

The Five Imperatives – An Application Lifecycle Management Energy Drink Boosts the Whole Team

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The Premier Event for Software and Systems Innovation





Realities can stall software-driven innovation Complexities in software delivery compounded by market pressures

Complex, Multi-platform Systems and Applications

62% of companies have agile projects requiring integration with legacy systems

Globally Distributed Software and Product Supply Chains

50% of outsourced projects are expected to under perform

Increasing Mandates

2010 Spending in U.S. on governance, risk and compliance was **\$29.8 billion**

Cost Reduction

70% budget locked in maintenance and37% of projects go over budget

Changing Requirements and Time to Market

30% of project costs are due to rework and poor execution of requirements



Unpredictability

in Software Delivery

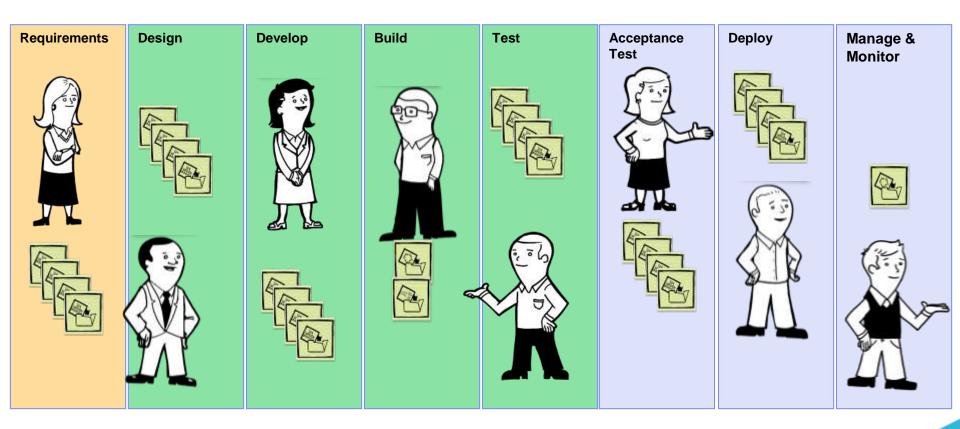
62% of projects fail to meet intended schedule



Anytime, for any team, silos inhibit software delivery productivity Decide People **Best practices .** Business Data **Tools** "At some point, you take a step back, and you realize you have an awful lot of siloed systems that are limiting transparency across strategic 00 Deploy projects.' Development Director Temenos, Inc. 2. Development 3. Operations Next A NOW!



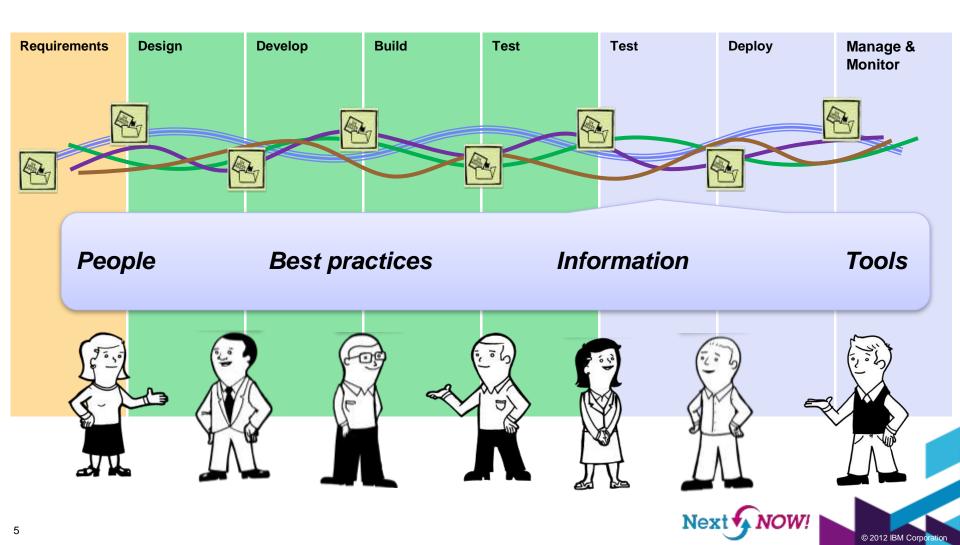
We're good at going deep in each discipline





