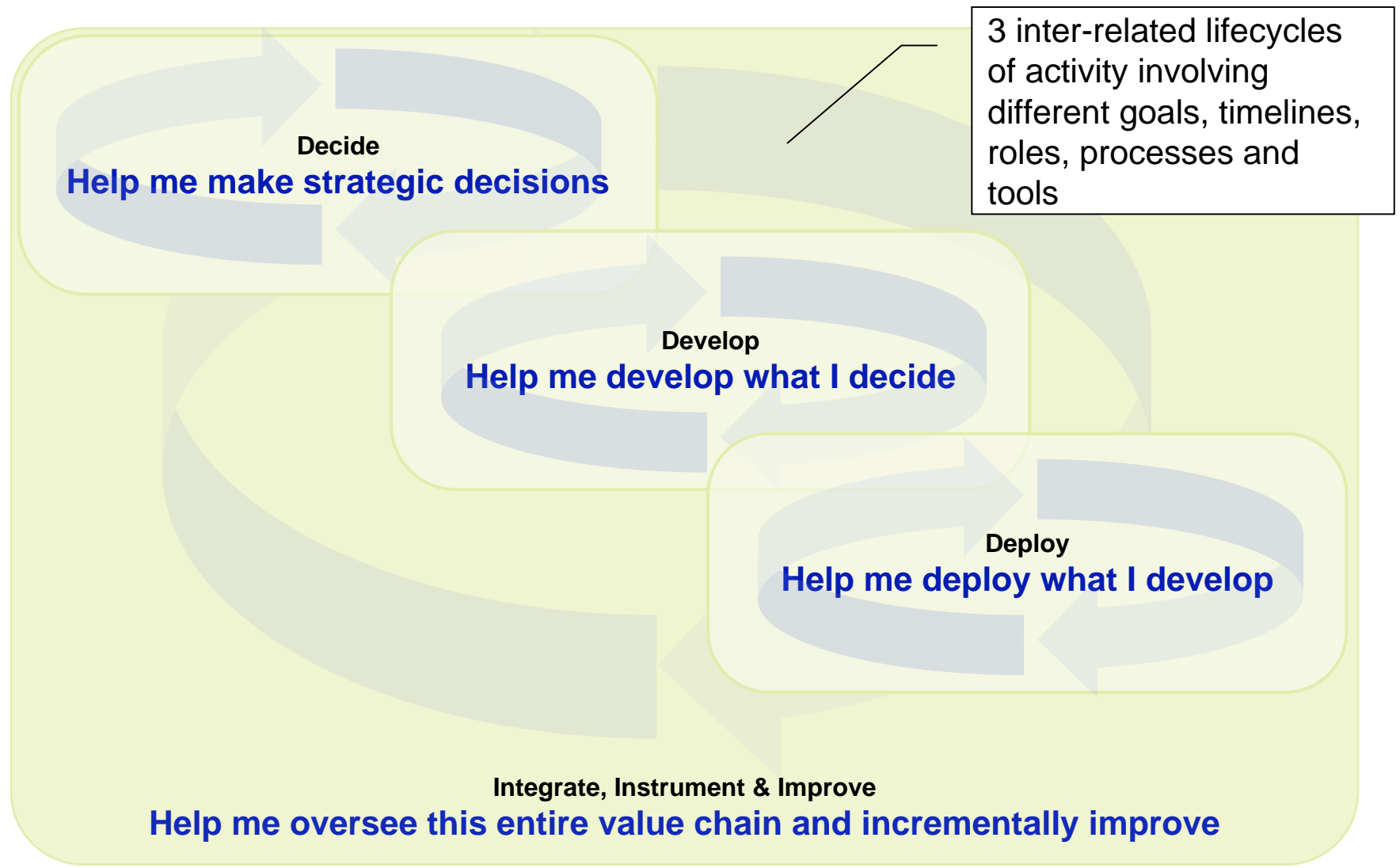
Business and IT Agility: Balancing Resources to Support Business Innovation

Balance IT investments to focus on new solutions.

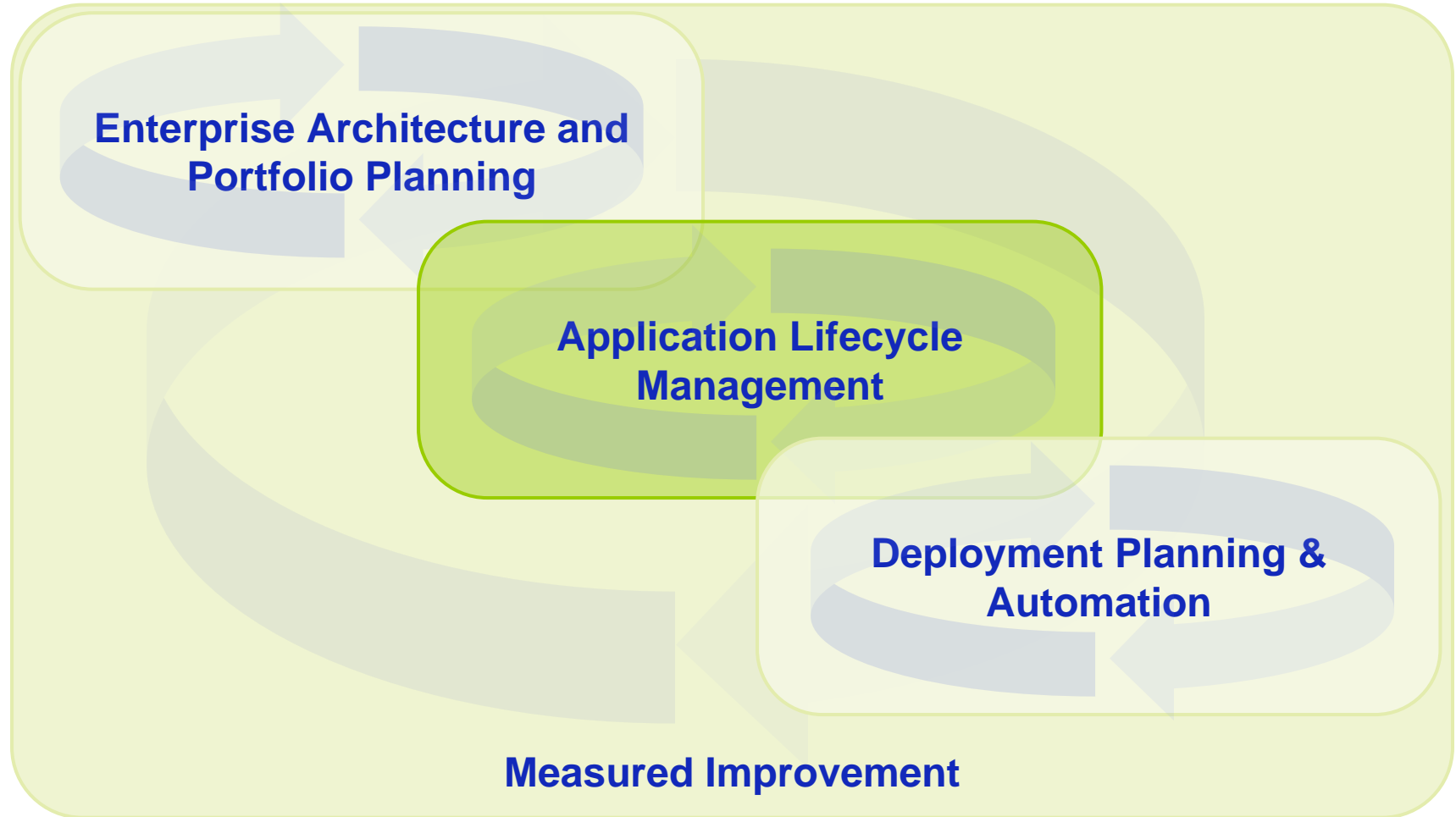


- Forrester estimates that ongoing operations and maintenance consume **66%** of IT budgets
- While new projects and software initiatives represent only **34%**

Key Software development lifecycles



Key Software development lifecycles



ALM is about connecting the disciplines

Project/Planning

- Business Drivers
- Iterations
- Sign-off
- Contract
- Risk Assess
- User Involvement

Requirements

- Use Cases
- Nonfunctional
- Sign-off
- Contract
- Risk Assess
- Threat Model
- Test Requirements

Development

- TDD
- Build Management
- Static Analysis
- BVT
- Source Management
- Pair Programming/
Code Review

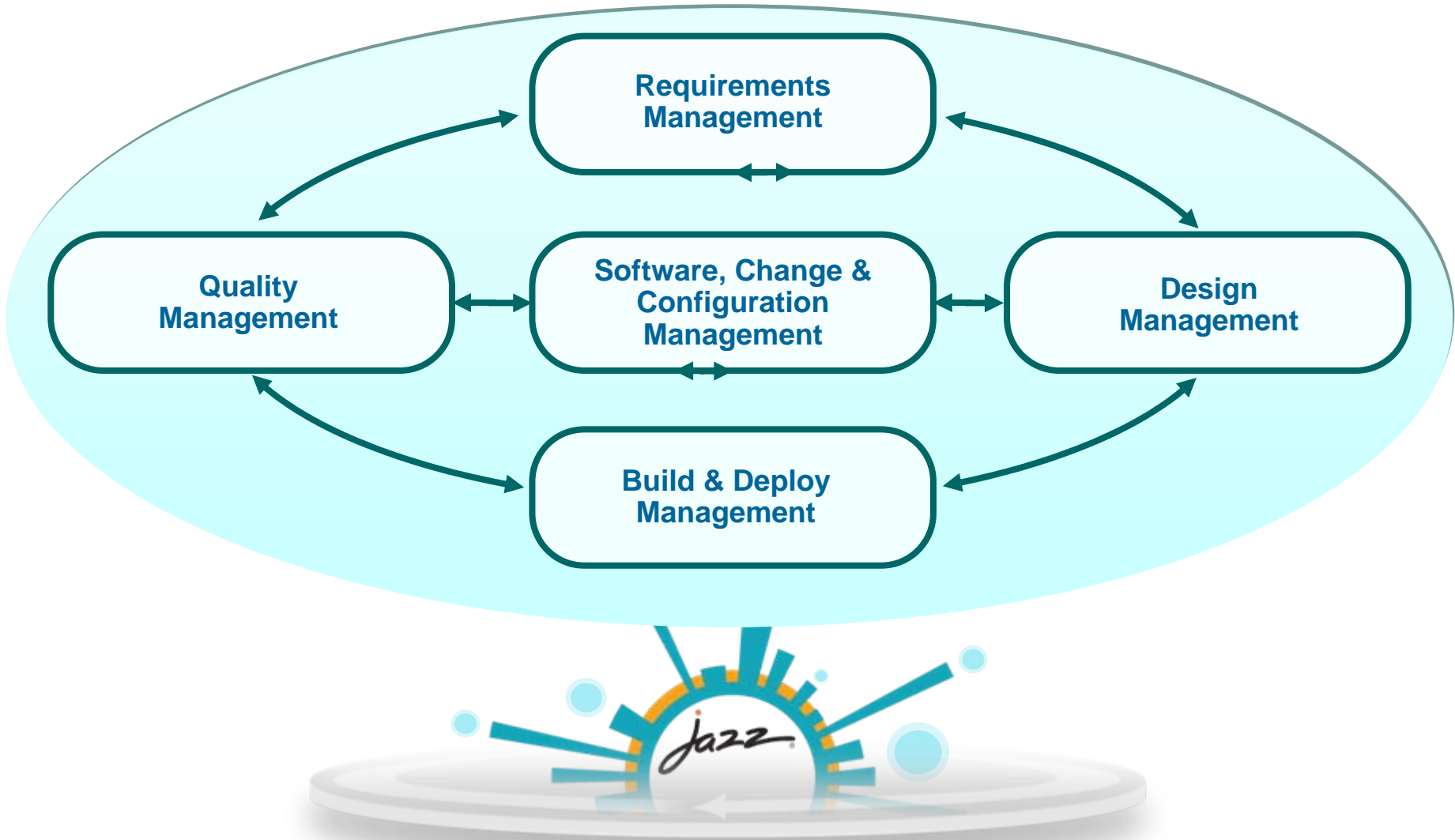
Testing

- Scenario-Driven Automation
- Exploratory Test
- User Involvement
- Contract Validation

