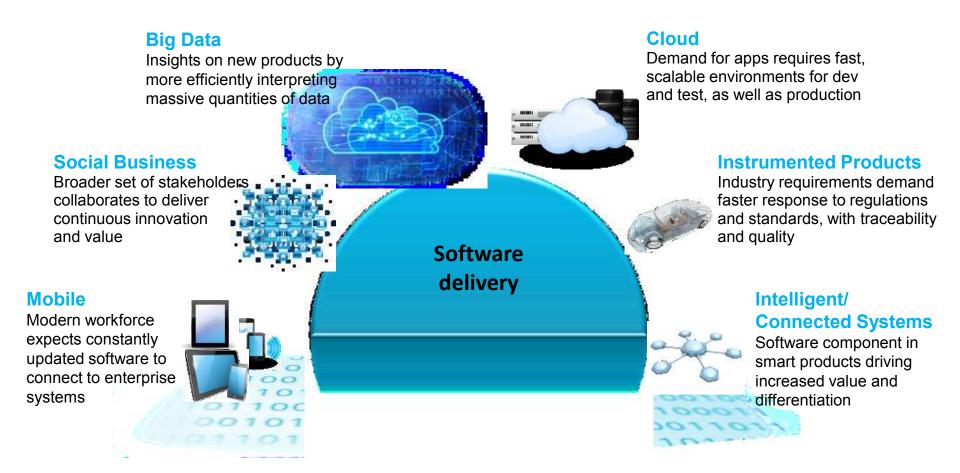


DevOps: enterprise capabilities for continuous software delivery

Daniel Berg
Chief Architect, DevOps Tools and Strategy
@dancberg



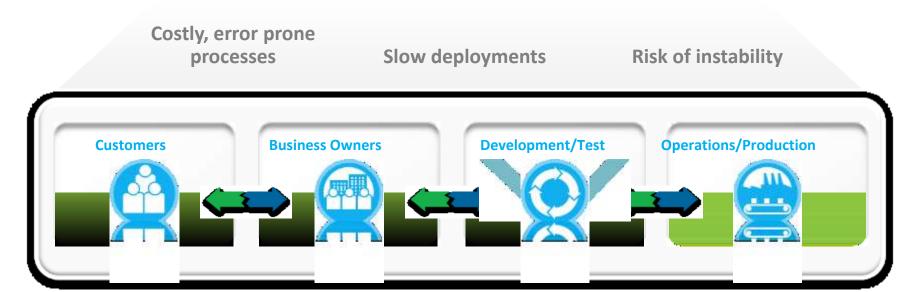
Software delivery is at the heart of today's top technology trends





Success requires the ability to manage the software delivery lifecycle

Challenges





Organizations that effectively leverage software innovation outperform their competitors... yet few are able to deliver it effectively





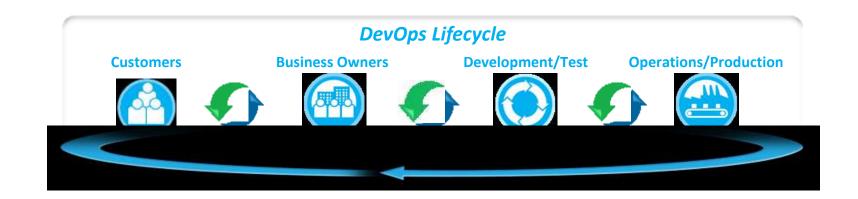


Source: "The Software Edge: How effective software development drives competitive advantage," IBM Institute of Business Value, March 2013



Embrace a DevOps Approach

An enterprise capability for continuous software delivery that enables clients to seize market opportunities and reduce time to customer feedback

