



proudly present:

Mobile Cloud Architectures

What will YOU make with Mobile this year?

Sal Vella

Vice President, Product Development and Support

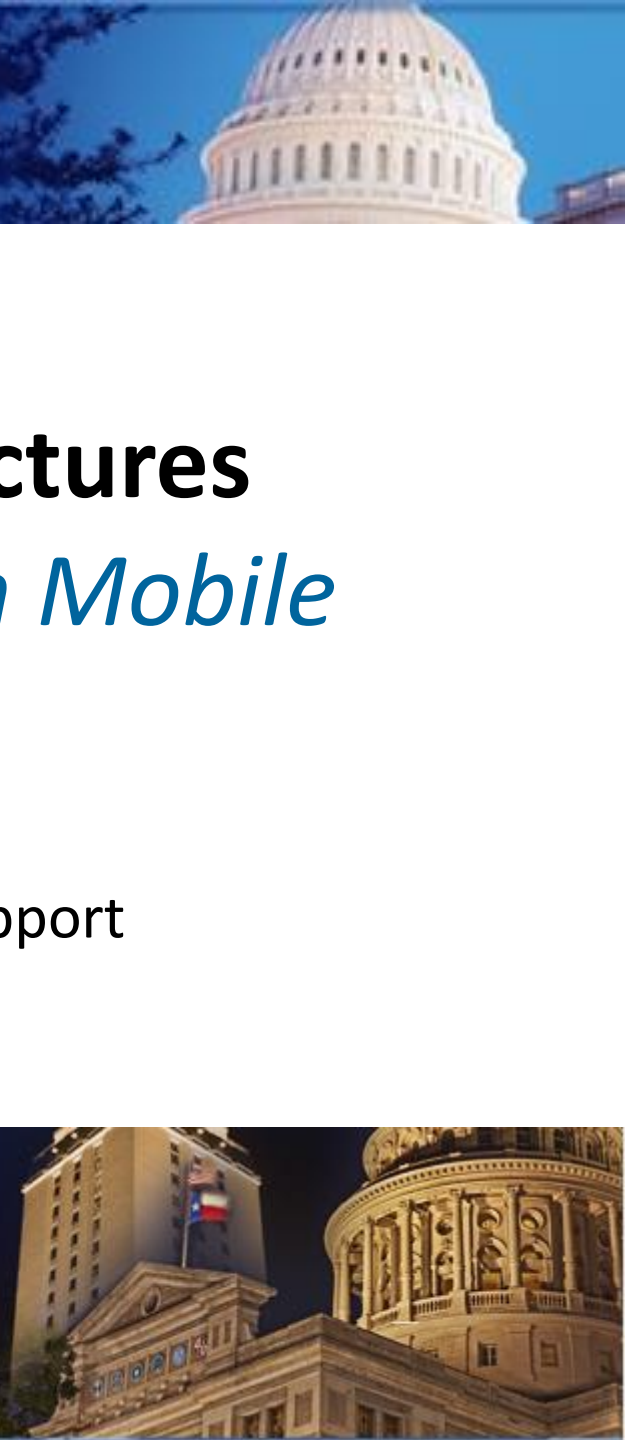
IBM Rational Software

CLOUDDEVELOPERS

Mobile, Big Data & Service Models:
Critical Take-Aways for Cloud Developers

SUMMIT & EXPO 2014

OCTOBER 1 - 2, 2014 | HILTON AUSTIN, AUSTIN, TEXAS



SYNCHRONY SYSTEMS

RAPIDLY DEPLOYING BART APPLICATION

USING IBM BLUEMIX PLATFORM

Delivering mobile innovation is very different

- ⇒ Mobile apps are different
- ⇒ Management is different
- ⇒ Development is different
- ⇒ Security is different



