

Getting to the DevOps promised land with IBM's Continuous Release and Deployment

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IBM DevOps =
Culture + Process + Tools

- Develop collaboratively
- Deliver faster
- Drive down cost
- Reduce risk

Introductions and Agenda

- Overview
- Context
- Demo





IBM DevOps

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

People

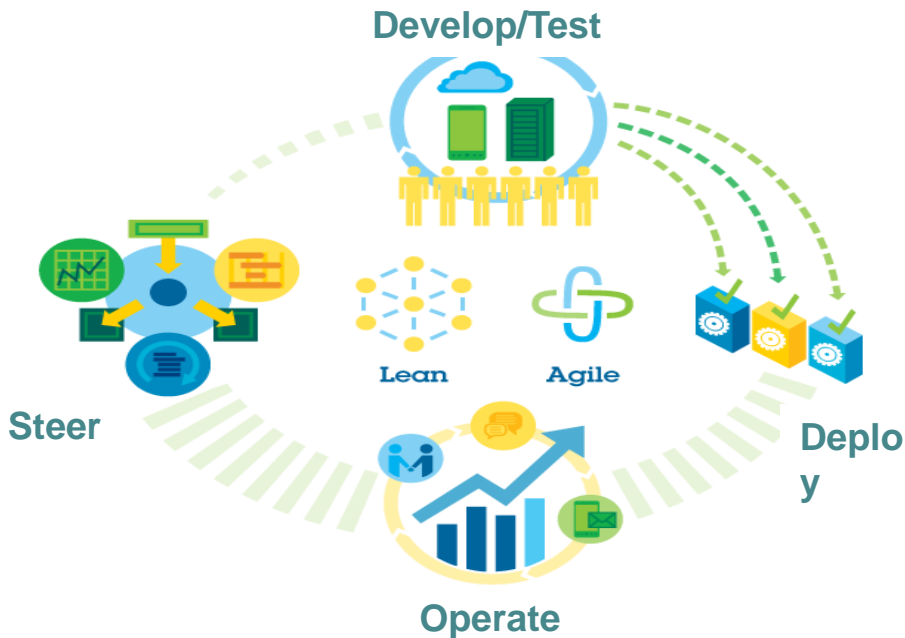
Process

Technology

Accelerate software delivery

Balance speed, cost, quality and risk

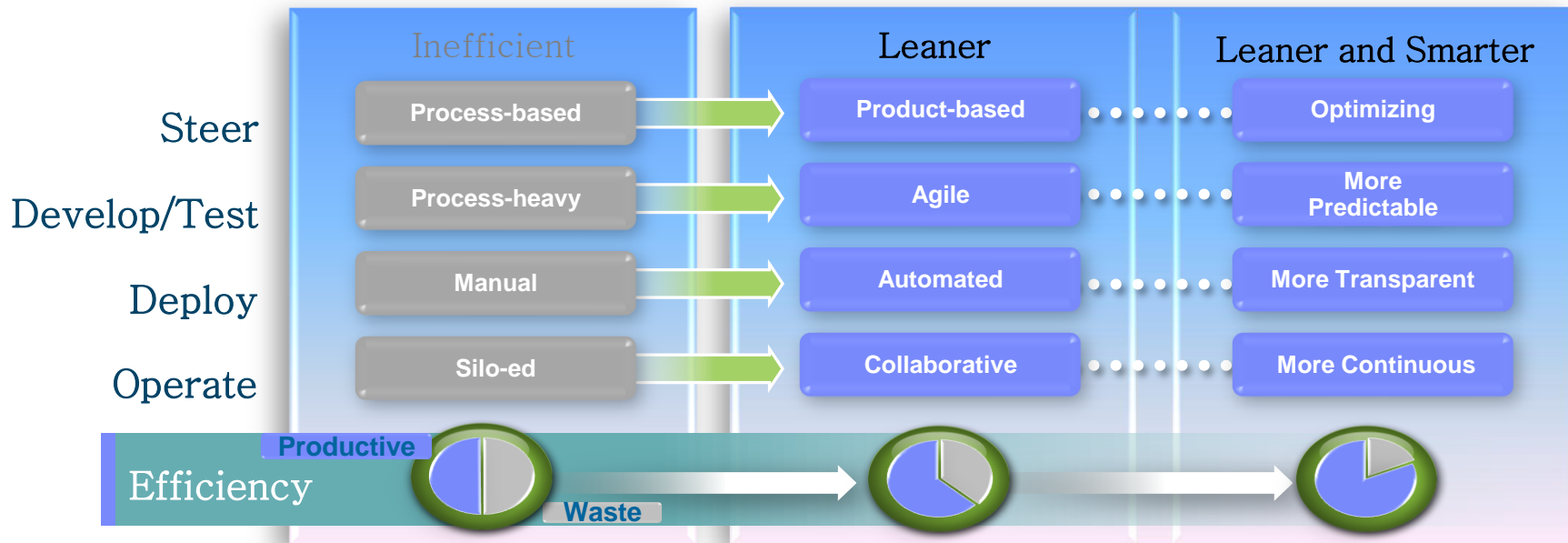
Reduce time to customer feedback





DevOps Adoption Model

New practices, tools and services to plan and execute a staged adoption of DevOps practices to improve business outcomes