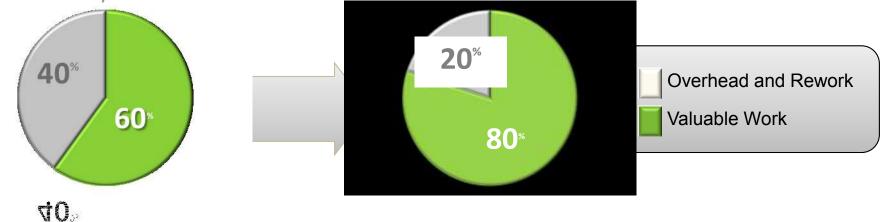




Removing Waste

DevOps shares ideas with Lean such as the removal of waste from

business processes



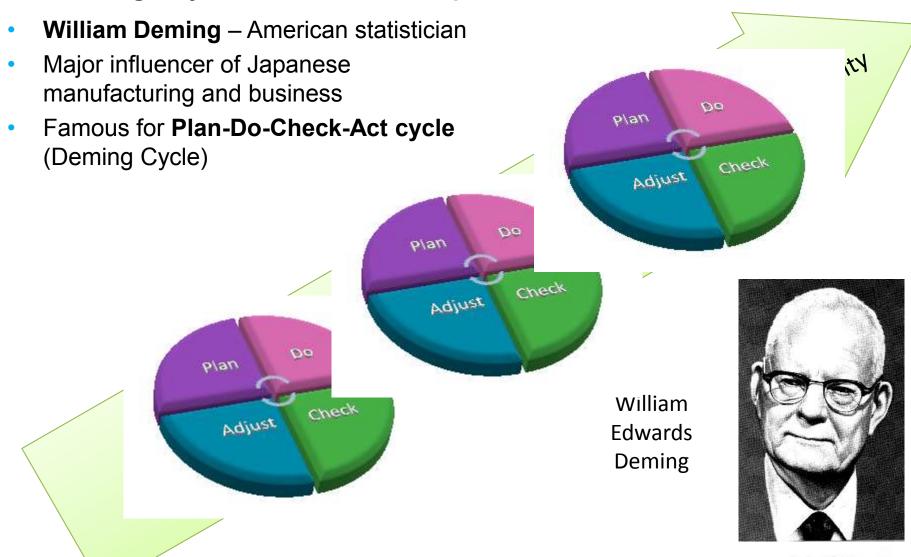
- Waste of overproduction
- Waste of time and resources waiting
- Waste of processes themselves (overhead)
- Waste of poor quality products



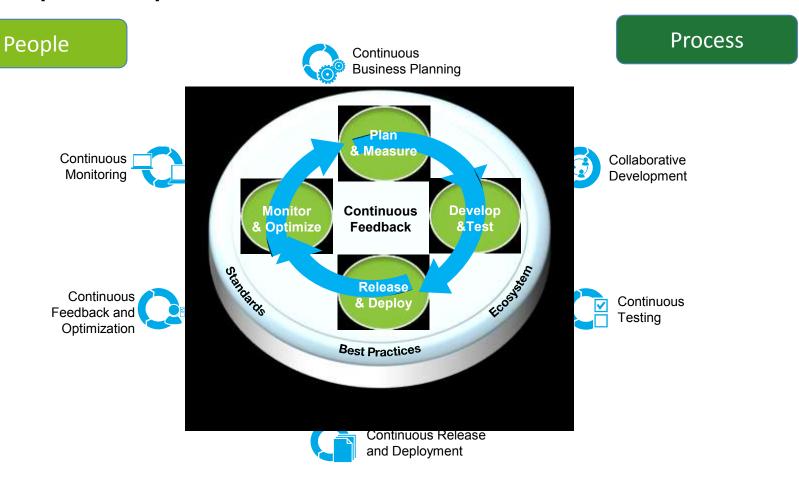


Deming Cycles and DevOps

Innovate2 The IBM Technical Summit



DevOps Adoption Paths

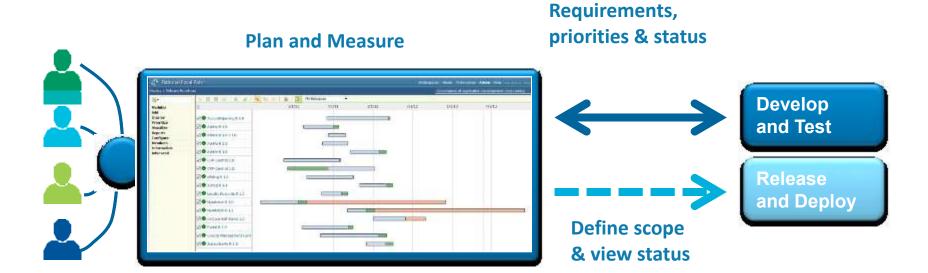


Technology



Continuous Business Planning









Continuous Business Planning

Make more insightful business decisions with improved dashboard and integration capabilities

Synchronized planning and execution

- New scorecard to govern alignment of software execution against business decisions
- Improved visualization, management and Import/Export support for linked data
- Updated "Tips and Tracing" widgets to assist practitioners' productivity

Project impact and downstream visibility

 Improved traceability relationships between requirements, test, and development artifacts







Collaborative Development







Collaborative Development

Foster productive collaboration with deeper lifecycle integrations

Insight and collaboration across tools

- New Rational Configuration Management bundle
- Enhanced Lifecycle Integration Adapters for HP ALM/Quality Center, JIRA, Git and CA Clarity

Accelerate delivery

- Updated "Welcome" and "Tips and Tracing" widgets improve practitioners' productivity
- New configurable headings and "1-click" to copy work items from Web UI / Visual Studio
- Lightweight design in Rational Software Architect
 Design Manager Web UI