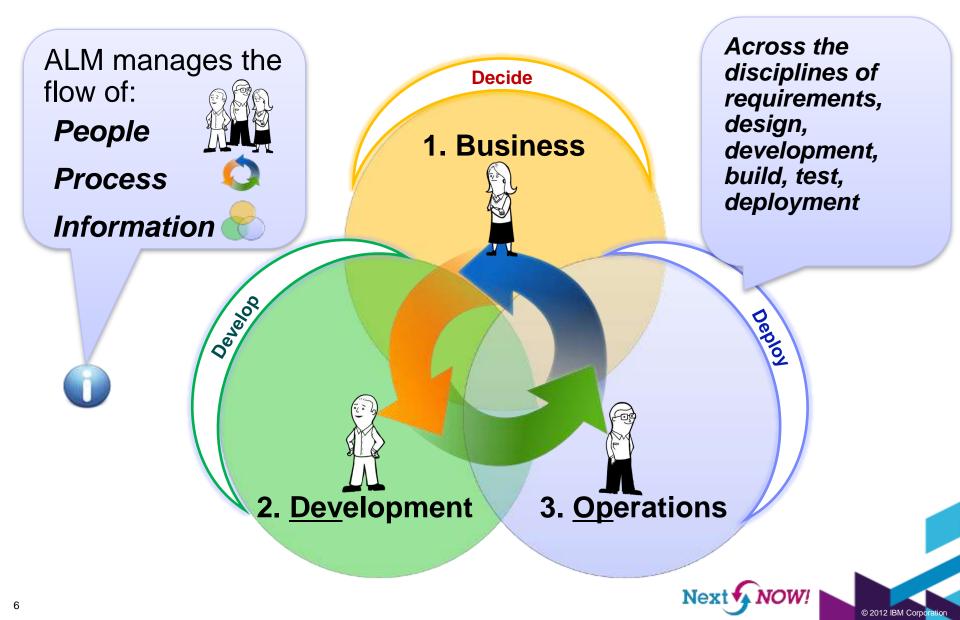


The challenge is coordinating across the disciplines...





Application Lifecycle Management can improve productivity



Collaboration challenges Can your team...



- ...find all the information related to a specific task?
- ...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?