Delivering for mobile is different from the web

Web	Mobile
Monolithic apps	Many task-oriented apps
Mouse & keyboard driven	Multiple sensors driven (touch, camera, GPS, etc.)
Least common denominator browser approach	Many different endpoint combinations (type, OS, screen sizes, etc.); user experience highly tailored to the device
Centralized server execution	De-centralized intelligent endpoints
Centralized code distribution & controlled rollout	Loss of control over distribution (e.g., app stores) and environment (e.g., client OS versions)
Trusted execution behind the firewall	Code runs in an environment outside of the enterprise's control (consumers, BYOD)
Always connected	Many times offline or limited bandwidth
Optimized remote load	Optimized local responsiveness
Static context	Context (e.g., location, speed of travel) varies and is being exploited to create new experiences

The mobile reality: improving our approach

Efficiency

Continuous Delivery

Effectiveness

Continuous Feedback

Achieved through
leaner processes,
people and
platforms.

Requires prioritized
decisions based on
continuous
feedback and
better analytics.

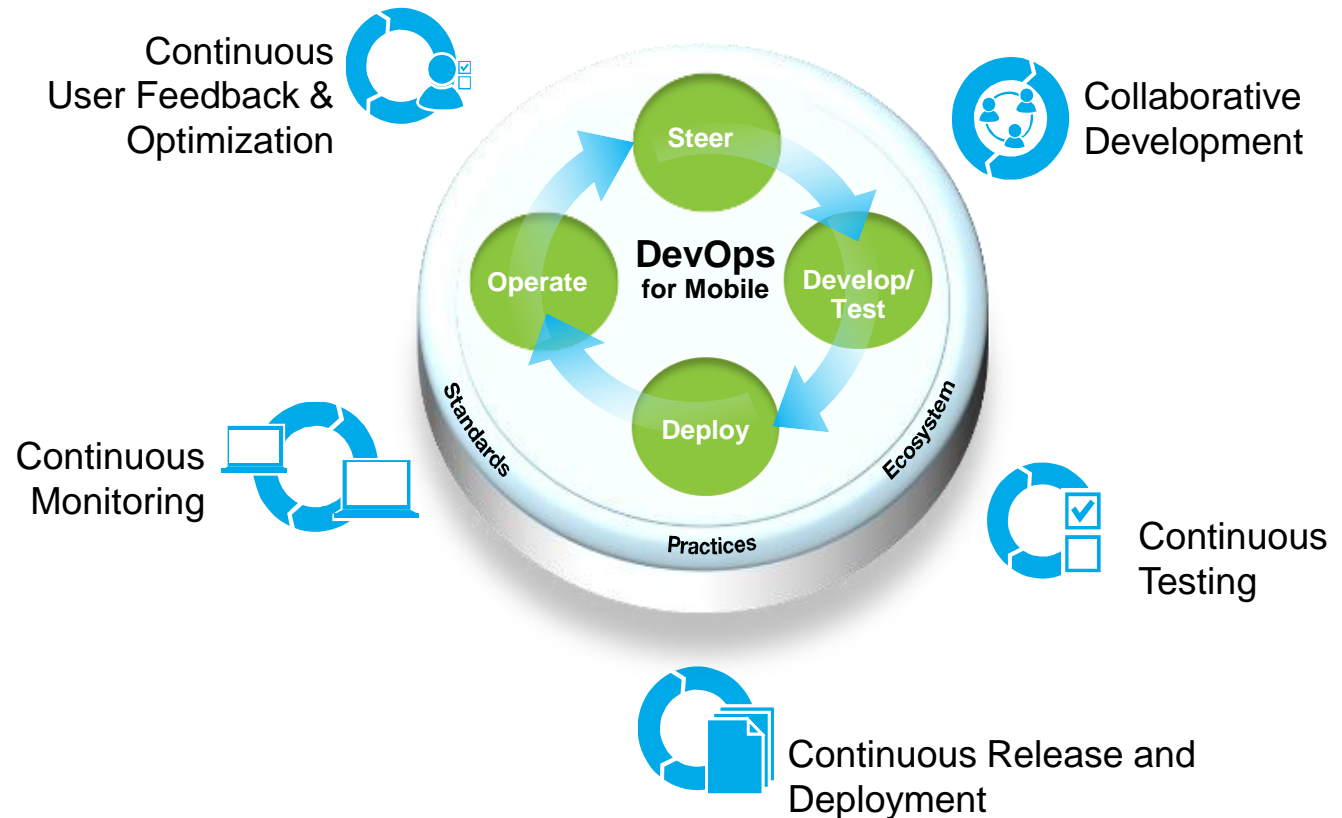
IBM DevOps point of view for mobile

Enterprise capability to improve efficiency and effectiveness

Accelerate software delivery – for faster time to value

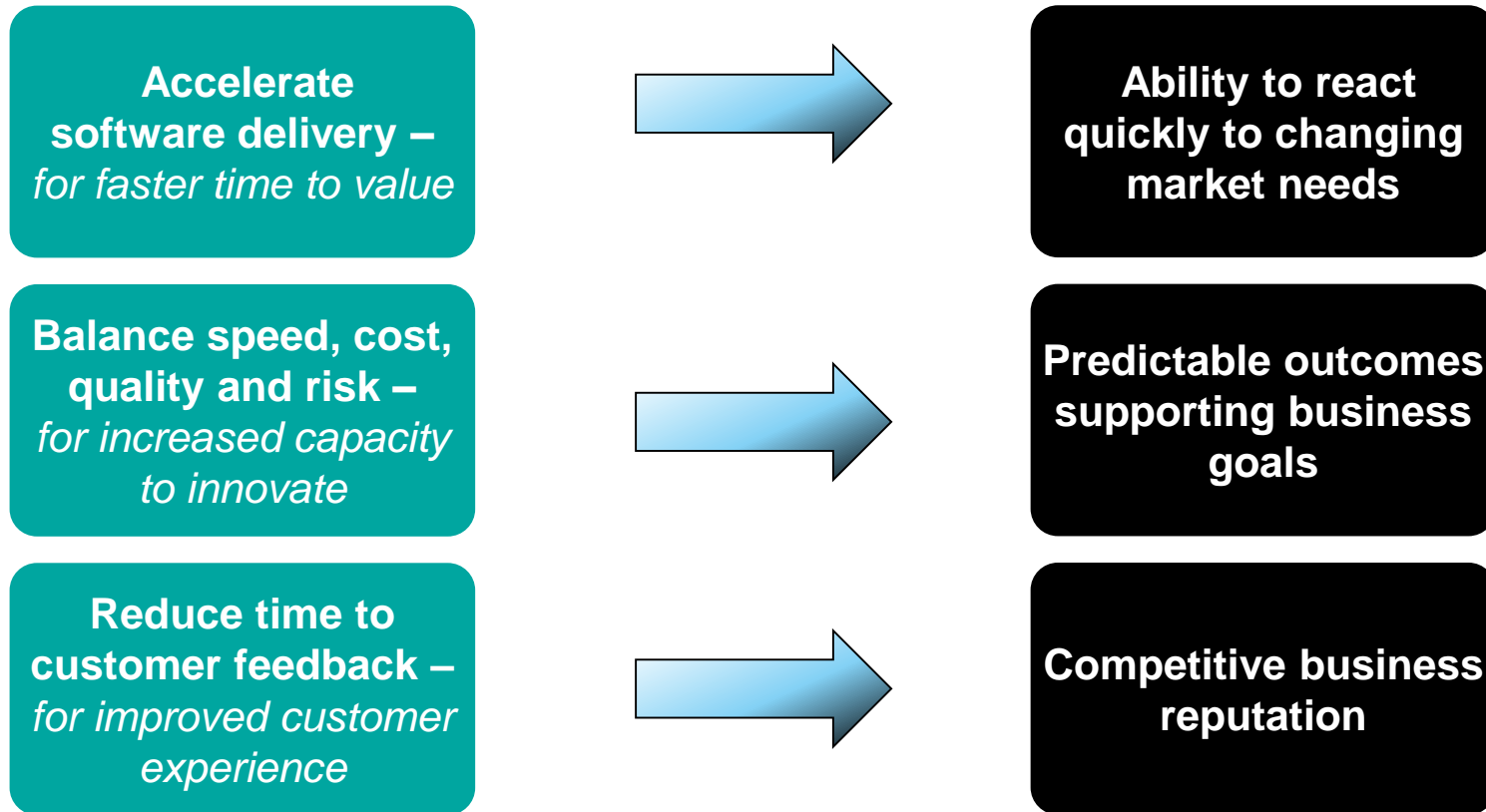
Balance speed, cost, quality and risk – for increased capacity to innovate