<http://ibm.biz/devops-lean-assessment>

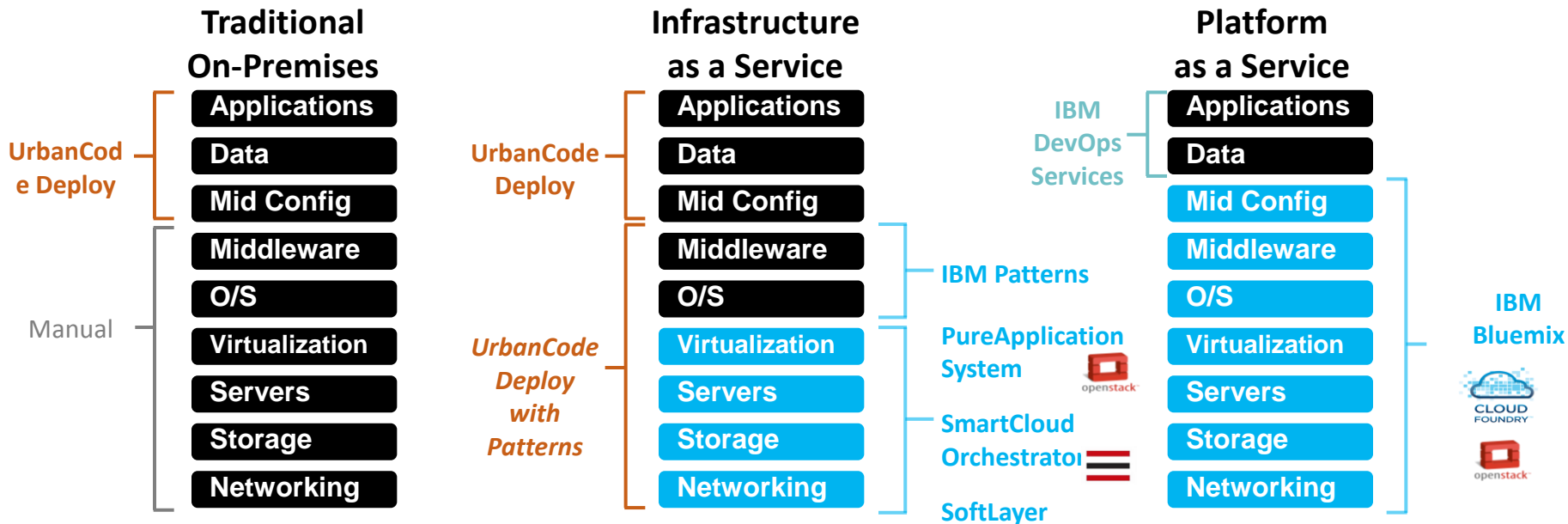
<http://ibm.biz/devops-practices-assessment>





DevOps and Cloud adoption

Automating for faster delivery with DevOps and Cloud



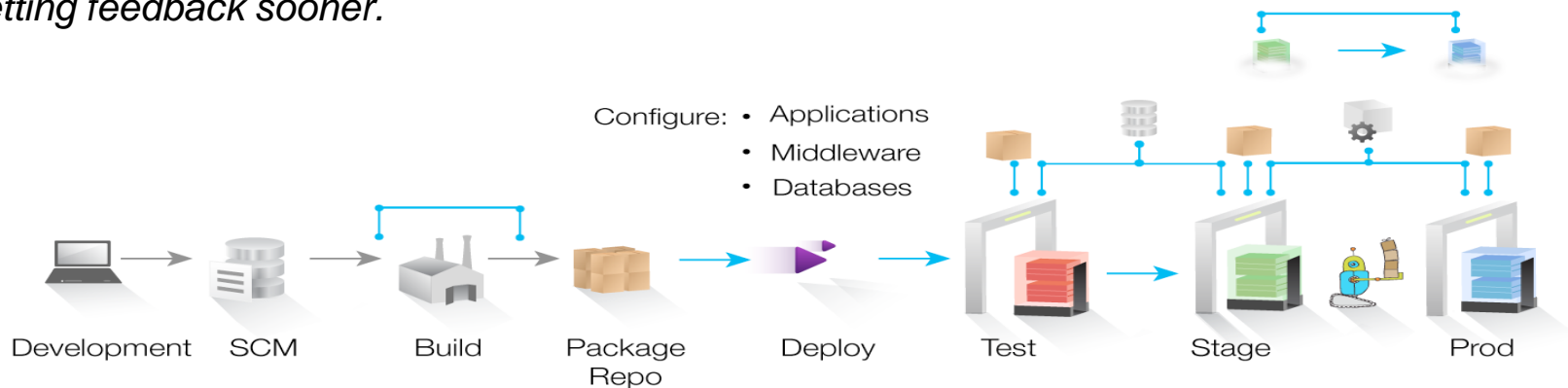
Customization; higher costs; slower time to value