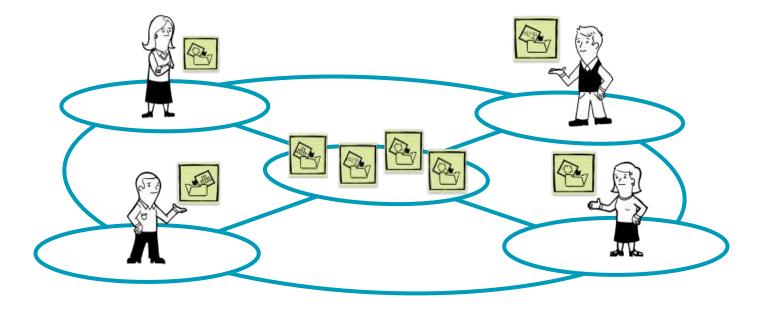


Next



In-Context Collaboration improves product value

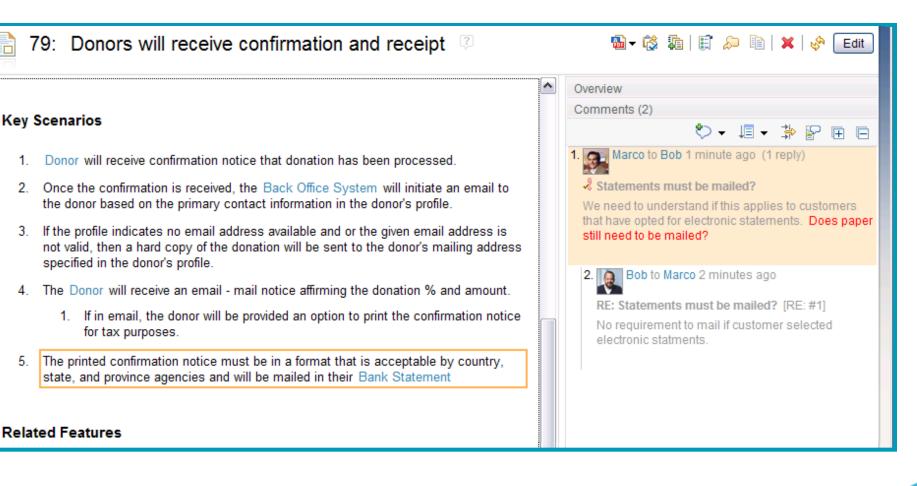
- Empower teams to collaborate on and review software development artifacts so they can incorporate feedback early and often, aligning delivery with stakeholders' vision
- Provide a single source of truth hosted in a shared repository so that team members can collaborate effectively around the globe to build a collective intelligence
- Make information <u>immediately</u> accessible to all team members in the context of their work







Comments on requirements' details are in-context



A click on the comment highlights the text under discussion.





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Formal reviews drive agreement & prevent re-work

 Reviews & approvals ensure artifacts are reviewed and/or approved by key team members and capture compliance requirements. 	Requirements	Approval Approval Approval Approval Distructions to reviewers List of requirements for our second spirit. All comme requirements as written.	15% completed 🛛 🔞 Pause Review 🔿 🗸 Ra
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18 : Dividend Allocation I Test Case Overview Snapshots Originator: Tanuj Overview Snapshots Description: Select a list of potential donations	History Inder Review	Task 41 * Summary * Implement - Frequency of dividend transfed Overview Links Approvals History Approvals (1) - 1 pending New: Approval -	5 (B) (C)
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Rich hover automates information access without having to click





Align planning across the business, development and test teams

Change and Configuration Management (/ccm) One of the <u>Client Access Licenses</u> expires in 57 days							
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One plan with multiple views Everyone sees meaningful data in the context of their work

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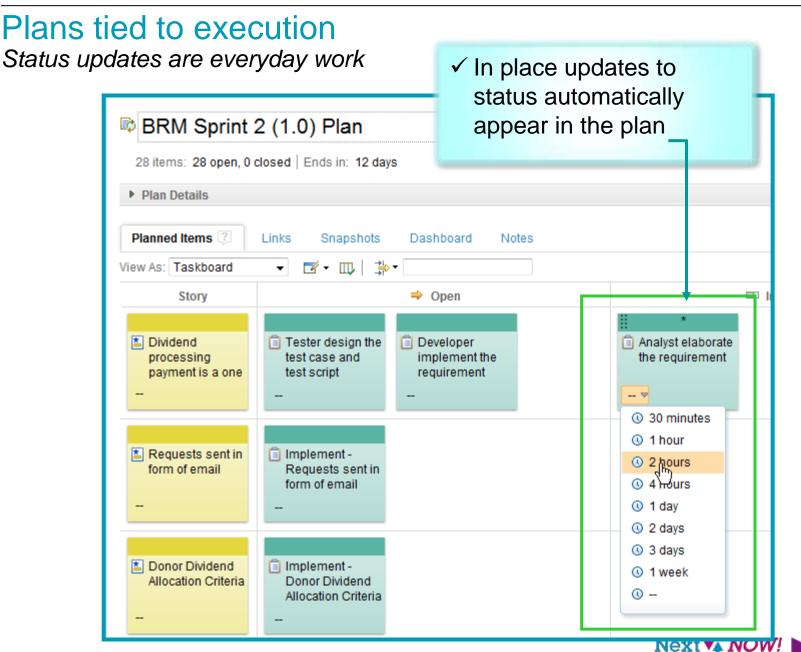
Plan at the right level of detail Everyone participates in planning