Reduce time to customer feedback – for improved customer experience



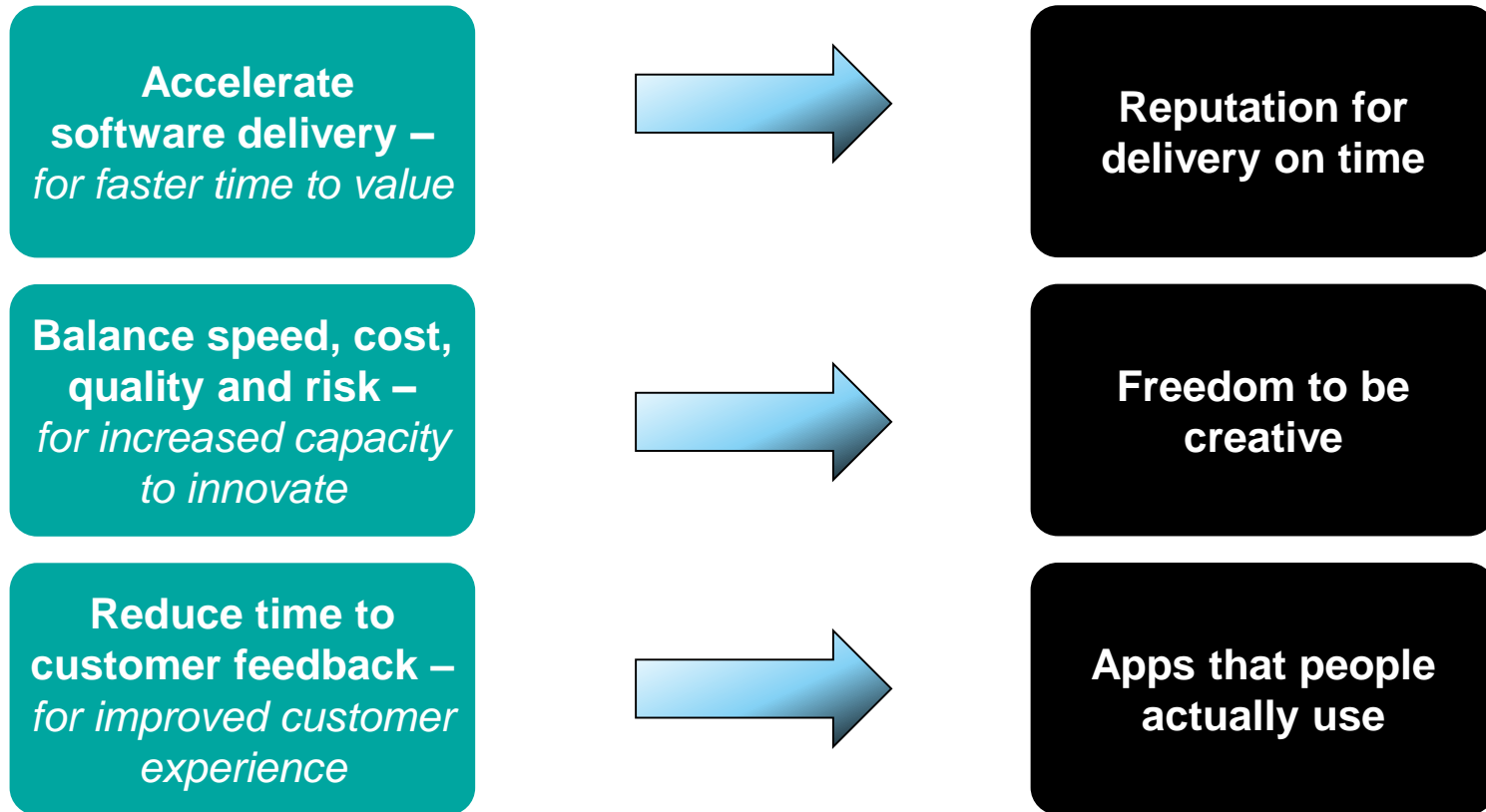
DevOps for mobile