Standardization; lower costs; faster time to value



Release and Deployment Automation

Provides a natural progression to successful agile development projects and is a key enabler to getting feedback sooner.



Drive down cost

Remove manual effort and wasted resource time with push button deployment processes

Speed time to market

Simple, graphical process designer, with built-in actions to quickly create deployment automation

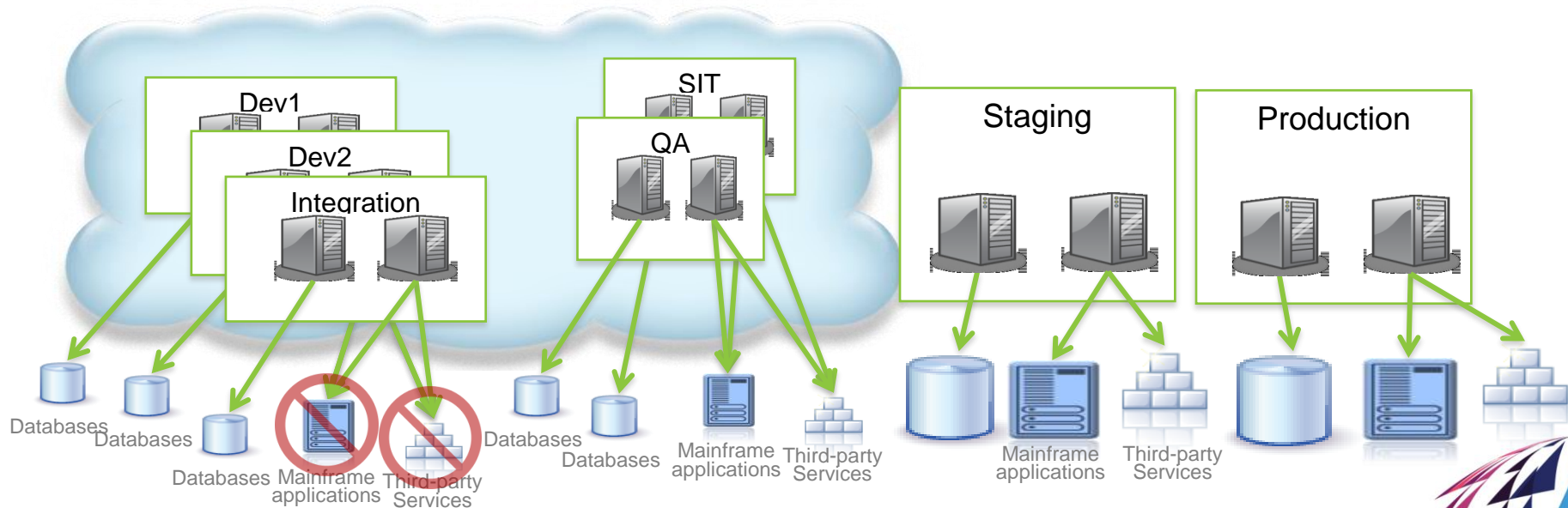
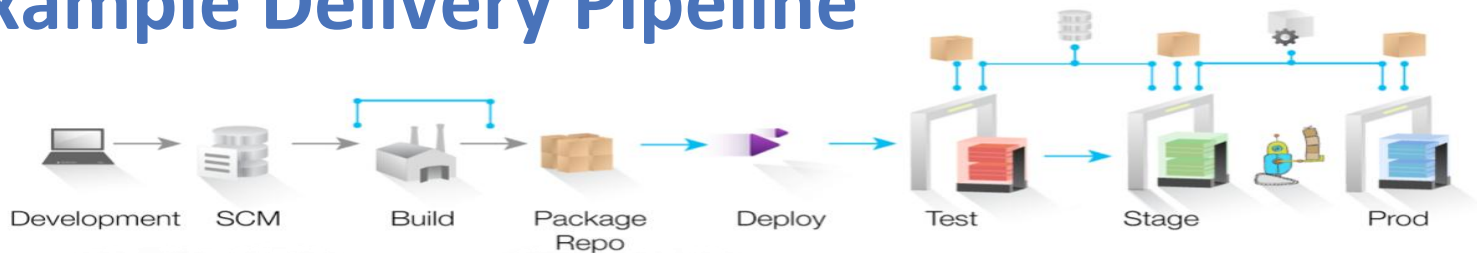
Reduce risk