Keep agile projects on track

- Advanced Release Burndown report projects and tracks the "ideal" line in Rational Team Concert
- Compliant eSignature and test result audit support



IBM Rational Configuration Management
IBM Rational Lifecycle Integration Adapters
IBM Rational solution for Collaborative Lifecycle
Management:

What's New

IBM Rational Team Concert
IBM Rational Requirements Composer
IBM Rational Quality Manager

IBM Rational Software Architect Design Manager





Collaborative Development – JazzHub

"No hassle" collaborative development capabilities on the cloud for continuous delivery

Free in 2013

 Enable the team to achieve collaborative development now!

Easily enable stakeholders

- From plan to delivery of better software and systems in the context of daily work
- Code in the cloud with your choice of IDE,
 Eclipse, Visual Studio or built-in editor
- Runs on SoftLayer Infrastructure

Easily fork projects

 From where teams may already be working already – like GitHub

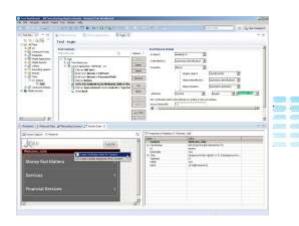


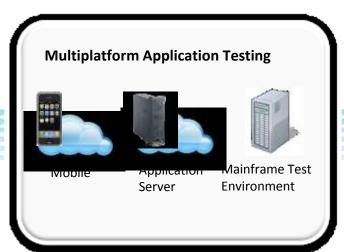


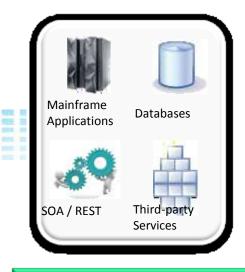




Continuous Testing







Comprehensive test automation solution

Multichannel, multi-tiered test execution

Virtualized services remove test bottlenecks





Continuous Testing

Enhanced integrations and capabilities to synchronize software testing with deployment and operations

Streamlined application delivery and monitoring

- Integration between IBM Rational Test Workbench and IBM UrbanCode Deploy to automate the provisioning of virtual components
- Integration with Smart Cloud Application Performance Monitoring to better identify and resolve performance issues

Expanded platform support for end-to-end testing, including mobile and mainframe

- Support for Dojo Mobile, web apps, cross platform Worklight hybrid tests
- Support for Parallel Sysplex and zEnterprise EC12, increasing test coverage of mainframe applications



IBM Rational Test Virtualization
Server
IBM Rational Quality Manager
IBM Rational Development and Test
Environment for System z



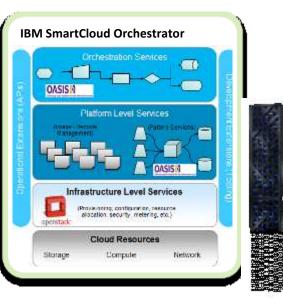
New





Continuous Release and Deployment











Continuous Release and Deployment

Greater delivery speed and frequency for complex applications

Simplified deployment automation of mobile and cloud applications

- New automated deployment directly to the Worklight Console and Application Center
- Continuously provision environments and deploy applications to virtualized environments

Making deployment an integrated part of the DevOps lifecycle

- New and improved integrations
 - IBM Rational Team Concert
 - IBM Rational Test Workbench
 - IBM Rational Test Virtualization Server
 - IBM Rational Asset Manager
 - IBM Rational Quality Manager



IBM UrbanCode Deploy
IBM UrbanCode Release
IBM SmartCloud Orchestrator
SoftLayer an IBM Company