Continuous Learning and Feedback

Rational Application Lifecycle Management (ALM)

Modular, open and extensible





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An ALM solution powered by Jazz

Rational solution for Collaborative Lifecycle Management

CREATE SOFTWARE

Real-time Planning, Lifecycle Traceability, Team Collaboration, Development Intelligence, Continuous Improvement

**Rational
Requirements
Composer**

Requirements
Management

**Rational Team
Concert**

Planning, Change,
Configuration & Build
Management

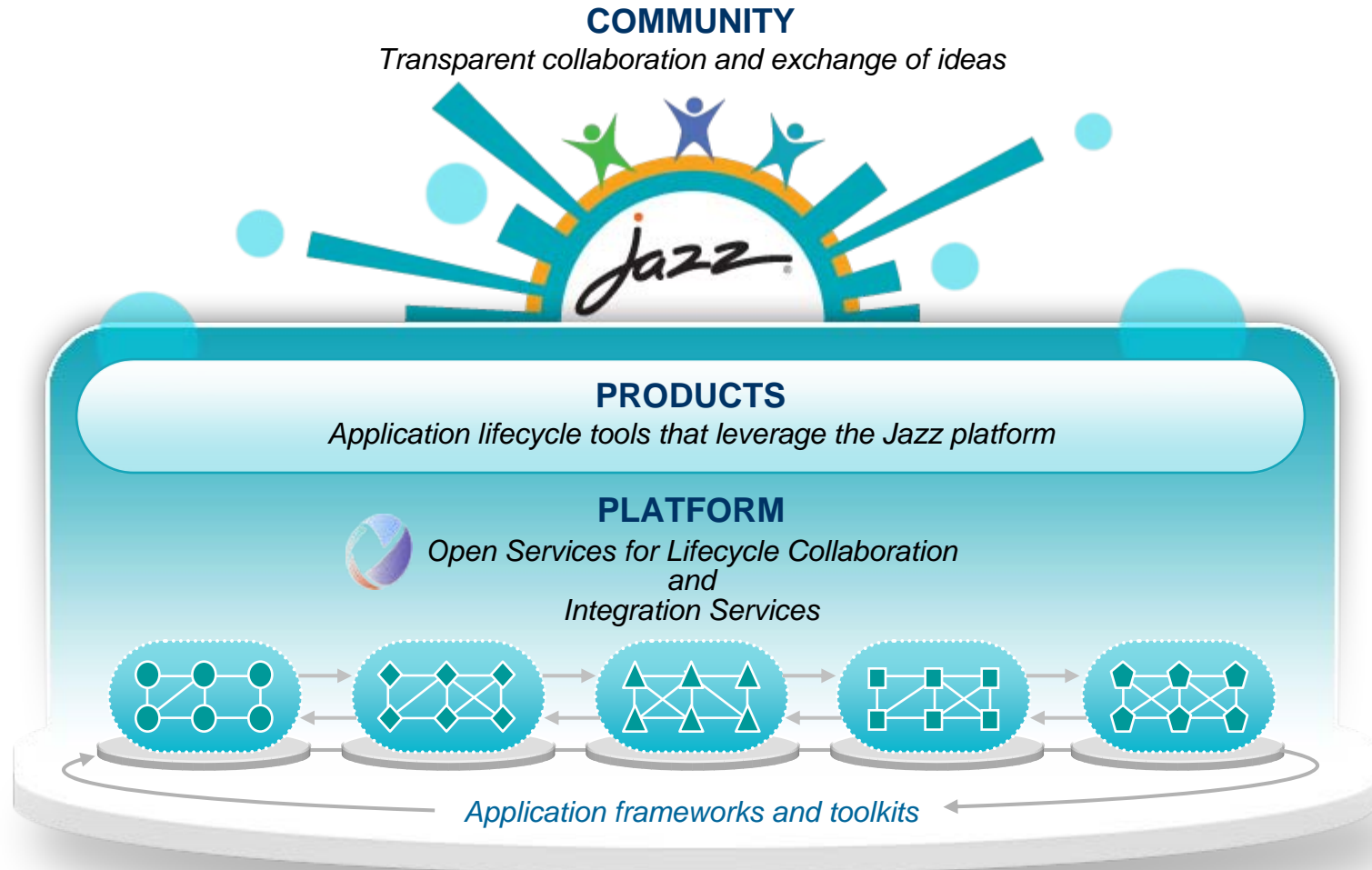
**Rational Quality
Manager**

Quality
Management



*extensions

Jazz provides open collaboration across the software and systems lifecycle



Learn more at: <https://jazz.net/about/>

Open Services for Lifecycle Collaboration (OSLC)

An initiative aimed at simplifying data linking and tool integration across the lifecycle



Open Services for Lifecycle Collaboration

Barriers to sharing resources and assets among tools

- ▶ Multiple vendors, open source projects, and in-house tools
- ▶ Private vocabularies, formats and stores
- ▶ Entanglement of tools with their data

- ▶ Community Driven – specified at **open-services.net**
- ▶ Specifications for ALM, PLM and DevOps Interoperability
- ▶ Inspired by Internet architecture
 - Loosely coupled integration with “just enough” standardization
 - Common resource formats and services
- ▶ A different approach to industry-wide proliferation

Learn more at: <http://open-services.net/>



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What is required to deliver end-to-end visibility across teams, tools and projects?



Criteria for effective lifecycle management: ALM imperatives

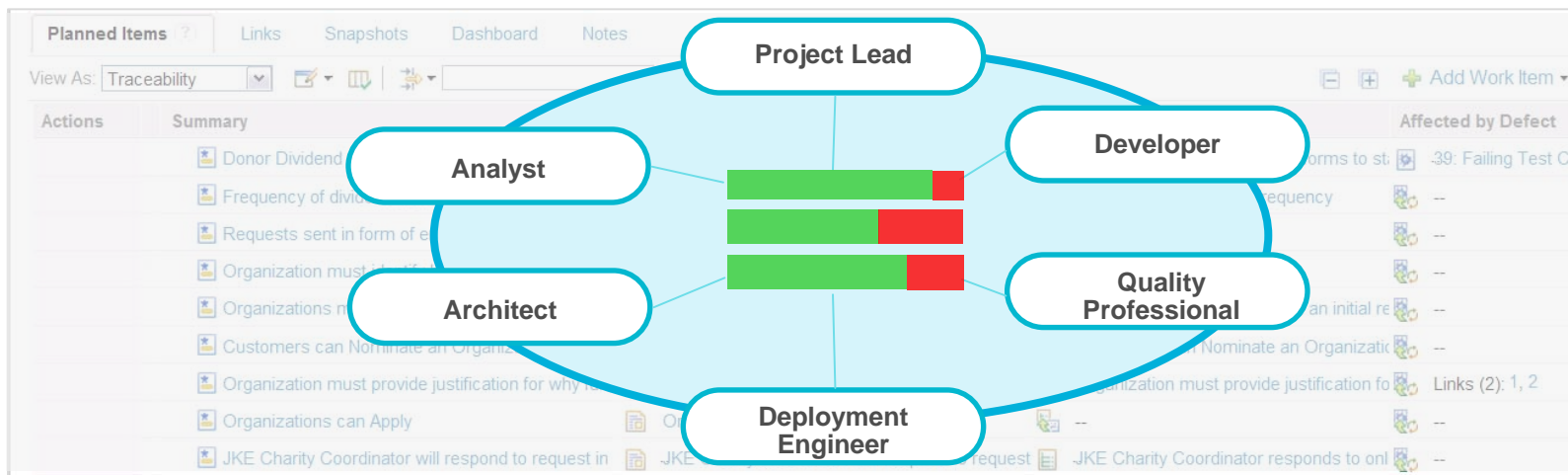
1. Real-time planning
2. Lifecycle traceability
3. In-Context collaboration
4. Development intelligence
5. Continuous improvement



What is Real-time Planning?

Real-time Planning improves time to delivery by:

- Providing a **single plan** that spans requirements, development, and test, ensuring a team understanding of the overall scope of a project
- Allowing **everyone to participate** in keeping the plan current and accurate
- **Integrating planning with execution**, ensuring the entire team understands the true project status
- Helping teams **respond to the unexpected** in a timely manner ensuring the team stays on schedule



One plan - Multiple views facilitate detailed analysis

1 BRM Sprint 2 (1.0) Plan

26 items: 23 open, 3 closed | Ends in: 3 days

Plan Details Edit

Planned Items Links Snapshots Dashboard Notes

View As: Roadmap (3 items filtered) Add Work Item

Actions	Summary	Effective Estimate	Owned By	3/13/11	3/20/11	3/27/11	4/3/11	4/10/11	4/17/11
				S	M	T	W	T	F
	▶ Frequency of dividend transfer	--	Unassig						
	▶ Requests sent in form of email	--	Unassig						
	▼ Organization must identify how much money is desired	--	Marco						
	▶ Implement - Organization must identify how much money	1.5 days	Marco						
	▼ Organizations may apply with an initial request	--	Marco						
	▶ Implement - Organizations may apply with an initial requ	4 hours	Marco						
	▼ Customers can Nominate an Organization	--	Deb						
	▶ Implement - Customers can Nominate an Organization	1 day	Deb						
	▶ Organization must provide justification for why funds are	--	Marco						

2 BRM Sprint 2 (1.0) Plan

30 items: 25 open, 5 closed | Ends in: 6 days

Plan Details

Planned Items Links Snapshots Dashboard Notes

View As: Taskboard

Story	Open	In Pro
▶ Donor Dividend Allocation Criteria	▶ Implement - Donor Dividend Allocation Criteria	
▶ Frequency of dividend transfer		▶ Implement - Frequency of dividend transfer