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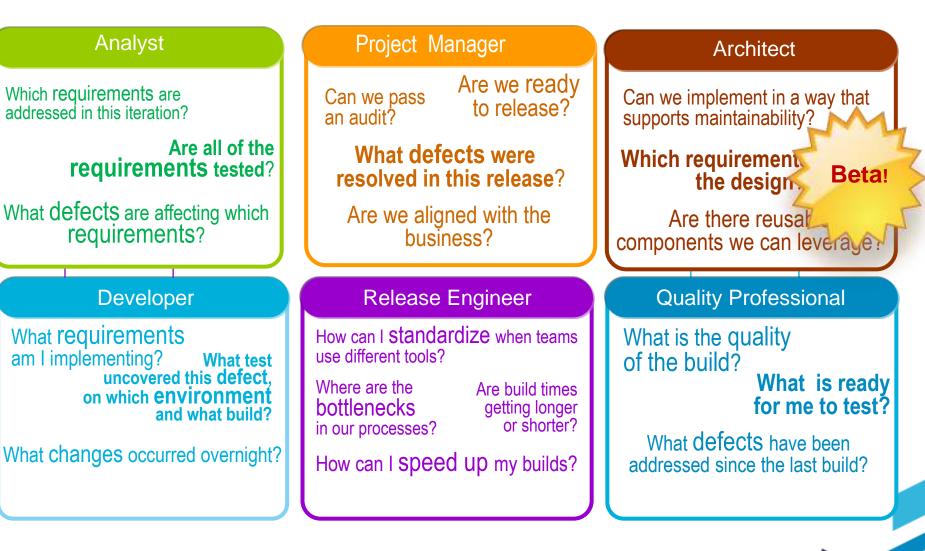




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Lifecycle Traceability challenges Can your team answer...

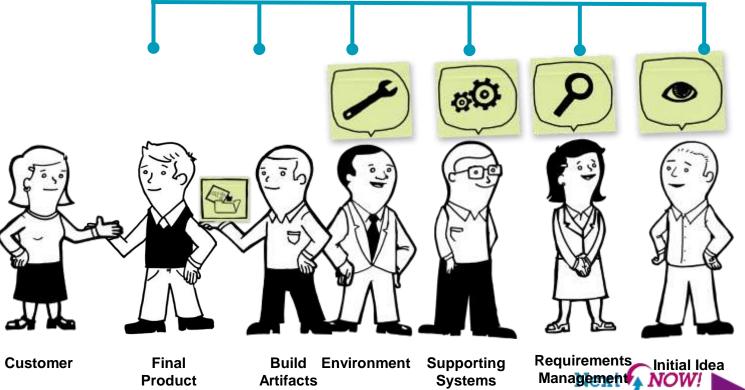




Lifecycle Traceability improves quality

- Establish relationships between software artifacts
- Identify and close artifact gaps, ensuring coverage across disciplines
- Provide visibility into the completeness of planned items by inspecting all related artifacts
- Provide easy access to related artifacts ensuring everyone shares the same view
- Deliver transparency which enables everyone to make fully informed decisions based business priorities

Instant access to details from any point in development process





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Team leads have visibility into coverage & completeness

- Proactively respond to gaps across all the silos as they surface throughout the project
- Issues are quickly highlighted and resolved