Robust configuration management, coordinated release processes, audits, and traceability

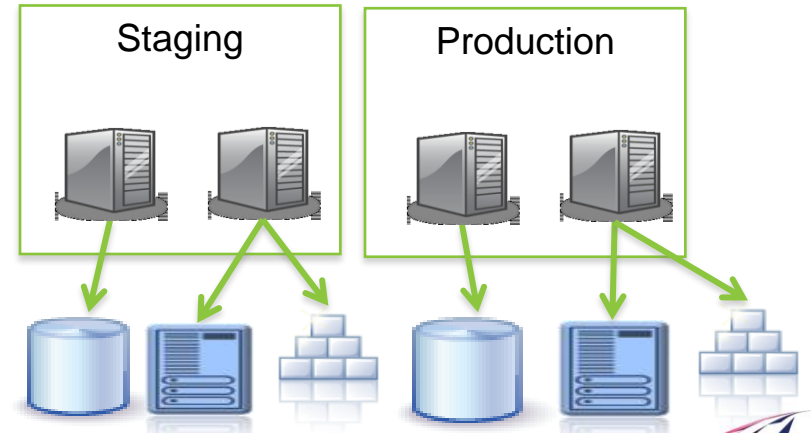
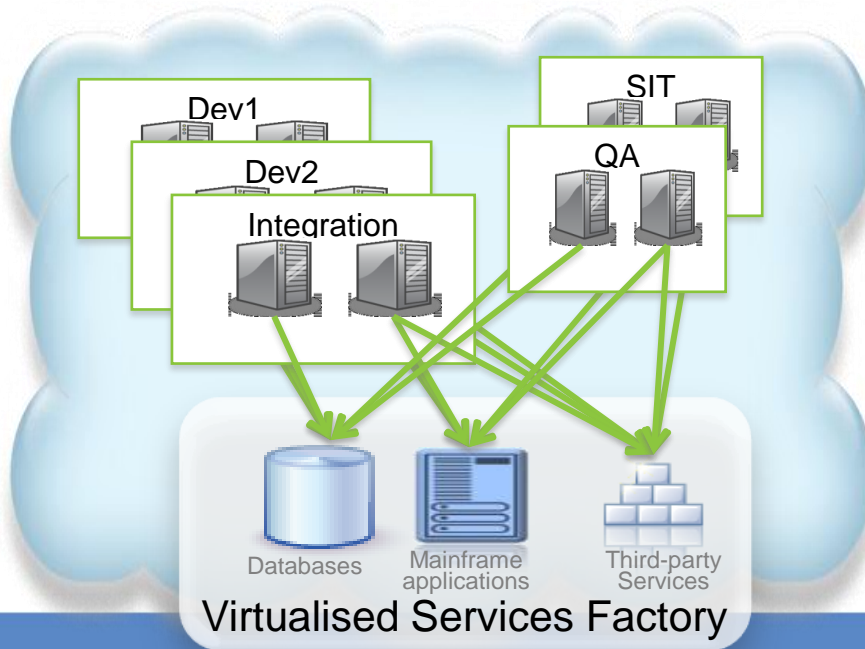
IBM UrbanCode Deploy automates the deployment of applications, databases and configurations into development, test and production environments, helping to drive down cost, speed time to market with reduced risk.

IBM UrbanCode Release is an intelligent collaboration release management solution that replaces error-prone manual spreadsheets and streamlines release activities for application and infrastructure changes.