3 BRM Sprint 2 (1.0) Plan

30 items: 25 open, 5 closed | Ends in: 6 days

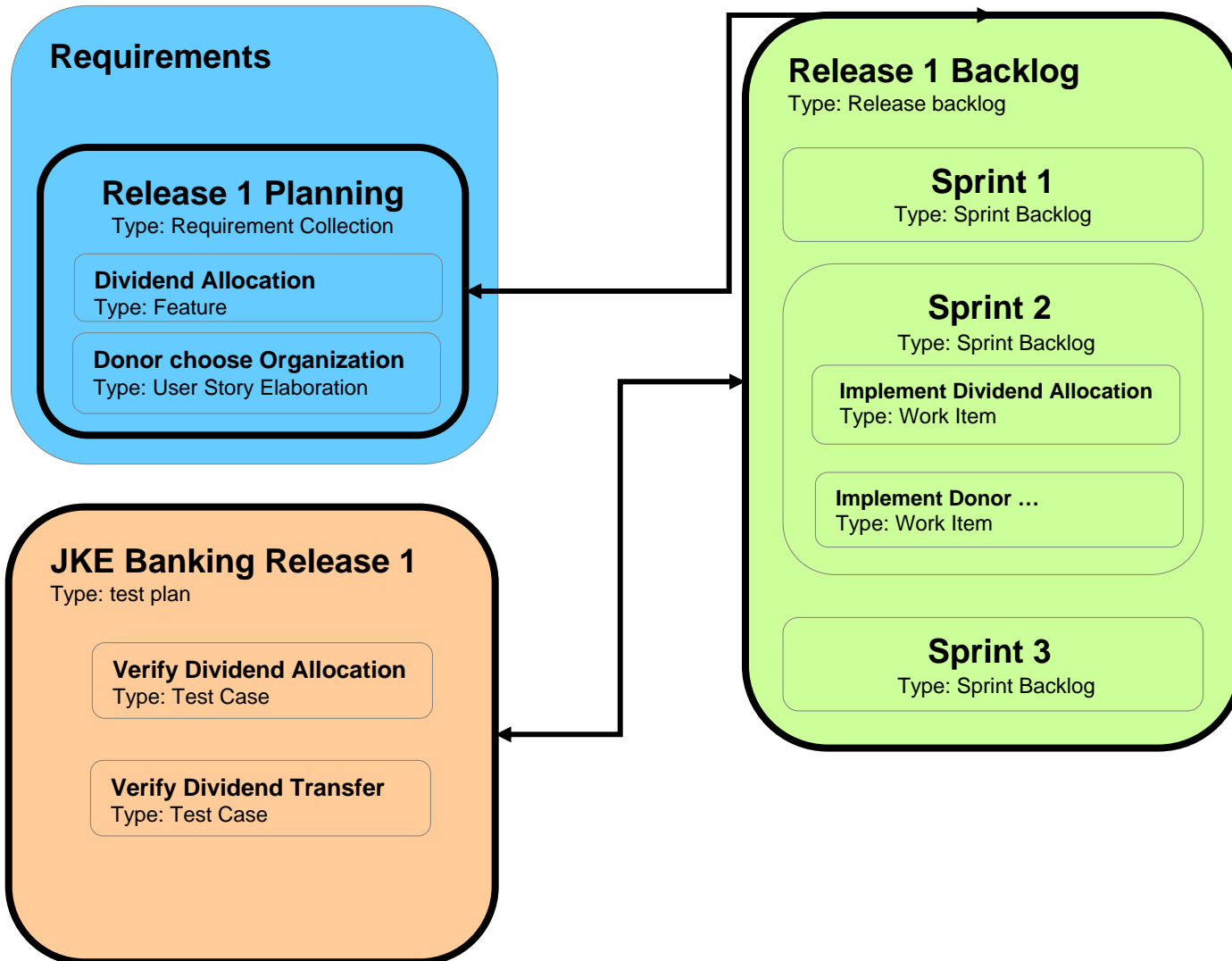
Plan Details

Planned Items Links Snapshots Dashboard Notes

View As: Planned Time

Name	Closed Items	Open Items	Load	Availability
Bob	0	1	0/8	+8 h
CP	0	1	0/8	+8 h
Deb	3	5	168/8	-160 h
Marco	2	14	92/8	-84 h
Tanuj	0	0	0/8	+8 h

Key planning relationships



Insure alignment across the business, development and test teams

The screenshot displays the Rational CCM interface for 'JKE Banking (Change Management)'. The main view is the 'Release 1.0 Backlog', which contains 36 items (31 open, 5 closed) and ends in 24 days. The 'Links' tab is active, showing a table of links. A green box highlights the 'Implements Requirement Collection' and 'Tested by Test Plan' link types. Arrows point from these link types to callout boxes: '✓ Linked to Requirement Collection' and '✓ Linked to Test Plan'.

Actions	Link Type	Progress
	Related Plans	
	BRM Sprint 2 (1.0) Plan	0/16
	Product Backlog	0/0 pts 67%
	Implements Requirement Collection	
	97: Release 1 Planning	
	Tested by Test Plan	
	3: JKE Banking Release 1	

Rankings improve clarity

Team clearly understand the goals

BRM Sprint 2 (1.0) Plan

28 items: 25 open, 3 closed | Ends in: 3 days

Plan Details

Planned Items ? Links Snapshots Dashboard Notes

View As: Ranked List

Actions	Summary	Story Points	Effective Estimate	Priority	Rank
	Search is not finding this term	--	1 hour	High	1
	Improve link colors	--	1 hour	High	2
	Login not working anymore	--	5 hours	High	3
	Donor Dividend Allocation Criteria	5 pts	--	High	4
	Implement - Donor Dividend Allocation Criteria	--	2.5 days	High	5
	Logout is not working anymore	--	3 hours	Medium	6
	Performance on first startup is bad	--	2 hours	Medium	7
	Some links are not working	--	5 hours	Medium	8
	Implement - Frequency of dividend transfer	--	1 week	Medium	9
	SWT Exception	--	1.5 days	Medium	10
	Implement - Requests sent in form of email	--	4 days	Medium	11
	Implement - Organization must identify how much money is desired	--	1.5 days	Medium	12
	Implement - Organization must provide justification for why funds are nee...	--	4 hours	Medium	13
	Implement - Organizations can Apply	--	1 day	Medium	14

Plan at the right level of detail

- Everyone participates in planning

The screenshot shows a project plan for 'BRM Sprint 2 (1.0) Plan' with a 3-day duration. It features a table of work items with columns for Actions, Summary, Effective Estimate, Progress, Status, Work Item Type, Change Sets, and Attachments. Callouts highlight specific features: 'Stories decomposed into the right set of tasks' points to a task list; 'Plans include all work!' points to the overall plan view; 'All team members, All types of work' points to the 'Work Item Type' column.

Actions	Summary	Effective Estimate	Progress	Status	Work Item Type	Change Sets	Attachments
	Improve link colors	1 hour	0/1 h	New	Defect	--	--
	Donor Dividend Allocation Criteria	--	0/5 pts 0/20 h	In Progress	Story	--	Links (2...
	Implement - Donor Dividend A...	2.5 days	0/20 h	New	Task	--	--
	Update router module with ne...	--	0/0 h	In Progress	Task	Changes in P...	--
	create new service for validati...	--	0/0 h	In Progress	Task	Changes in W...	--
	Performance on first startup is bad	2 hours	0/2 h	New	Defect	--	--
	Some links are not working	5 hours	0/5 h	New	Defect	--	--
	Frequency of dividend transfer	--	0/13 pts 0/40 h	New	Story	--	--
	Requests sent in form of email	--	0/8 pts 0/32 h	New	Story	--	--

✓ Stories decomposed into the right set of tasks

✓ Plans include all work!
 ✓ All team members,
 ✓ All types of work

Test your real-time planning capabilities

Can your team...

- Plan across the entire team?
- Plan for waterfall, iterative and agile environments?
- Integrate planning with execution?
- Instantly see the impact of a change in project scope or resources?

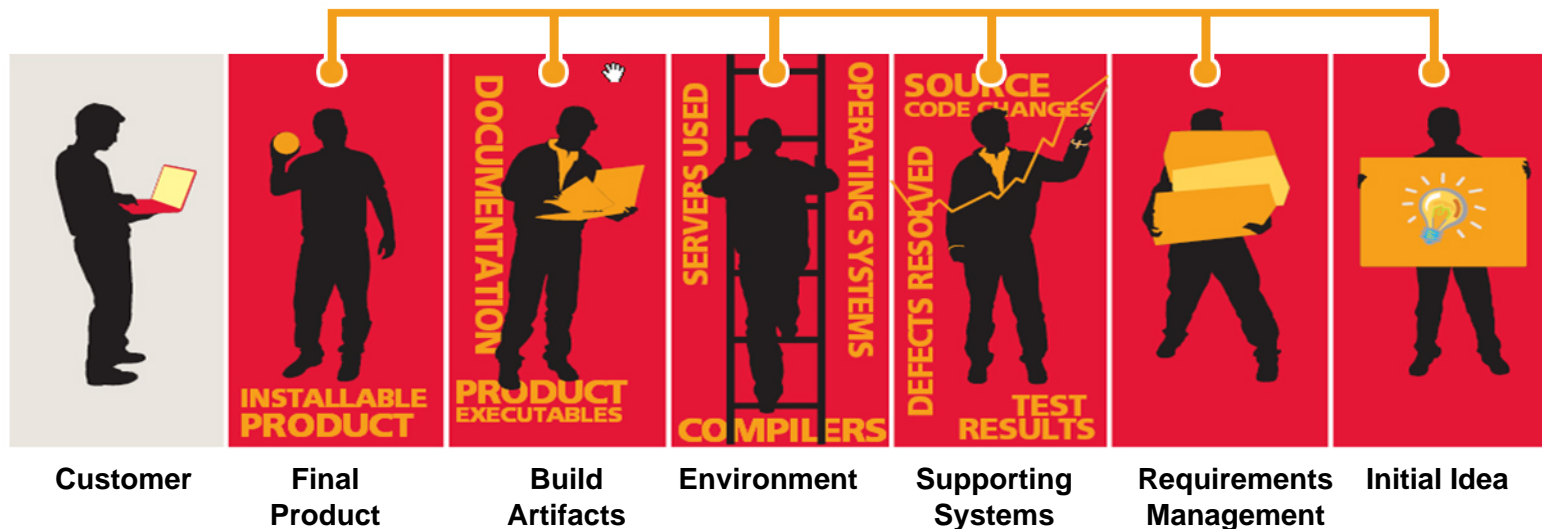


What is Lifecycle Traceability?