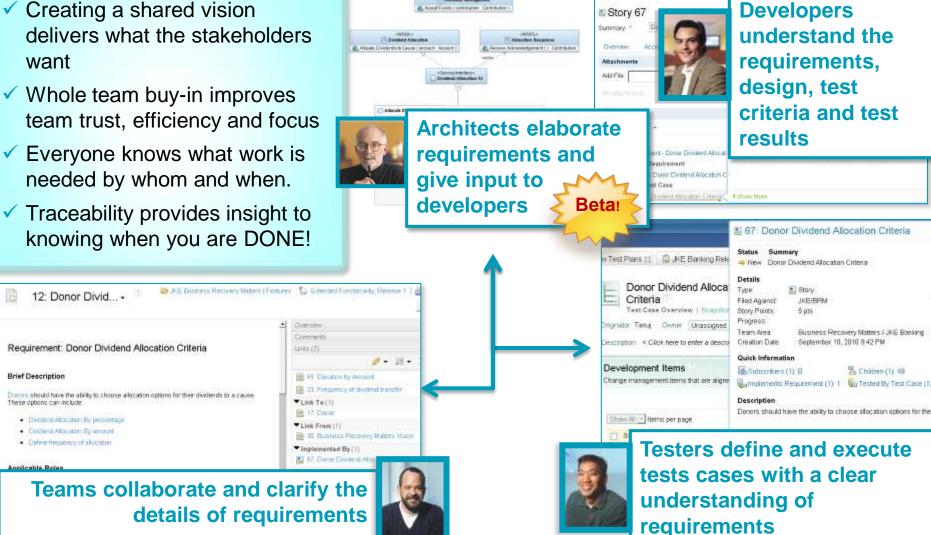
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Team leads can improve quality and predictability

ator Manager



Developers understand the requirements, design, test criteria and test

E Story

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Next A NOW!

JKE/BEM

Business Recovery Matters / JKE Banking

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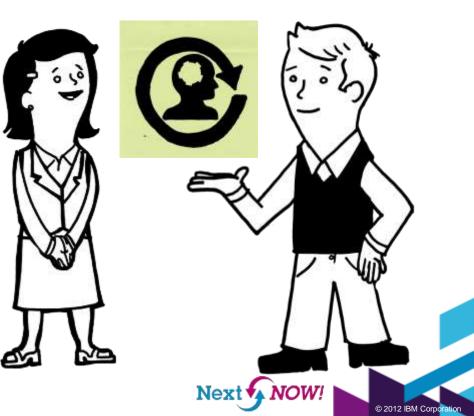
September 10, 2010 8:42 PM

Vall Baller

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Measuring and steering challenges Can your team...

- ...provide one view of project health at multiple levels?
- ...make steering decisions based on facts rather "guesstimates"?
- ...track desired improvements with metrics?
- ...minimize administrative overhead by relying on your environment to capture metrics?

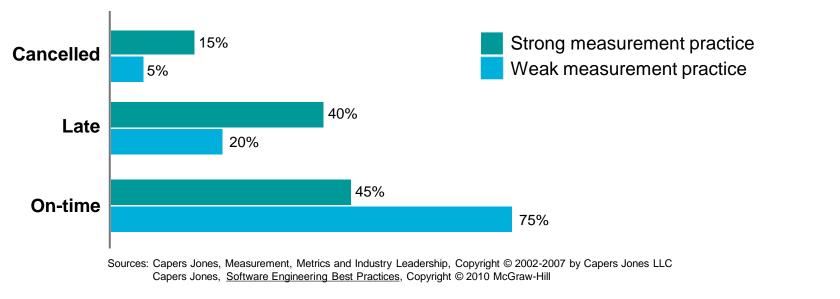






Development Intelligence improves predictability

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



Measurement Practices Impact Project Success





Product Value

JKE Banking (Change Management)* [2]