Line of Business Exec: what's in it for YOU?



DevOps for mobile

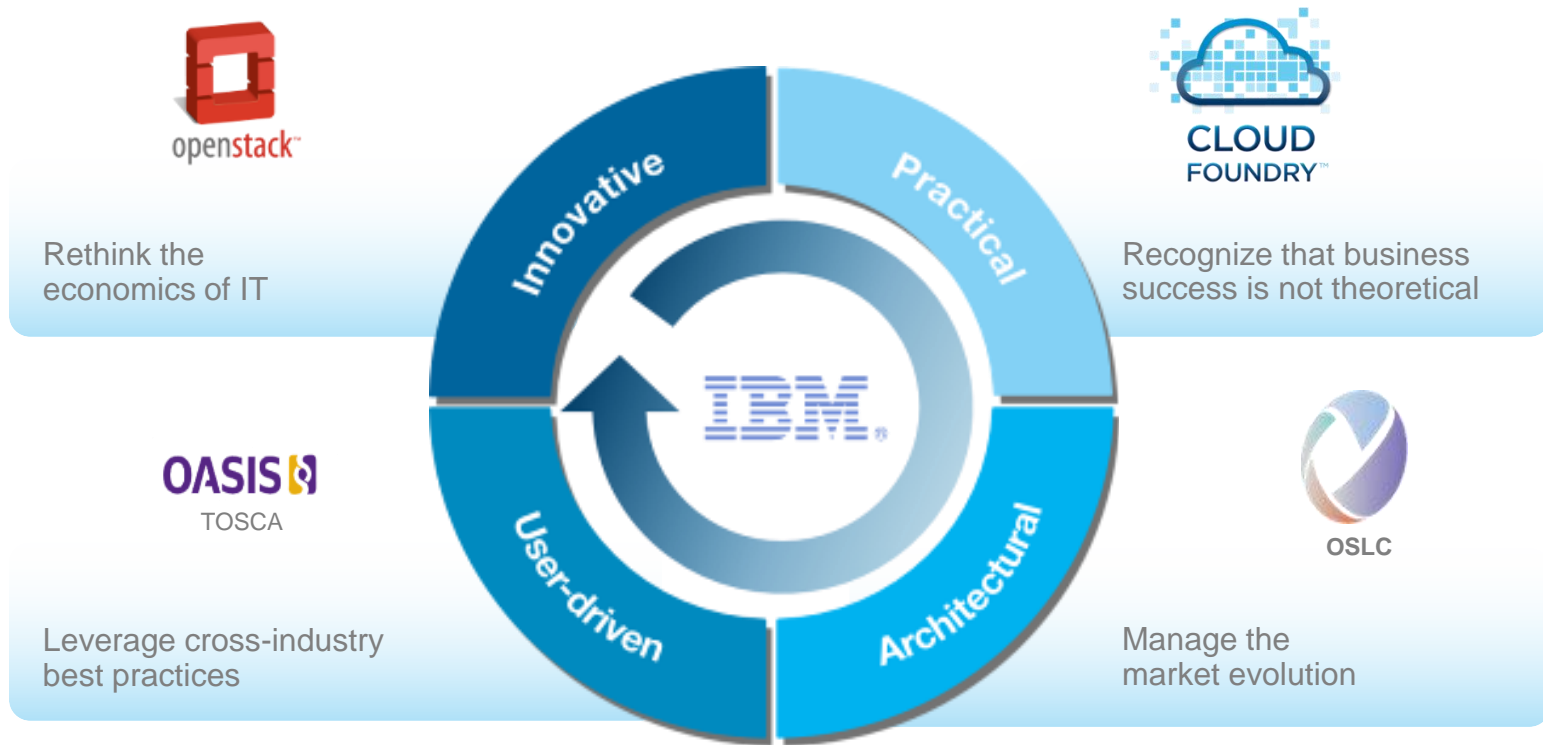
Developer: what's in it for YOU?