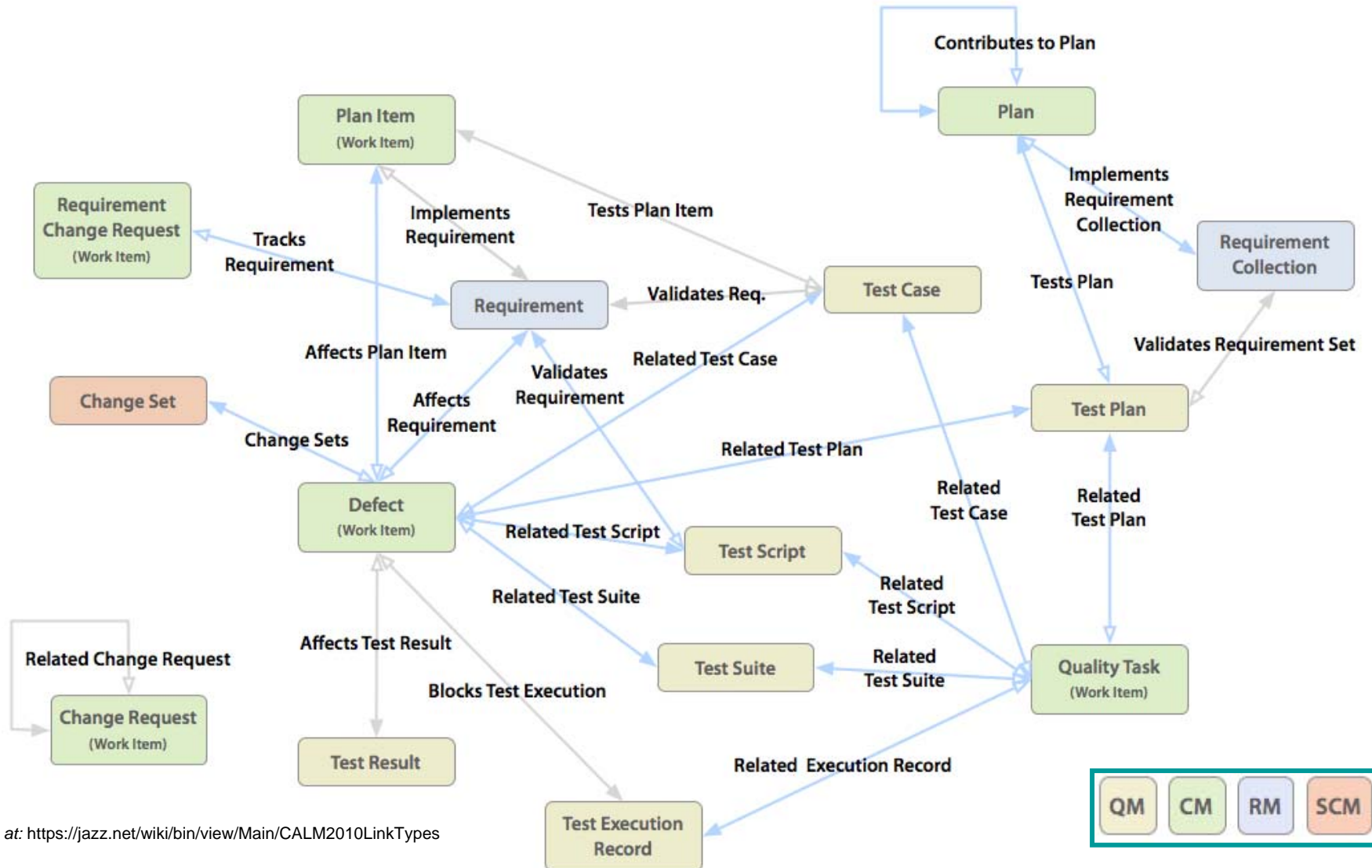
Lifecycle Traceability improves quality by:

- Establishing **relationships between software artifacts**
- Helping you **identify and close artifact gaps**, ensuring **coverage** across disciplines
- Provides visibility into the **completeness** of planned items by inspecting all related artifacts
- Provides easy **access to related artifacts** ensuring everyone shares the same view
- Delivers transparency which enables everyone to make **fully informed decisions** based business priorities

Instant access to details from any point in the development process

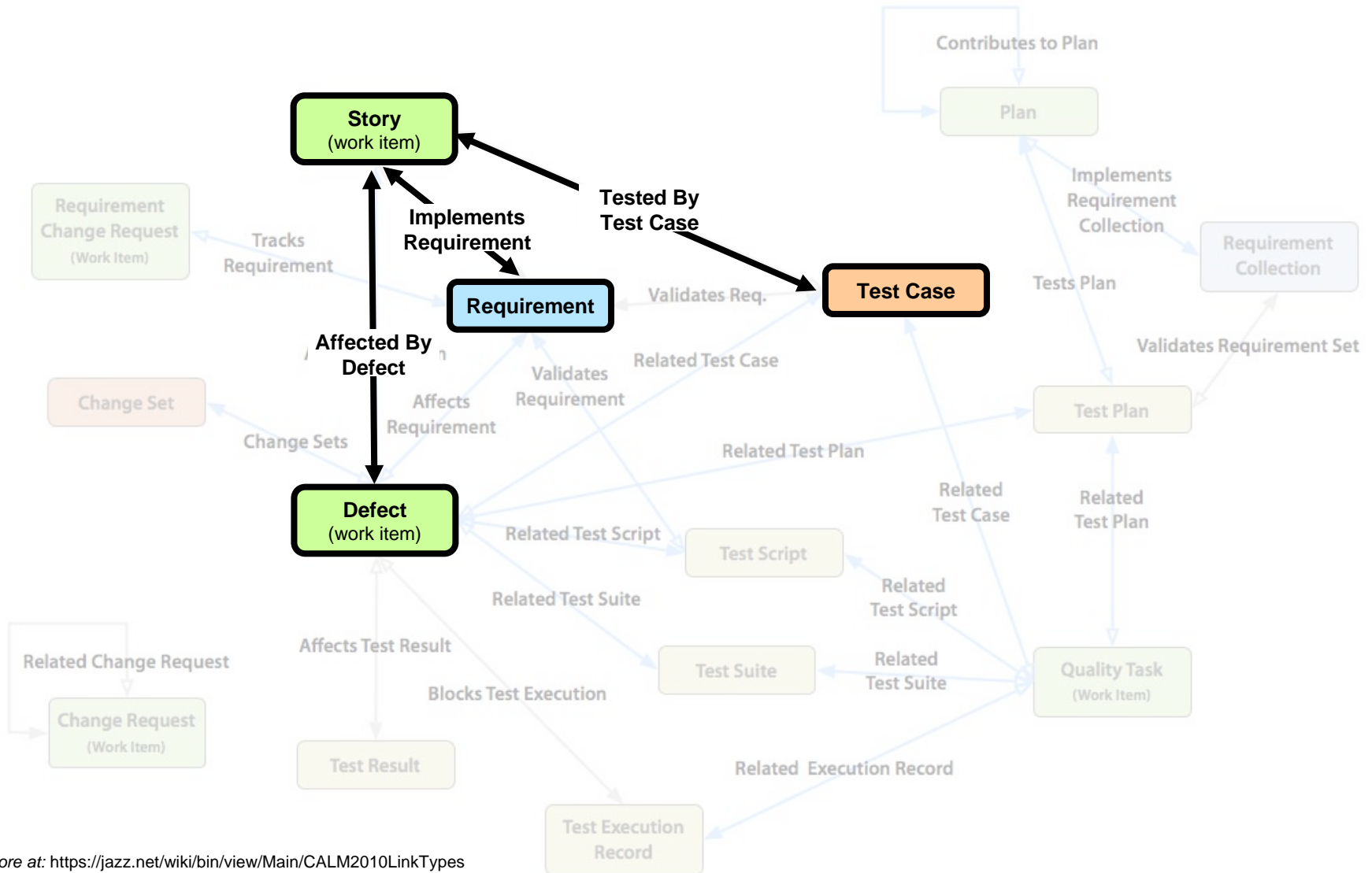


CLM Link Types



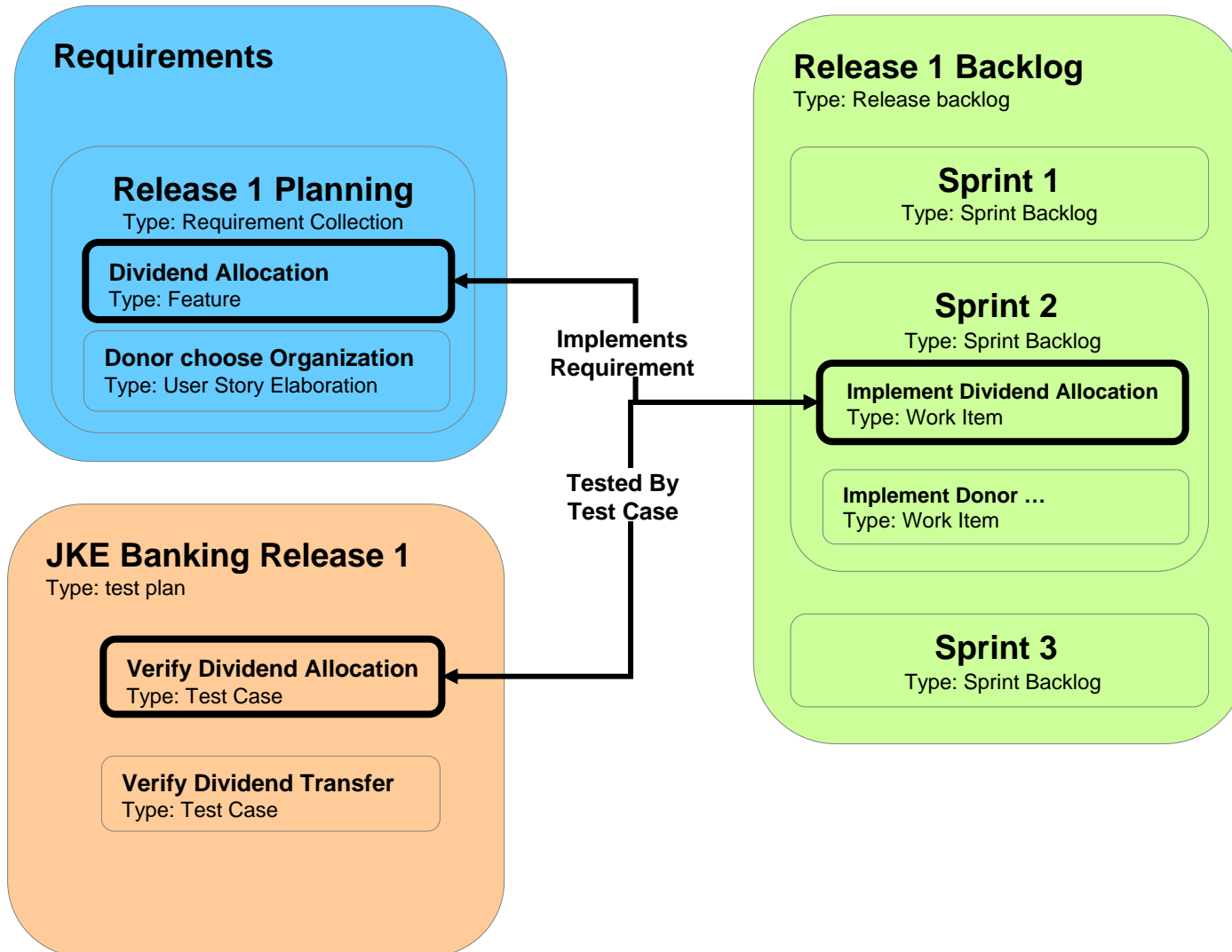
Learn more at: <https://jazz.net/wiki/bin/view/Main/CALM2010LinkTypes>

SCRUM process Template



Learn more at: <https://jazz.net/wiki/bin/view/Main/CALM2010LinkTypes>

Key lifecycle traceability relationships



Developer have visibility into the Requirement they will be implementing

For the Developer

- ✓ **Rich Hovers** provides insight at your finger tips reducing time to value.
- ✓ **Clickable links** provides valuable information on requirement

The screenshot shows a software development tool interface. A requirement card titled "29: Customers can nominate an organization for the program" is displayed. The card includes a summary, location (JKE Banking (Requirements) Features, Extended Functionality, Release 1), and attributes (Type: Feature, Format: Text, Description, Stability: Medium, Origin: Customer, Difficulty: Medium, Status: Draft, Business Priority: Should). A red box highlights the "Status: Draft" attribute. Below the attributes, there are links for "Constrained by (3): 27, 72, 84", "References Term (3): 13, 31, 102", "Implemented By (1): ...", "Link To (1): 81", and "Embedded In (1): 112". A green box highlights the "Story 64" card and the "Implements Req" section, which lists requirements 29, 6, 7, 10, and 9.