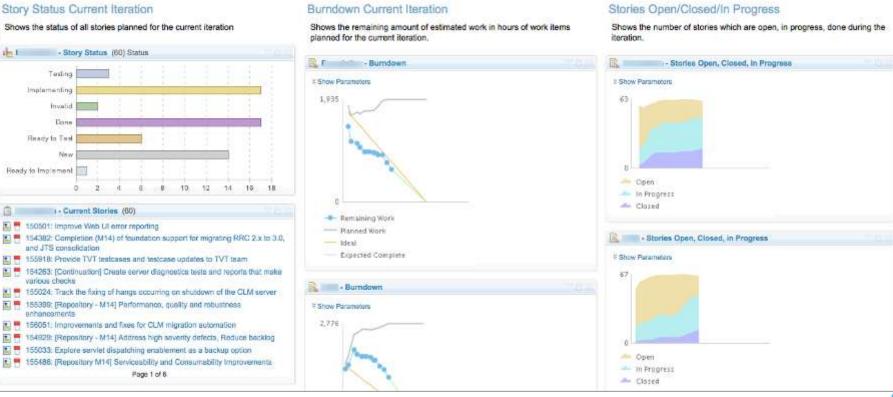
Time to Value (Schedule)

Overview -

Use dashboards to provide that one view of project health

Product Cost





Product Quality

Reports









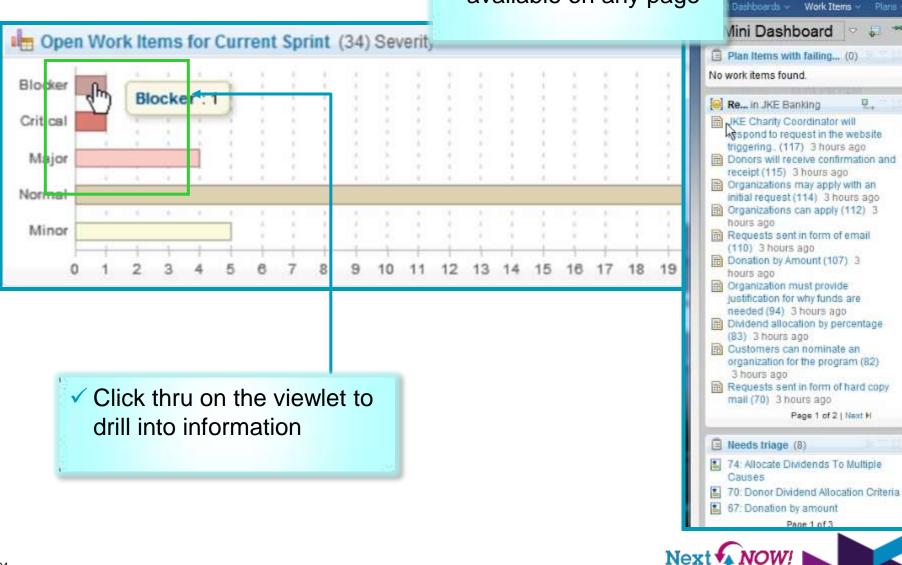


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💽 JKE Banking (Chan

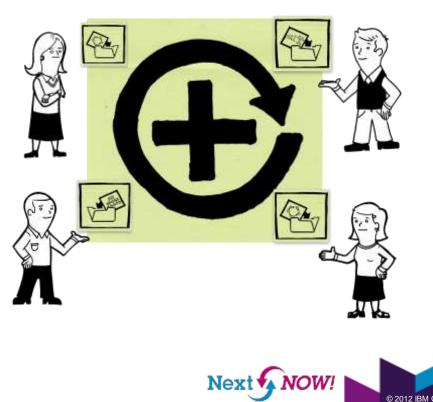
Dashboard details Easily answer steering questions

 Mini-dashboards: available on any page



Continuous improvement challenges Can your team...

- Indexerage out-of-the-box templates that support 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?







Continuous Improvement reduces cost

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







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

(4 comments)

I have some concerns about late-in-the-cycle of

Should've also mentioned that it's been hard to

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3. Deb Sep 1, 2011 1:42 PM

2 Tanul Sep 1, 2011 1:24 PM

Collapse All | Expand All 1 Tanui Sep 1, 2011 1:22 PM

Discussion

(etanuj - I don't think we've had a lot of disruptive changes at the end of the sprint. Let's talk about this more in depth at the meeting tomorrow. I do agree (etanuj that tracking down build status has been too hard.