Example Delivery Pipeline



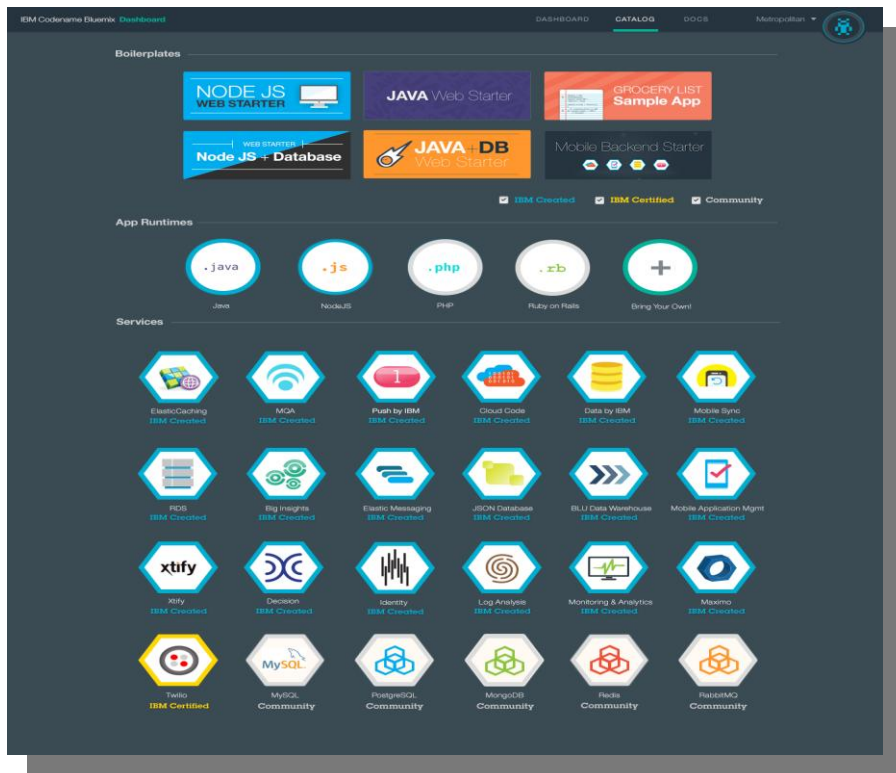
Shift-left with Service Virtualisation





IBM BlueMix - <http://bluemix.net>

Delivering a Composable Services development environment



Run Your Apps

The developer can choose any language runtime or bring their own. Just upload your code and go.

DevOps

Development, monitoring, deployment and logging tools allow the developer to run the entire application with JazzHub and Mobile Quality Assurance

APIs and Services

A catalog of open source, IBM and third party APIs services allow a developer to stitch together an application in minutes.

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.

Extend SaaS Apps

Drop in SaaS App SDKs and extend to new use cases (e.g., Mobile, Analytics, Web)

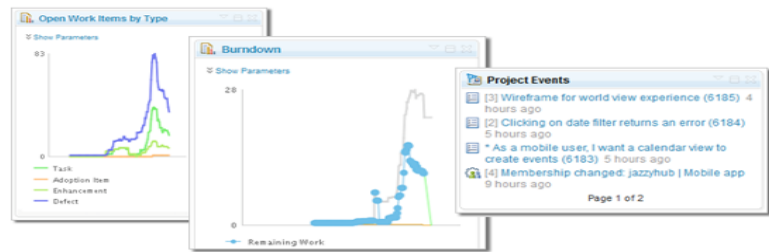
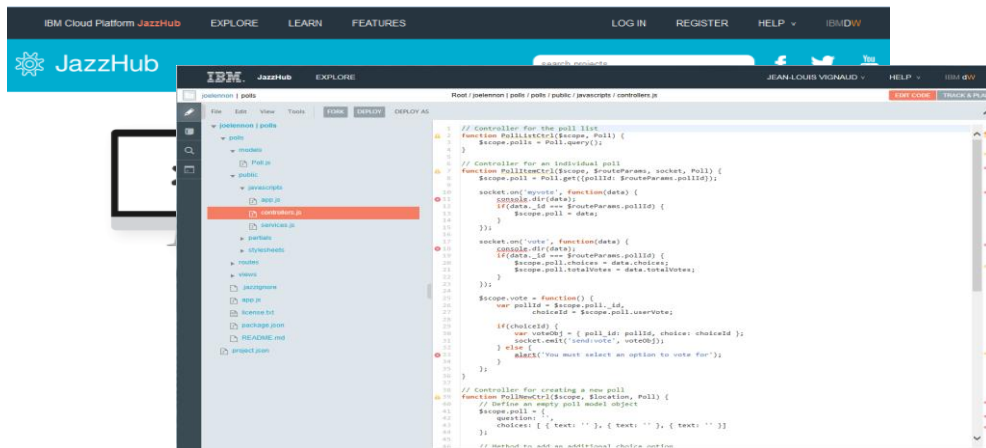




IBM DevOps Services (JazzHub) – <http://hub.jazz.net>

Software development in the cloud

- **Easy Access** - Get started for free. With Git hosting and the built-in Web IDE, it's zero to code in seconds.
- **Code Now** - Use the built-in Web IDE, Eclipse, Visual Studio, or your tool of choice.
- **Automated Deployment** - Auto-deploy your applications to IBM's cloud platform, IBM BlueMix.
- **Team Collaboration** - Share your work and collaborate through expert tools for Agile Development.