29: Customers can nominate an organization for the program

Requirement: Customers can Nominate an Organization Brief
Description Customer may nominate an organization for assistance whether a result of a catastrophic event or from some other justification. A

Location
JKE Banking (Requirements) Features
Extended Functionality, Release 1

Attributes

Type:	Feature	Format:	Text
Description:		Stability:	Medium
Origin:	Customer	Difficulty:	Medium
Status:	Draft	Business Priority:	Should

Links
Constrained by (3): 27, 72, 84
References Term (3): 13, 31, 102
Implemented By (1): ...
Link To (1): 81
Embedded In (1): 112

Implements Req
29: Custom
6: Organization must identify how much money is desired
7: Allocate dividends by amount and frequency
10: Customers can Nominate an Organization
9: Donors Can Choose to Support an Organization

Team Leads have visibility into coverage & completeness

- Proactively respond to gaps as they surface through out the project
- Issues quickly highlighted and resolved

BRM Sprint 2 (1.0) Plan * ?

26 items: 23 open, 3 closed | Ends in: 3 days

Plan Details [Edit](#)

Planned Items ? [Links](#) [Snapshots](#) [Dashboard](#) [Notes](#)

View As: Traceability [Type to Filter](#) (17 items filtered) [Add Work Item](#)

Actions	Summary	Owned By	Implements Requirement	Tested By Test Case	Affected by I
	Requests sent in form of email	Unassigned	Requests sent in form of email	--	--
	Frequency of dividend transfer	Unassigned	--	Verify dividend transfer frequency	--
	Organization must provide justification for why funds are neec	Marco	Organization must provide justification for why funds are ne	Organization must provide justificatio	--
	Organizations can Apply	Marco	Organizations can apply	Organizations can Apply	--
	Organization must identify how much money is desired	Marco	Organization must identify how much money is desired	Organization must identify how much	Links (2)
	Donor Dividend Allocation Criteria	Deb	Donor Dividend Allocation Criteria	Donor dividend allocation conforms t	--
	Organizations may apply with an initial request	Bob	Organizations may apply with an initial request	Organizations may apply with an initi	--
	JKE Charity Coordinator will respond to request in the websit	Marco	JKE Charity Coordinator will respond to request in the web	JKE Charity Coordinator responds to	425: Rur
	Customers can Nominate an Organization	Marco	Customers can nominate an organization for the program	Customers can Nominate an Organi	--

Automated defect traceability reduces costs and improves quality

4-clicks to submit a defect automatically linked to impacted artifacts

Test results are recorded and linked to test cases, and associated requirements

Test results can be linked to software builds

Everyone has visibility into the defects, their impact, and the action taken to resolve them



Testers execute tests and submit defects

Execution Result
Result Overview | History

Action: Select Action → State: Draft

ID: 5
Actual Result: **Failed**
Host Name: Local Computer
Owner: cp

Test Plan: 3: JKE Banking Sprint 2
Test Milestone:
Test Case: 1: Frequency of dividend transfer
Test Script: Allocate Dividends to a Single Cause
Test Data: Unassigned
Build: Unassigned
Weight: 1

Defects

76: Failing Test Case "Frequency of dividend transfer"

Status: **New** Resolution: **Failing Test Case "Frequency of dividend transfer"**

Details

Type: Defect
Filed Against: JKE/BRM
Severity: Normal
Found In: Unassigned
Team Area: Business Recovery Matters / JKE Banking
Creation Date: September 29, 2010 10:22 AM
Created By: cp

Quick Information

- Subscribers (1): c
- Affects Plan Item (1): 1
- Affects Requirement (1): 1
- Tracks Test Case (1): 1
- Tracks Test Plan (1): 1

Description

Test Plan: JKE Banking Sprint 2

Defect 76

Summary: * Failing Test Case "Frequency of dividend transfer"

Overview | Links | Approvals | History

Attachments

Add File: Browse...

No Attachments.

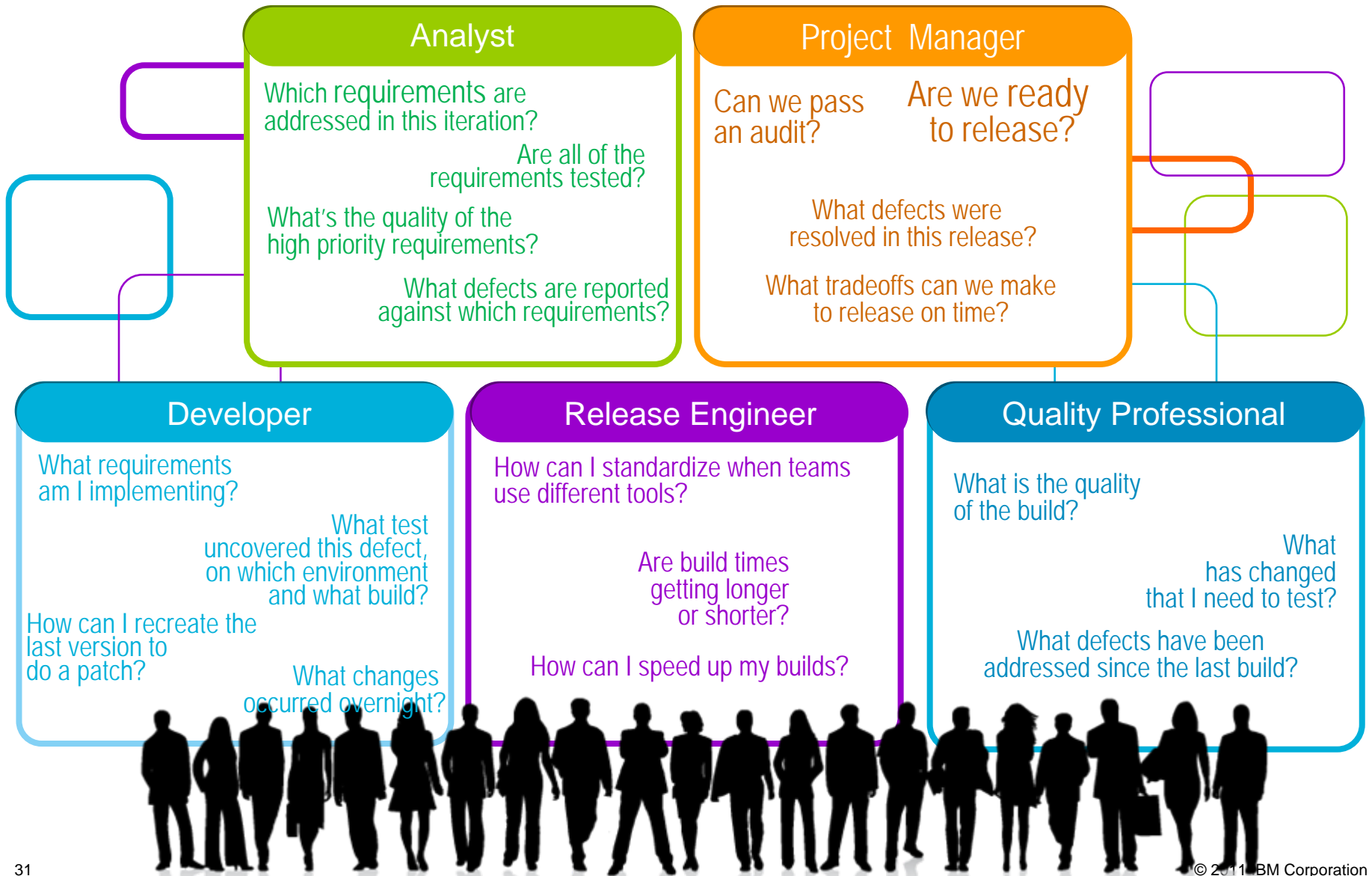


Developers can see the exact test failure without having to ask and remediate it

Actions	Summary	Owned By	Implements Requirement	Tested By Test Case	Affected by Defect
	Requests sent in form of email	Unassigned	Requests sent in form of email	--	--
	Frequency of dividend transfer	Unassigned	--	Verify dividend transfer frequency	--
	Organization must provide justification for why funds are nee	Marco	Organization must provide justification for why fund	Organization must provide justification fo	--
	Organizations can Apply	Marco	Organizations can apply	Organizations can Apply	--
Defect	Organization must identify how much money is desired	Marco	Organization must identify how much money is des	Organization must identify how much mo	Links (2): 1, 2
	Donor Dividend Allocation Criteria	Deb	Donor Dividend Allocation Criteria	Donor dividend allocation conforms to st	--
	Organizations may apply with an initial request	Bob	Organizations may apply with an initial request	Organizations may apply with an initial re	--
Defect	JKE Charity Coordinator will respond to request in the we	Marco	JKE Charity Coordinator will respond to request in	JKE Charity Coordinator responds to onl	425: Running out of SW
	Customers can Nominate an Organization	Marco	Customers can nominate an organization for the pi	Customers can Nominate an Organizati	--

Test your lifecycle traceability capabilities

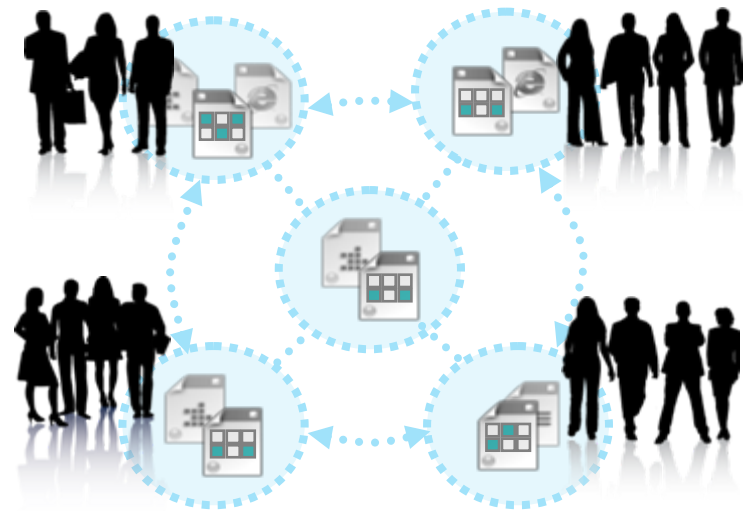
Can your team answer these questions...



What is In-Context Collaboration?

In-Context Collaboration improves product value by:

- Making **information immediately accessible** to all team members in the context of their work
- Empowering teams to collaborate on and review software development artifacts so they can **incorporate feedback early and often**
- Providing **single source of truth** hosted in a shared repository so that team members can collaborate effectively around the globe



Rich hovers automate information access without having to click

✓ Rich hovers provide quick access to information to determine if additional details are required!