4. Bob Sep 1, 2011 1:45 PM

In the meeting, I'd like us to discuss some issues where requirements were not well understood and that required some things to be reworked during this sprint(which may contribute to @tanu/s impressions in comment 1). Hopefully, as a team we can come up with some ideas on reducing this confusion.





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Templates Support breakthrough improvement

Rational Jazz Team Server (gvmW158.rati.avg.uame.ibm.com/9443/jp)

Lifecycle Project Administration

rojects Members Templates Sample

(A)

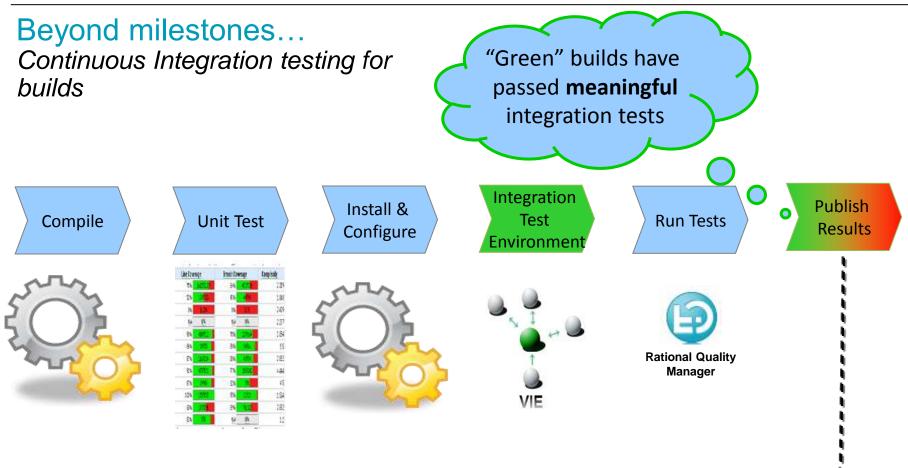
All Lifecycle Project Templates

Name Quality Professional, Analyst, Developer	Summary This template sets up associated project areas for qua management. The testers (in quality management) an	Use and reuse of project templates is an example of breakthrough
	change and configuration management) and quality m configuration management project. The change and co or Formal Project Management process template. The Case, Agile Requirements or Traditional Requirement	 Modify to match your organization's
Quality Professional, Developer - without Requirements	This temptate sets up associated project areas for cha management) work integrated with development (in c the change and configuration management project. Th Scrum, OpenUP or Formal Project Management proce and integrations will be used for this capability.	process
Quality Professional, Analyst	This template sets up associated project areas for quali requirements change requests are tracked in a separate use the Base, Use Case, Agile Requirements or Tradition assuming that other tools and integrations will be used	e project area. The requirements management proje nal Requirements project template. Capabilities for
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Nightly build is not **published** until integration tests run.





Five Imperatives for <u>Effective</u> Application Lifecycle Management to improve organizational productivity



Maximize product value with In-Context Collaboration



Accelerate time to delivery with Real-Time Planning



Improve <u>quality</u> with Lifecycle Traceability



Achieve predictability with **Development Intelligence**



Reduce <u>costs</u> with **Continuous Improvement**

Learn more at <u>ALM Everywhere</u>





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Get Started! Collaborative Lifecycle Management



Try it out at jazz.net!

1 Download RTC, RRC or RQM for CLM

https://jazz.net/downloads/rational-team-concert/

Sample scenarios for CLM

https://jazz.net/wiki/bin/view/Main/MTM_Lifecycle_Welcome

Track our progress at jazz.net!

We openly develop our software with our own tools! <u>https://jazz.net/projects/clm/</u>

Interactive White Board



Short, simple way to share the 5 ALM imperatives ibm.co/alm-everywhere

Role-based Demo



VP of Development, a Business Analyst or Project Owner, Agile Team Lead, Developer and Test Lead.

bit.ly/jazzGLMdemo Next NOW!





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