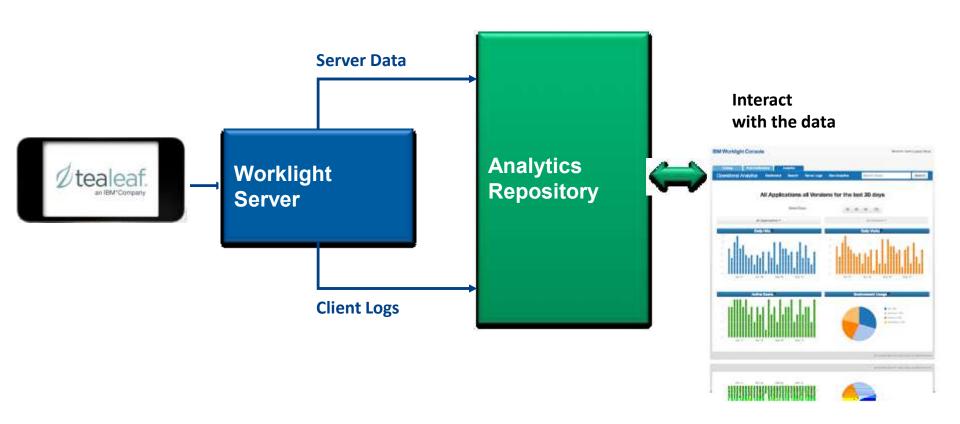
What's New





Continuous Feedback and Optimization

Collect, compress and stream important information

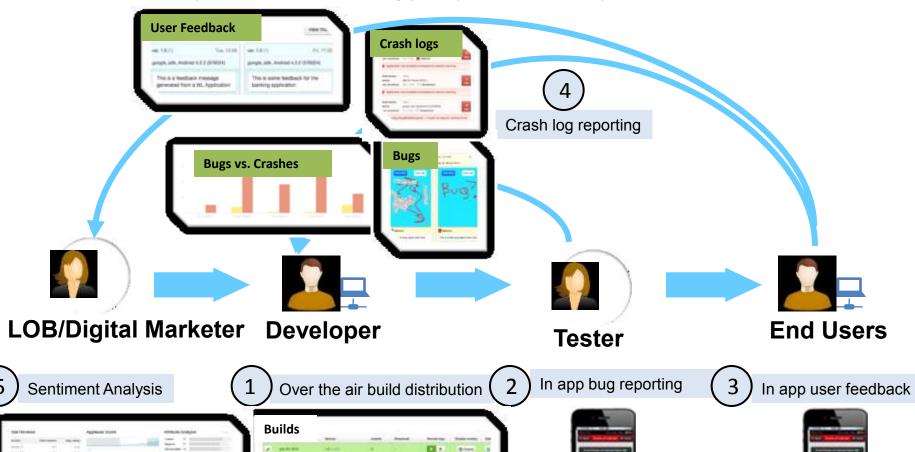




Smarter Mobile Quality Assessment

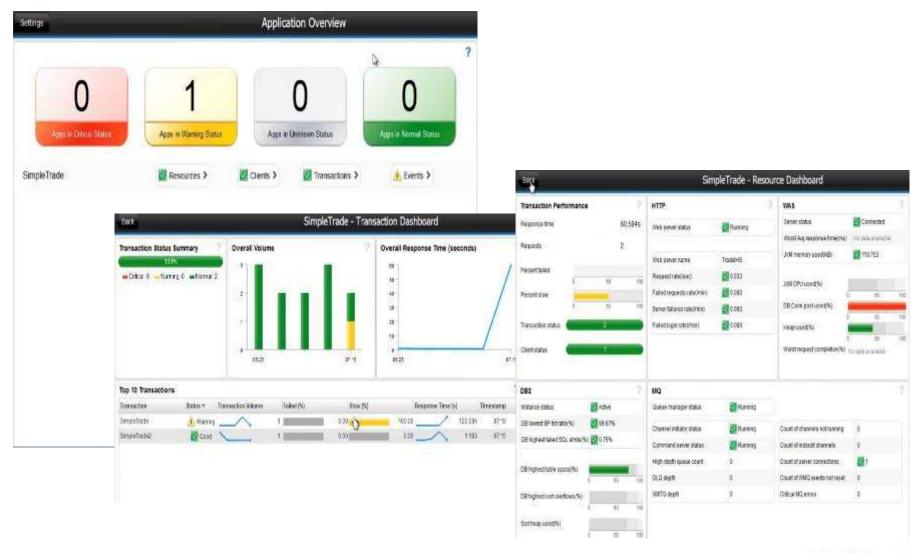
IBM Mobile Quality Assurance services (beta)

Addresses five key use cases, attacking pain points for all key users



Monitor & Optimize

Continuous Monitoring







Continuous Monitoring

New Mobile capabilities to improve service quality by monitoring application performance

Usability, performance, integration

- New for monitoring and mobility, simplified user experience, greater technical domain coverage
- Updated release exposes mobile app performance issues before they impact end users and ensures performance and availability of the entire IBM Worklight mobile application platform infrastructure
- New integrations of IBM Tealeaf qualitative insight of user interactions, with IBM WebSphere Commerce and IBM Worklight

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IBM Tealeaf CX

IBM Tealeaf CX Mobile

IBM Tealeaf cxImpact

IBM Mobile Quality Assurance (4Q13 beta)

IBM SmartCloud Monitoring – Application Insight

IBM Application Performance Diagnostics



What's

New

The IBM DevOps Approach





Differentiated and engaging customer experiences

Quicker time to value

Increased capacity to innovate



Thank You





Innovate2013

The IBM Technical Summit