The screenshot shows a web application interface for 'Quality Management (/qm)' titled 'JKE Banking (Quality Management)'. The main navigation bar includes 'Requirements', 'Planning', 'Construction', 'Lab Management', 'Builds', 'Execution', and 'Reports'. A 'Mini Dashboard' is visible on the left with a 'My Tasks' section containing a search box and a list of tasks. One task, 'Release 1 Planning (14)', is highlighted. A rich hover menu is displayed over this task, showing a list of items (58, 78, 80, 69, 79) with a '13 More' link. Below the list are sections for 'Location' (JKE Banking (Requirements), Collections, Release 1), 'Attributes' (Type: Release Collection, Format: Collection, Description, Status: Approved), and 'Links' (Validated By (1): ..., Implemented By (1): ...).

In-Context Collaboration always shows the latest

Comments (4)

- Bob to Deb, Marco 5 minutes ago (2 replies)

Percentage format - numer of decimal places

How many decimal places should we support for percent

Example: none - 16%, 1 decimal place 16.5%
- Marco to Bob, Deb 5 minutes ago

RE: Percentage format - numer of decimal places #1

I checked the DB table. We did not take into account decimals for this percentage. If we are going to support decimals I need to know ASAP.
- Deb to Bob, Marco Now

RE: Percentage format - numer of decimal places #2

Bob, is no decimal support acceptable to the business?
- Tanuj to Bob 1 minute ago

What is the minimum percentage?

Threaded discussions on requirements

View All Artifacts

Page size: 20

ID	Name	Artifact Type	Last Modified By	Last Modified Date
44	Accounts Overview	Part	JTSAdmin	Mar 26, 2011 5:43:06 PM
50	Transaction History	Part	JTSAdmin	Mar 26, 2011 5:43:10 PM
53	Accounts Overview (Home Page)	Sketch	JTSAdmin	Mar 26, 2011 5:43:11 PM
55	Dividend Contribution - screen flow	Screen Flow	JTSAdmin	Mar 26, 2011 5:43:11 PM
60	Account Details	Part	JTSAdmin	Mar 26, 2011 5:43:13 PM
67	Dividend Contribution	Storyboard	JTSAdmin	Mar 26, 2011 5:43:15 PM
75	Donor must be registered user to access account details	Business Rule	JTSAdmin	Mar 26, 2011 5:43:19 PM
79	Donors will receive confirmation and receipt	Feature	JTSAdmin	Mar 26, 2011 5:43:21 PM
89	Dividend contribution - confirmation	Sketch	JTSAdmin	Mar 26, 2011 5:43:23 PM

Recent discussions highlighted on requirements

Work Items Tag Cloud Problems

Found 9 work items - Stories (current sprint)

Id	Status	P	Story Points	Summary	Owned By
55	New	13 pts	Frequency of dividend transfer	Deb	
59	Implemented	8 pts	Requests sent in form of email	Marco	
60	New	3 pts	Organization must identify how much money is desired	Marco	
62	New	1 pt	Organizations may apply with an initial request	Marco	
64	In Progress	2 pts	<u>Customers can Nominate an Organization</u>	Deb	
66	New	1 pt	Organization must provide justification for why funds are needed	Marco	
69	New	2 pts	Organizations can Apply	Deb	
70	In Progress	5 pts	Donor Dividend Allocation Criteria	Deb	
71	New	1 pt	JKE Charity Coordinator will respond to request in the website trigger...	Marco	

Unread work Items bolded for developers

Viewlets focus the team on recent comments and changes

Comments in All Projects (4)

- Marco to clmadmin 10 minutes ago
Respond to customer request within forty eight hours
- Tanuj to clmadmin 15 minutes ago
Back Office System
- Tanuj to clmadmin 20 minutes ago
Organizations can apply
- clmadmin 20 minutes ago
Dividend allocation by percentage

Page 1 of 1



Requirements comment updates

Feeds focused on Requirement comments focus stakeholders on changes and strip out the noise of attributes changes etc..

Any changes to a Requirement



Feeds on all changes give project leads visibility into all requirements changes so that know exactly what is changing by whom and can access immediately assess the impact for the team.

Recent Changes in All Projects (100)

- Dividend Contribution to Multiple Organizations (122) Mar 26, 2011
- User Story Elaboration Template (121) Mar 26, 2011
- Dividend allocation by percentage (120) Mar 26, 2011
- Use Case Template (119) Mar 26, 2011
- Donors can choose to support an organization (118) Mar 26, 2011
- Allocating Dividends to Cause (117) Mar 26, 2011
- Allocate dividends by amount and frequency (116) Mar 26, 2011
- Donate wizard pg 1 (115) Mar 26, 2011
- Apply for Organizational Funding (114) Mar 26, 2011
- Core Functionality (113) Mar 26, 2011

Page 1 of 10

Comments on requirements details are in-context

The screenshot displays a requirement titled "79: Donors will receive confirmation and receipt". The requirement is structured into sections: "Key Scenarios" and "Related Features". The "Key Scenarios" section contains five numbered items. The fifth item, "The printed confirmation notice must be in a format that is acceptable by country, state, and province agencies and will be mailed in their Bank Statement", is highlighted with an orange border. To the right of the requirement is a comment thread titled "Comments (2)". The first comment, from Marco to Bob, asks "Statements must be mailed?" and includes a red text annotation: "Does paper still need to be mailed?". The second comment, from Bob to Marco, replies "RE: Statements must be mailed? [RE: #1]" and states "No requirement to mail if customer selected electronic statments." The interface includes various icons for editing and viewing the requirement, and an "Edit" button.

79: Donors will receive confirmation and receipt

Key Scenarios

1. Donor will receive confirmation notice that donation has been processed.
2. Once the confirmation is received, the Back Office System will initiate an email to the donor based on the primary contact information in the donor's profile.
3. If the profile indicates no email address available and or the given email address is not valid, then a hard copy of the donation will be sent to the donor's mailing address specified in the donor's profile.
4. The Donor will receive an email - mail notice affirming the donation % and amount.
 1. If in email, the donor will be provided an option to print the confirmation notice for tax purposes.
5. The printed confirmation notice must be in a format that is acceptable by country, state, and province agencies and will be mailed in their Bank Statement

Related Features

Overview

Comments (2)

1. Marco to Bob 1 minute ago (1 reply)
Statements must be mailed?
We need to understand if this applies to customers that have opted for electronic statements. Does paper still need to be mailed?
2. Bob to Marco 2 minutes ago
RE: Statements must be mailed? [RE: #1]
No requirement to mail if customer selected electronic statments.

A click on the comment highlights the text under discussion.

Test your In-Context Collaboration capabilities

Can your team...

- Easily access the “single source of the truth” through linked artifacts?
- Quickly grasp the “who, what, when and why” of team activities?
- Bring new team members up-to-speed quickly?
- Overcome the barriers of multiple time zones when working with outsourced and distributed team members?

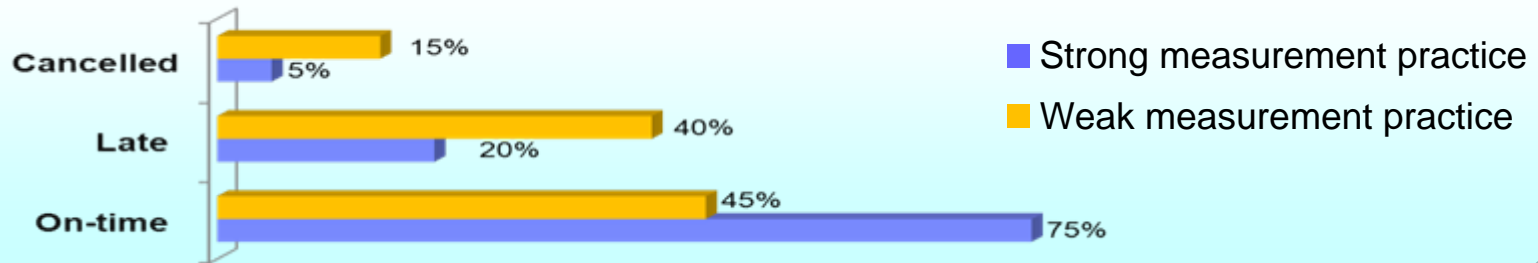


What is Development Intelligence?

Development Intelligence improves predictability by:

- Applying **Business Intelligence techniques** to software and systems development
- Enabling **fact-based decision making** (to communicate status, monitor progress, diagnose problems, identify corrective actions)
- **Steering projects and programs** to deliver on-time

Measurement practices impact project success



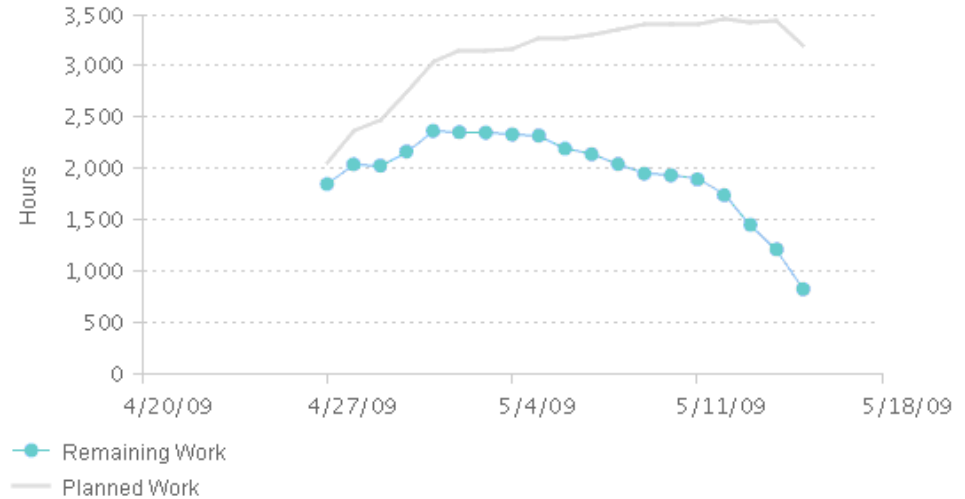
Source: Capers Jones, *Measurement, Metrics and Industry Leadership*, 2009 and *Software Engineering Best Practices*, McGraw Hill, 2010.

Measuring Time-to-Value (Schedule)

Iteration Burndown

Showing how much work is left to do in an iteration. It enables the team to adjust scope or resources to finish the iteration successfully.