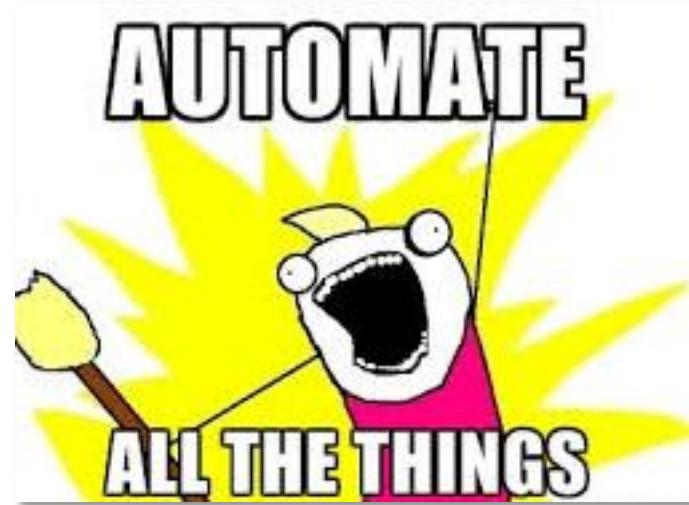


Demos

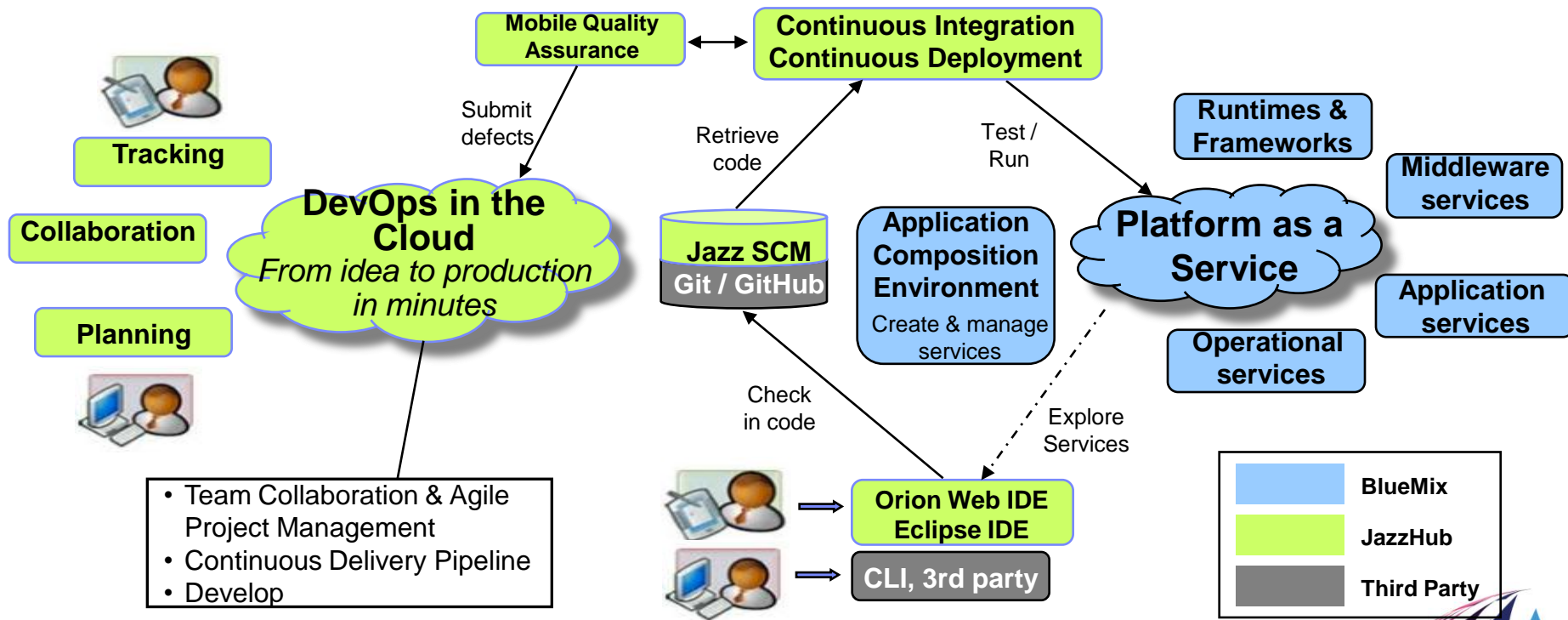


- BlueMix live demo
 - PaaS Offerings
 - Composable Services
 - DevOps Services

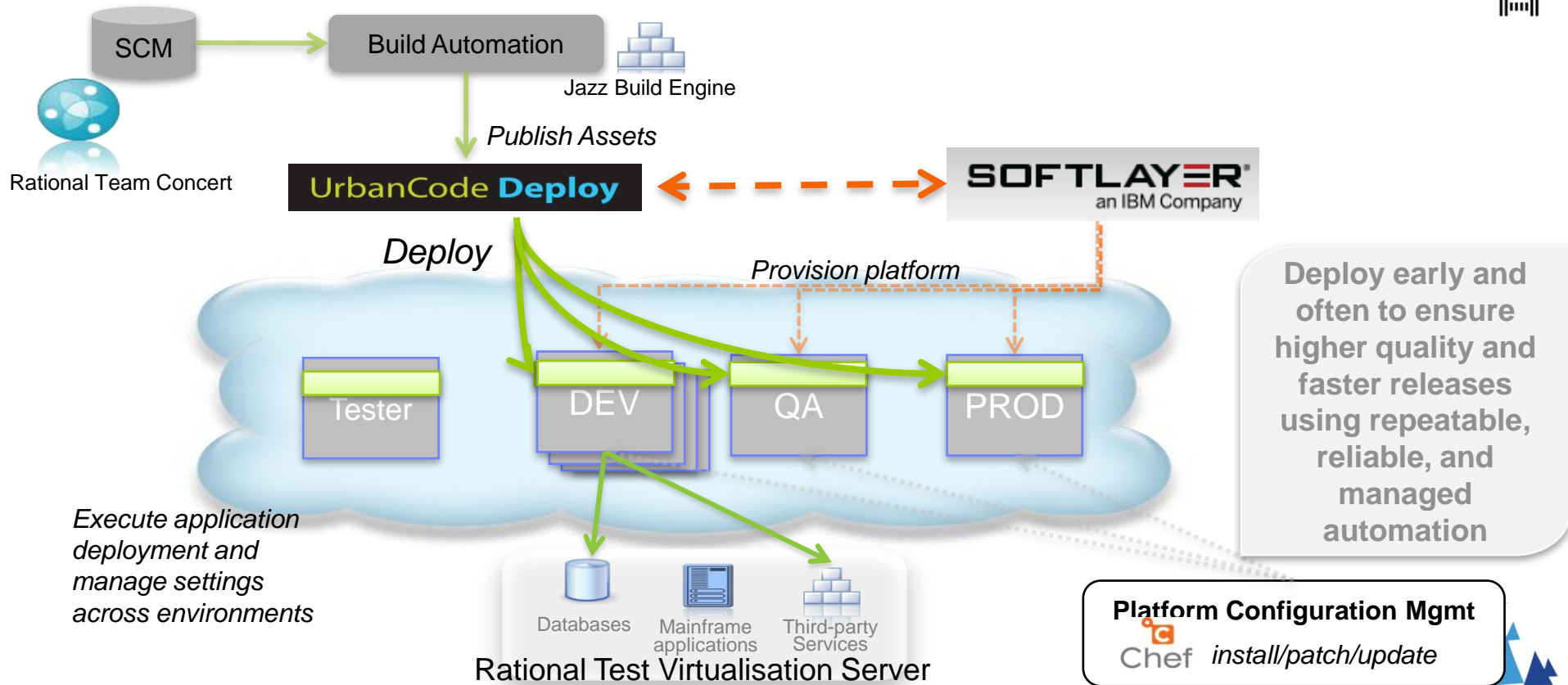
- Continuous Delivery Automation
 - Continuous Integration
 - Service Virtualisation
 - Automated Deployment
 - Orchestration
 - Verification
 - Governance



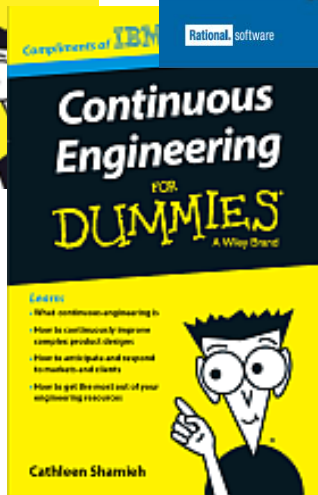
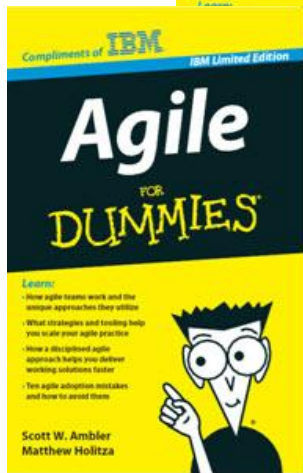
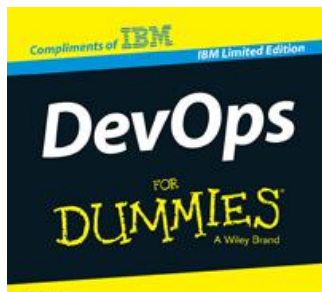
Demo1: IBM Bluemix and DevOps services



Demo2: Continuous Delivery Automation



Goodies at the IBM Booth



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Please take a few minutes
to complete the evaluation form.

WIN!

Be sure to complete the IBM Agile Conference 2014 Quiz
at the IBM booth to go into the draw for your chance to
WIN* an Epson Digital Projector.