IBM's Approach to Cloud is Open

Open Standards Reduce the Cost and Risk of Cloud Adoption

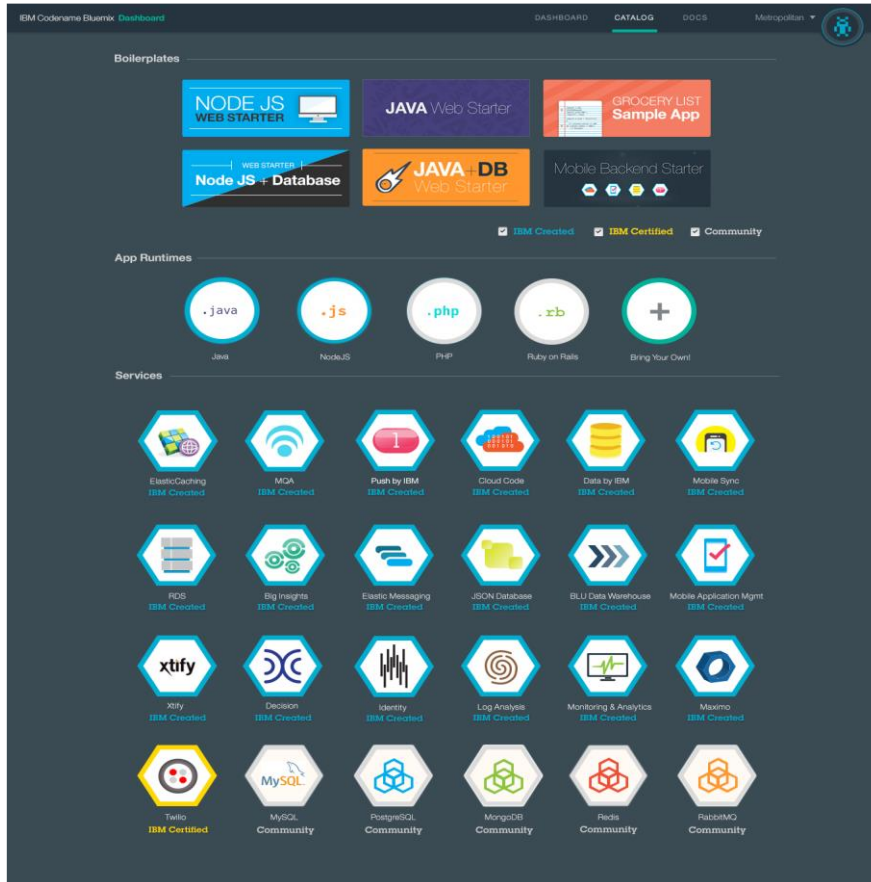
Standards-based. Flexible. Customer-driven.



<http://www.ibm.com/cloud-computing/us/en/>

Introducing IBM BlueMix

A rich set of mobile ready capabilities and APIs to can mix and match



API Catalog

A catalog of developer friendly APIs (IBM & third party) with mobile SDKs, that can be composed into new and existing mobile apps. Configure and manage through the BlueMix portal.

Run Code

The developer can chose from multiple language runtimes or bring their own. Just upload your code and go.

Store Data

The developer can store data in the cloud as a service easily without needing to administer the databases.