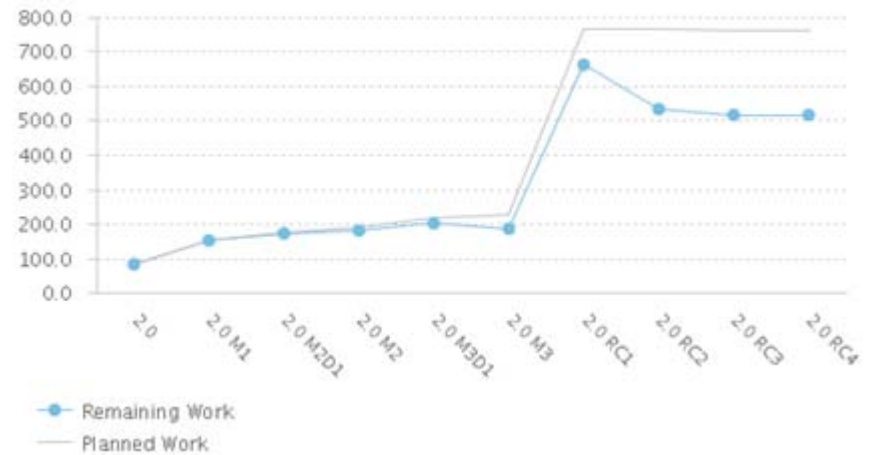
Burndown



Release Burndown

Shows the estimated functionality remaining to complete the current release.

Release burndown

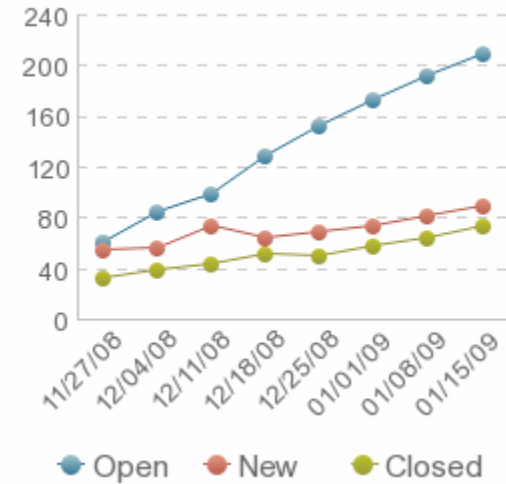


Measuring Product Quality

Defect Trends

Shows defect arrival and closure rates, determines the remaining defect backlog, projects the future defect arrival/close rate up to and post-ship

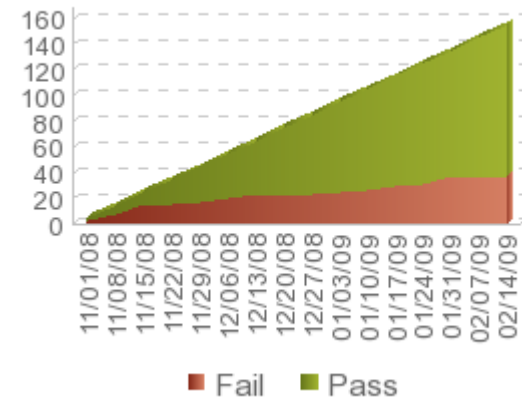
Number of Defects



Test Execution Status

Monitors test completion and success

Number of Executed Tests



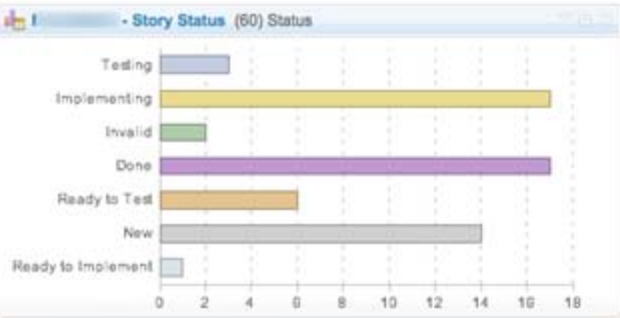
Use dashboards to provide that 1 view of project health

JKE Banking (Change Management)* ?

- Overview
- Time to Value (Schedule)
- Product Value
- Product Cost
- Product Quality
- Reports
- Stabilization

Story Status Current Iteration

Shows the status of all stories planned for the current iteration



- #### Current Stories (60)
- 150501: Improve Web UI error reporting
 - 154382: Completion (M14) of foundation support for migrating RRC 2.x to 3.0, and JTS consolidation
 - 155918: Provide TVT testcases and testcase updates to TVT team
 - 154263: [Continuation] Create server diagnostics tests and reports that make various checks
 - 155024: Track the fixing of hangs occurring on shutdown of the CLM server
 - 155399: [Repository - M14] Performance, quality and robustness enhancements
 - 156051: Improvements and fixes for CLM migration automation
 - 154929: [Repository - M14] Address high severity defects, Reduce backlog
 - 155033: Explore servlet dispatching enablement as a backup option
 - 155486: [Repository M14] Serviceability and Consumability Improvements
- Page 1 of 6

Burndown Current Iteration

Shows the remaining amount of estimated work in hours of work items planned for the current iteration.



Stories Open/Closed/In Progress

Shows the number of stories which are open, in progress, done during the iteration.



Test your development intelligence

Can your team...

- **Time-to-Value**

- Produce the right capabilities according to the committed schedule?

- **Product Value**

- Deliver a valuable product?

- **Product Cost**

- Measure what we spending to deliver the system?

- **Product Quality**

- Build a high quality system?

- **Predictability**

- Manage the risk and uncertainty?



What is Continuous Improvement?

Continuous Improvement reduces cost by:

- Improving software delivery through the ongoing **adoption of best practices and automation** to reduce manual, non-creative and error prone tasks
- Promoting **incremental improvement of a project** when needed
- Enabling breakthrough improvement by **capturing best practices and reusing** across teams
- Allowing **everyone to participate** with easy to adopt best practices at your fingertips.

“Successful analytics requires taking it beyond software and reporting, and into the realm of management practices and operations improvement”

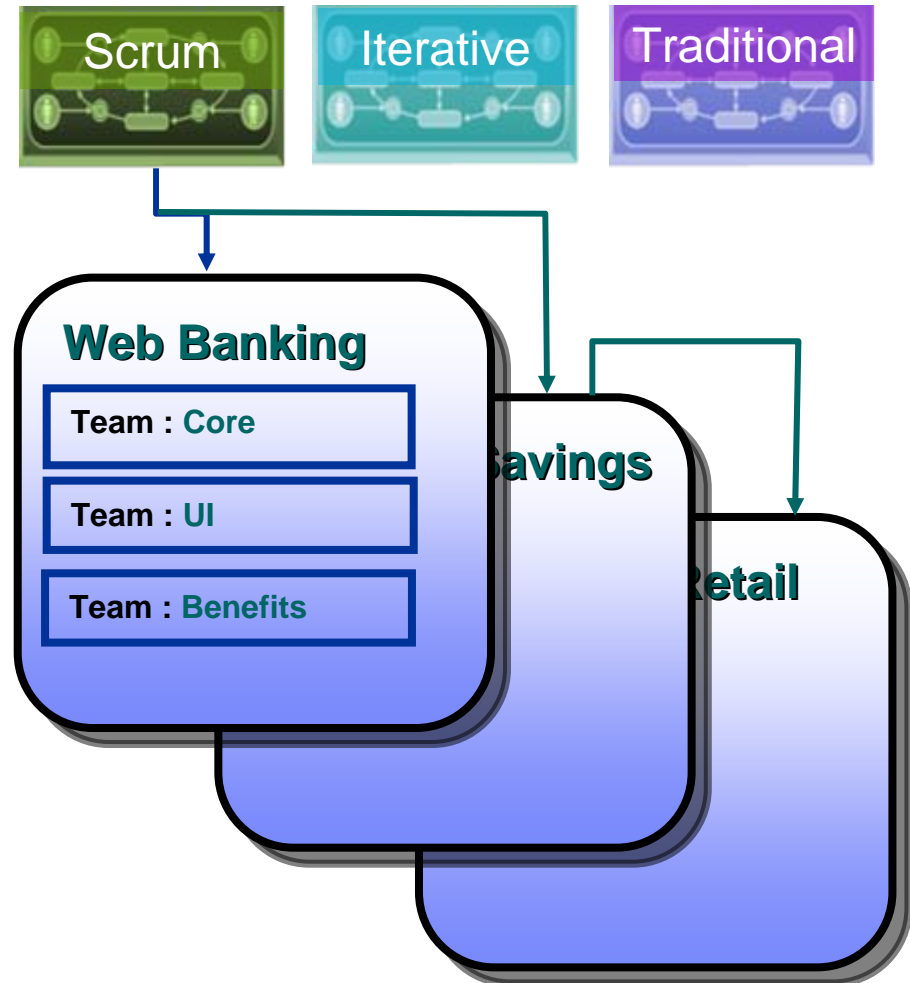
Information Management Online, February 23, 2011

Adopt - Process Sharing

Leverage the Best practices from Rational and other teams

Process Templates on Server: JKE.tools.com:9443/JTS

- 1 Import/export Templates**
Provides the ability to leverage best practices from Rational and other teams
- 2 Servers support multiple templates**
Allowing administrators to support different processes.
Teams improve their process independently.
- 3 Process updates can be shared**
Allows teams to control when they want to accept improvements.



Team Retrospectives help identify areas of improvement

- Tracking Retrospectives help team members to collaborate on improvements.
 - Ranking of process improvements help to focus on where the team feels the biggest pain.
 - Metrics where available help support process improvements and show results.

The screenshot displays the IBM Rational Change and Configuration Management (CCM) interface. The main window is titled "JKE Banking (Change Management)" and shows a list of Retrospectives. The list has columns for Id, Status, Summary, Filed Against, Planned For, and Actions. Three items are visible:

Id	Status	Summary	Filed Against	Planned For	Actions
77	New	Builds are not completing as frequent as before	Build	Unassigned	
32	New	Retrospective for Sprint 2	JKE	Sprint 2	
31	Done	Retrospective for Sprint 1			

The detailed view for item 31, "Retrospective for Sprint 1", is shown on the right. It includes the following information:

- Status: Done
- Filed Against: JKE
- Planned For: Sprint 1
- Project Area: JKE Banking (Change Management)
- Resolution Date: March 26, 2011 5:44 PM
- Owned By: Marco
- Resolved By: Marco
- Quick Information: Subscribers (1): M, Approve Sprint 1 Retrospective: Approved (1 of 1), Mentions (3)
- Notes: Discussion

The discussion notes are as follows:

1. Deb, Mar 6, 2011, 1:58 AM
@marco When will we have the meeting for the retrospective?
2. Sally, Mar 6, 2011, 8:10 PM
@deb I think it will be tomorrow?
3. Marco, Mar 8, 2011, 6:41 AM
Yes @deb and @sally, it will be today!

The IBM logo is visible in the bottom left corner, and the Jazz logo is in the bottom right corner.

Implement : Require Unit test before deliver

Operation Behavior

Select a cell in the table below to configure the preconditions and follow-up actions for the corresponding operation and role.

Preconditions are checked before running an operation; follow-up actions are executed after. An operation's preconditions and follow-up actions can be configured differently for each role. Note that operation configurations completely replace each other; they are not additive. The process runtime will choose the most appropriate operation configuration for the logged-in user and will use only the preconditions and follow-up actions defined in that configuration.

Operations	Everyone (d...	Team Member	Team Lead
Reports			
Deploy Report (server)			
Deploy Report Template (server)			
Display Report (server)			
Manage Report Folder (server)			
Source Control			
Deliver (client)			
Deliver (server)			
Save Change Set Links and Comments (server)			
Work Items			
Save Work Item (server)			

The deliver operation is performed when changes or baselines are delivered from a workspace to a stream.