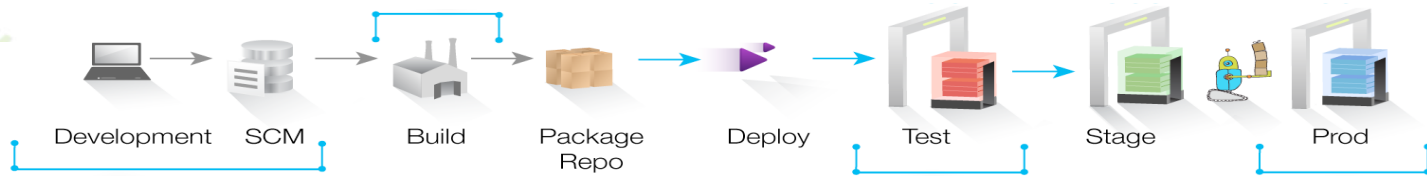


Rational software

IBM



IBM Continuous Delivery Pipeline



Develop/Test





Contacts and Resources

- IBM DevOps - <http://www.ibm.com/ibm/devops/us/en/>
- IBM BlueMix – <http://bluemix.net>
- IBM JazzHub - <https://hub.jazz.net/>
- IBM UrbanCode - <https://developer.ibm.com/urbancode/>
- IBM Mobile Quality Assurance
 - https://www.ibm.com/developerworks/community/blogs/mobilequalitybeta/entry/what_is_mobile_quality_assurance?lang=en_us
- IBM Product Session Preso – Agile Conference 2014
 - <http://www.ibm.com/au/devops/>





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for a Chance to win!

Epson EB-S120 SVGA Digital Projector

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* Please see the IBM stand for full Terms & Conditions





1. Agile Check List - given in exchange for Evaluation Form.

Rational. software
IBM

Unleashing the Full Potential of your Agile Teams

Daily Checklist for Team Leaders

A checklist for Agile Team leaders to self-assess and adopt the new perspectives and behaviours required to provide the catalysts and nourishers that make work meaningful... a day at a time.

Small Wins: Were there any events that indicated progress or a possible breakthrough today?

Catalysts - events and actions that help a team move forward. Did the team ...

- Share a common goal?
- Know how their task is going to help achieve that common goal?
- Feel safe to try out any new ideas?
- Have the willingness to challenge, and to be challenged?
- Have all the resources available to make progress?
- Learn from each other's mistakes?
- Share a sense of making progress in meaningful work?

Nourishers - interpersonal interactions that lift team's spirits. Did the team ...

- Have the support they needed to overcome problems or remove blockers?
- Feel free to ask for help to improve their efficiency?
- Recognize each other's achievements?
- Trust each other and show respect to each other?
- Engage in fun activities to reduce stress and increase creativity?
- Celebrate each other's successes?

Small Wins: Were there any events that indicated progress or a possible breakthrough today?

Blockers: Were there any incidents that indicated a setback or a possible crisis today?

Inhibitors - events and actions that can induce setbacks. Did anyone ...

- Work on any task that was not aligned to the common goal?
- Not know how a particular task they were working on is going to assist in achieving that common goal?
- Hold back from asking for help from other team members?
- Not have all the resources they needed to move forward efficiently?
- Hold back from sharing their failures (lessons learnt)?
- Not get the opportunity to share new ideas?

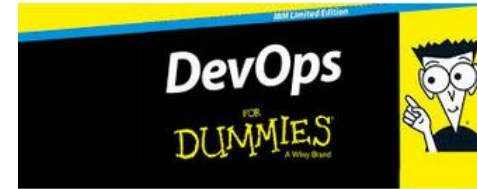
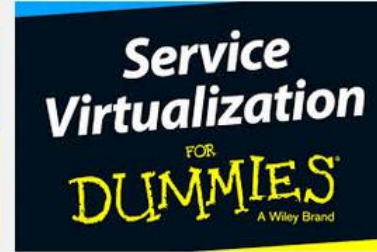
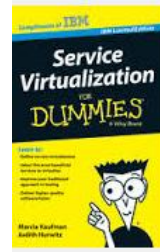
Toxins - interpersonal interactions that undermine team's spirits. Did anyone ...

- Hold back on highlighting a problem or a blocker?
- Get discouraged in any way by a team member or a team leader?
- See or refer to team members as resources?
- Experience any tension or friction with other team members and leaders?
- Find a recurring task monotonous or boring?
- Punished or ridiculed for any reason?

What can I do tomorrow to start eliminating the inhibitors and toxins identified today?

Prepared by Dipesh Pals - Inspired by 'The Power of Small Wins' by Teresa M. Amabile and Steven J. Kramer

2. Dummies books - given when relevant or as a thank you for entering the game. *Service Virtualisation, Agile and DevOps*





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