Cloud Integration

Build hybrid environments. Connect to on-premises systems of record plus other public and private clouds. Expose your own APIs to your developers.

Built on IBM SoftLayer

Runs on top of IBM's leading infrastructure as a service.

Categories



IBM DevOps Services for Cloud

Open, integrated rapid development experience that scales

Git hosting

Store and manage the code for your application in the hosted Git repo.

Integrated Development Environment

Use built-in Web IDE, Eclipse, Visual Studio or leverage your tool of choice.

Agile planning & tracking, team collaboration

Easily share work and collaborate with team members.

Mobile quality

Improve mobile app quality through crash analytics, sentiment analysis, and feedback.

Continuous Integration

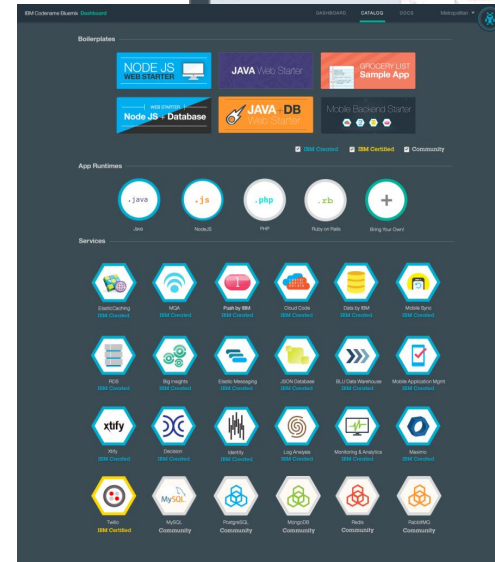
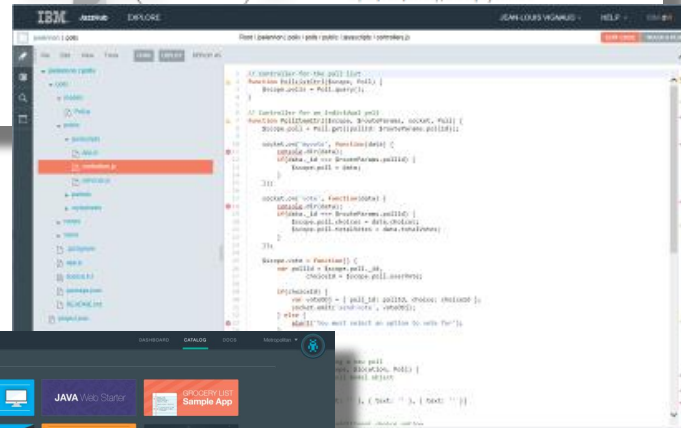
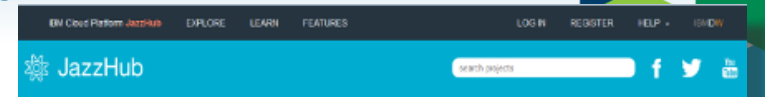
Continuously build, scan, and test code to improve quality and increase speed of delivery.

Deployment automation

Instantly deploy your applications.

Performance monitoring

Identify the early occurrence and root cause of performance issues, not just the symptoms, throughout the application lifecycle. Conduct code level diagnostics to identify bottlenecks and optimize application performance.



China Railways Corporation

scale made with mobile

Goal:

Shift **20 million online** users to mobile

Solution:

A scalable, security-rich **mobile app**



Cool Factor

Before

After

Scale



servers allocated for peak holiday traffic



servers to start the season

Security



app authenticity capabilities

Speed



native app: costly and cumbersome



one codebase: fast and easy

Visit us!

1

8:45 AM Oct 2: IBM Bluemix: Build, Deploy and Test a Mobile App in the Cloud – IBM Workshop - Leigh Williamson, IBM Distinguished Engineer, Mobile Software Development Strategy, Rational Software, **IBM**

2

Visit the IBM Booth!

3

BART Demo: <http://youtu.be/RH2g7MEbnlk?t=26m52s>