Preconditions and follow-up actions are configured for this operation

Final (ignore customization of this operation in child team areas)

Preconditions (7 available):

Add...

Remove

Up

Down

Name: <Select a precondition or Follow-up action>

Description:

Follow-up actions (0 available):

Add...

Remove

Up

Down

Add Preconditions

Select the preconditions to add:

Prohibit Non-Externalized Java Strings

Prohibit Unused Java Imports

Prohibit Workspace Errors

Require Content

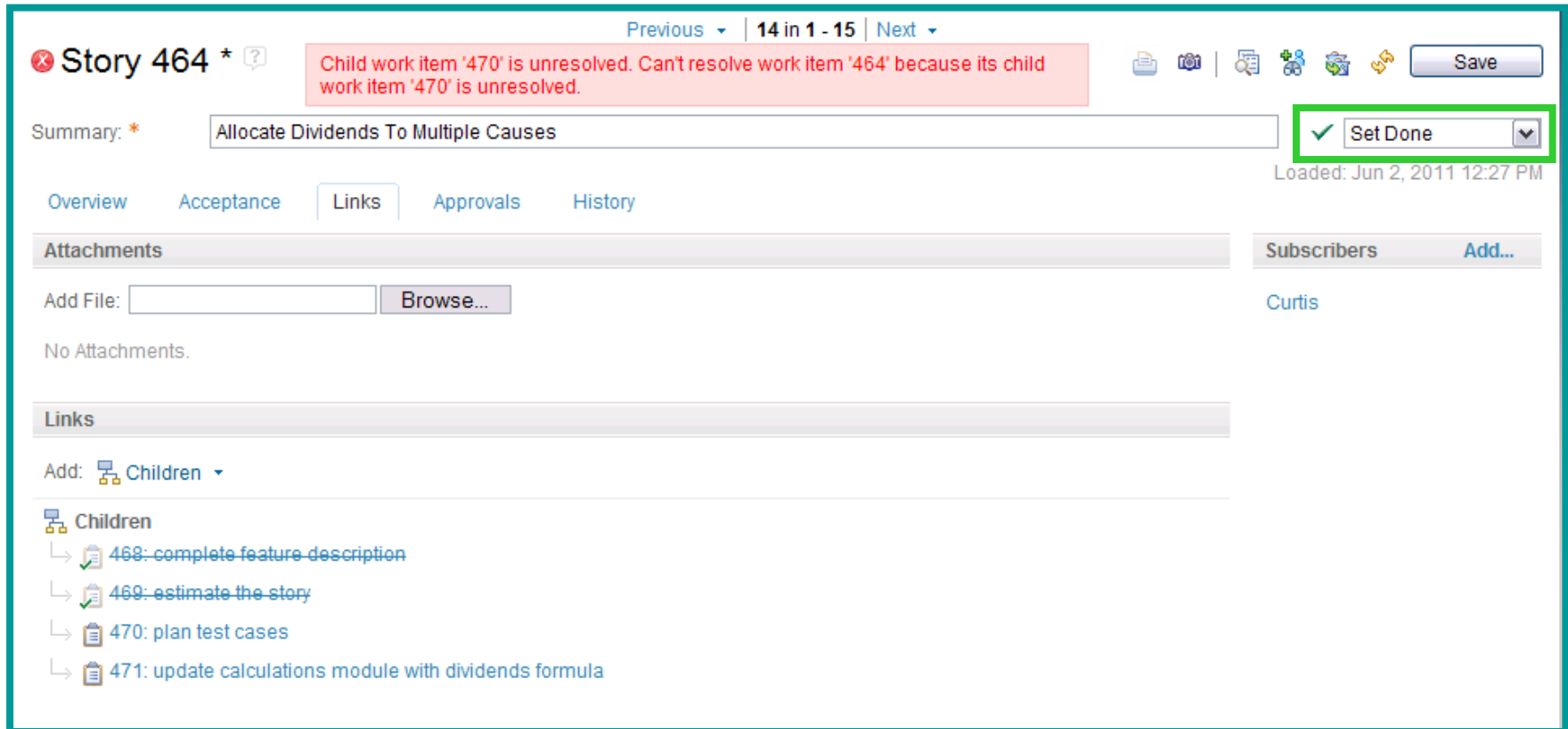
Require JUnit Test Run

Require Work Item Approval

Require Work items and Comments

OK Cancel

Plan tasks are not being completed before Story completed



Previous ▾ | 14 in 1 - 15 | Next ▾

Story 464 * ?

Child work item '470' is unresolved. Can't resolve work item '464' because its child work item '470' is unresolved.

Summary: * Allocate Dividends To Multiple Causes

Save

Loaded: Jun 2, 2011 12:27 PM

Overview Acceptance **Links** Approvals History

Attachments

Add File: Browse...

No Attachments.

Subscribers [Add...](#)

Curtis

Links

Add: Children ▾

Children

- [468: complete feature description](#)
- [469: estimate the story](#)
- [470: plan test cases](#)
- [471: update calculations module with dividends formula](#)

Test your Continuous Improvement capabilities

Can your team...

- Leverage out-of-the-box process templates for traditional and agile workflows?
- Change process “on the fly” as part of a continuous feedback loop?
- Allow team leads to determine how strict or lax the “rules of the road” should be?
- Modify process enforcement over the life of a project, to encourage early-stage experimentation and end-game stability?



Criteria for effective lifecycle management: ALM imperatives

1. Accelerate **time to delivery** with **Real-time Planning**
2. Improve **quality** with **Lifecycle Traceability**
3. Maximize **product value** with **In-Context Collaboration**
4. Refine **predictability** with **Development Intelligence**
5. Reduce **costs** with **Continuous Improvement**



Learn more at: <https://jazz.net/library/article/637>



1 Overview

2 IBM Rational Collaboration Lifecycle Management

3 Delivering the 5 ALM imperatives

4 Proven results

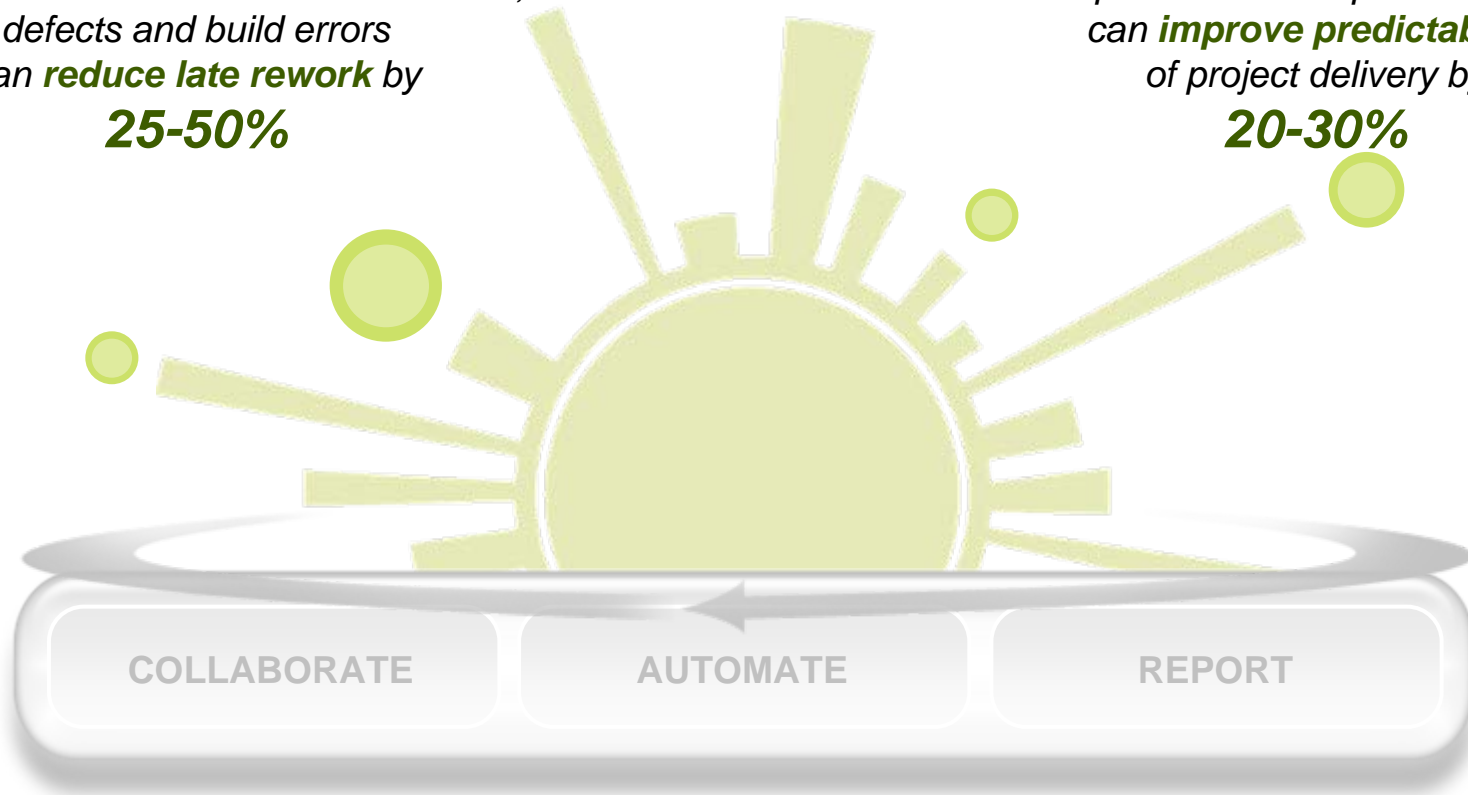
Business results

Automated status reporting
derived from evolving engineering artifacts
can **improve productivity** by

5-10%

Being able to collaborate on work items,
defects and build errors
can **reduce late rework** by
25-50%

Best practices in scope management
can **improve predictability**
of project delivery by
20-30%



Source: IBM analysis based on services research.

Ensure Success with Rational Collaborative Lifecycle Management

Measured improvement

Instructor-led Agile workshops

Deployment services

Online training courses

Product Adoption Quick starts

Rational Training and Certification courses

Process tailoring

Software support

Agile practices

Accelerated Value Program

Best Practices and methodology

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Bugs, source control, planning, reporting, and more

6

Jazz Team Blog

Rational Requirements Composer Beta 2a: A big step forward
By Daniel Moul Fri, 10 Dec 2010
The latest beta of Rational Requirements Composer (RRC) demonstrates significant progress in our plans to deliver requirements definition and management ... [More >](#)

What's New in Rational Team Concert 3.0: Part V - Work Item Enhancements
By Benjamin Pasero Fri, 03 Dec 2010
Rational Team Concert 3.0 is now available. Visit the RTC project page to learn more and get the highlights of ... [More >](#)

Rational Team Concert 3.0 released
By Rolf Nelson Tue, 23 Nov 2010
We are pleased to announce the availability of Rational Team Concert 3.0, and invite you to download it and enjoy ... [More >](#)

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Events

Webcast: CLM Powered by Jazz Series, Part 4: Requirements Management
18 Jan 2011 - Web

Webcast: CLM Powered by Jazz Series, Part 5: Collaborative Enterprise Development Powered by Jazz
15 Feb 2011 - Web

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- ✓ Submit defect and enhancement requests



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