

Application Modernization – Re-Modeling for your Enterprise

Session 16521 – Monday March 2 10:00-11:00

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Abstract



Application modernization. In order for businesses to ensure that their applications remain up-to-date, vibrant, relevant, and contributing to the financial success of the organization, application development teams need to pay attention to maintaining and enhancing the applications that keep the business running.

In this session, we will discuss the often over-looked topic of application modernization. We will cover aspects of application portfolio management, application analysis and assessment, identifying the applications which are most important to the organization, and application renovation.

Managing an application portfolio is an ongoing process, just like maintenance and re-modeling projects in non-IT environments. Come and learn how to focus your attention on the applications that are most critical to your business in order to maximize the effectiveness of your application modernization work.

Complete your session evaluations online at www.SHARE.org/Seattle-Eval



Inaction – Status Quo



- Status quo – don't change
- FUD: “millennials can't code COBOL”, “manual processes exist for a reason”, “SoR dev can't be as nimble as dist'd”



- Slow – SoR dev the bottleneck
- High cost – “inhibitor to innovation”
- High risk – business becomes uncompetitive

Action – Embrace DevOps



- Change agent – accept the mission!
- New reality - make a radical shift with DevOps...and lean, and MVPs, and...



- Fast - client feedback incorporated
- Low cost – incremental deliveries, new client value
- Low risk – better quality, holistic dev / delivery

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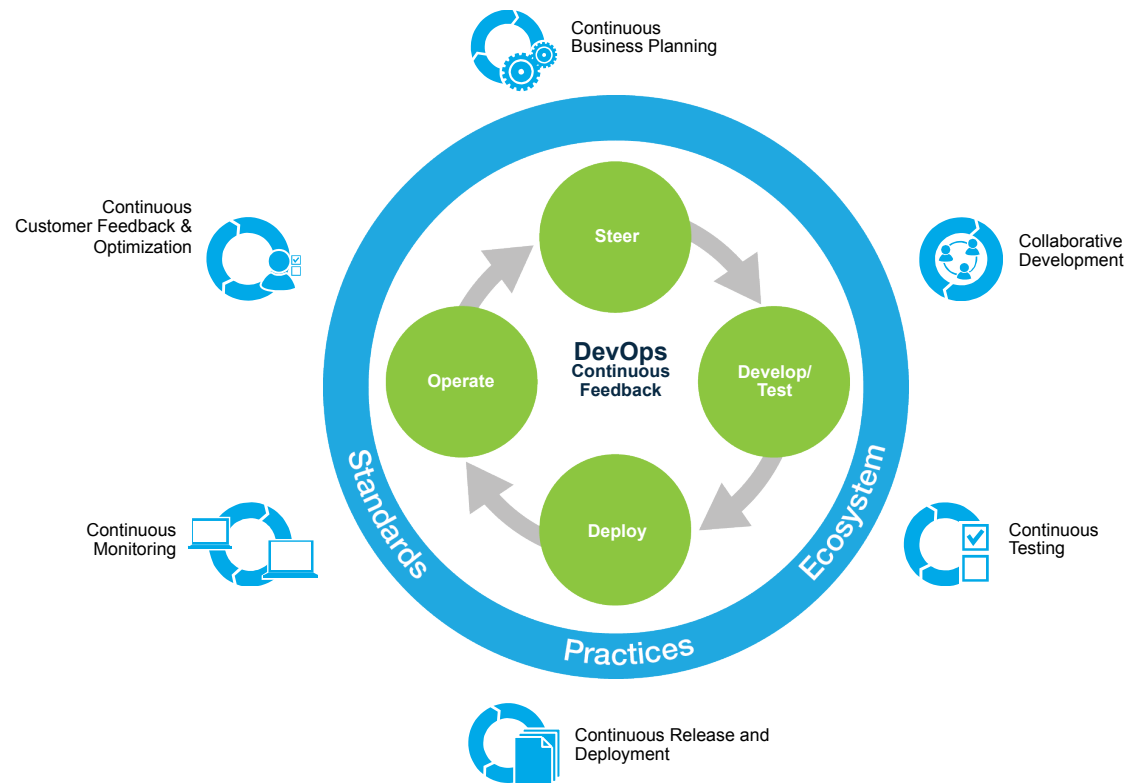
IBM DevOps point of view

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

**Accelerate software delivery –
for faster time to value**

**Reduce time to customer feedback –
for improved customer experience**

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



Clients are achieving **measurable business outcomes with DevOps**

Competition, market volatility, and customer expectations are driving organizations to adopt DevOps



Areas for Modernization

- Modern Tools
- Collaborative Development – Transparency – Cross platform
- Breaking Down the Silos
- Application Modernization – Incremental Modernization
- Automated Testing – Cross platform
- Automated Deployment/Release – Cross platform

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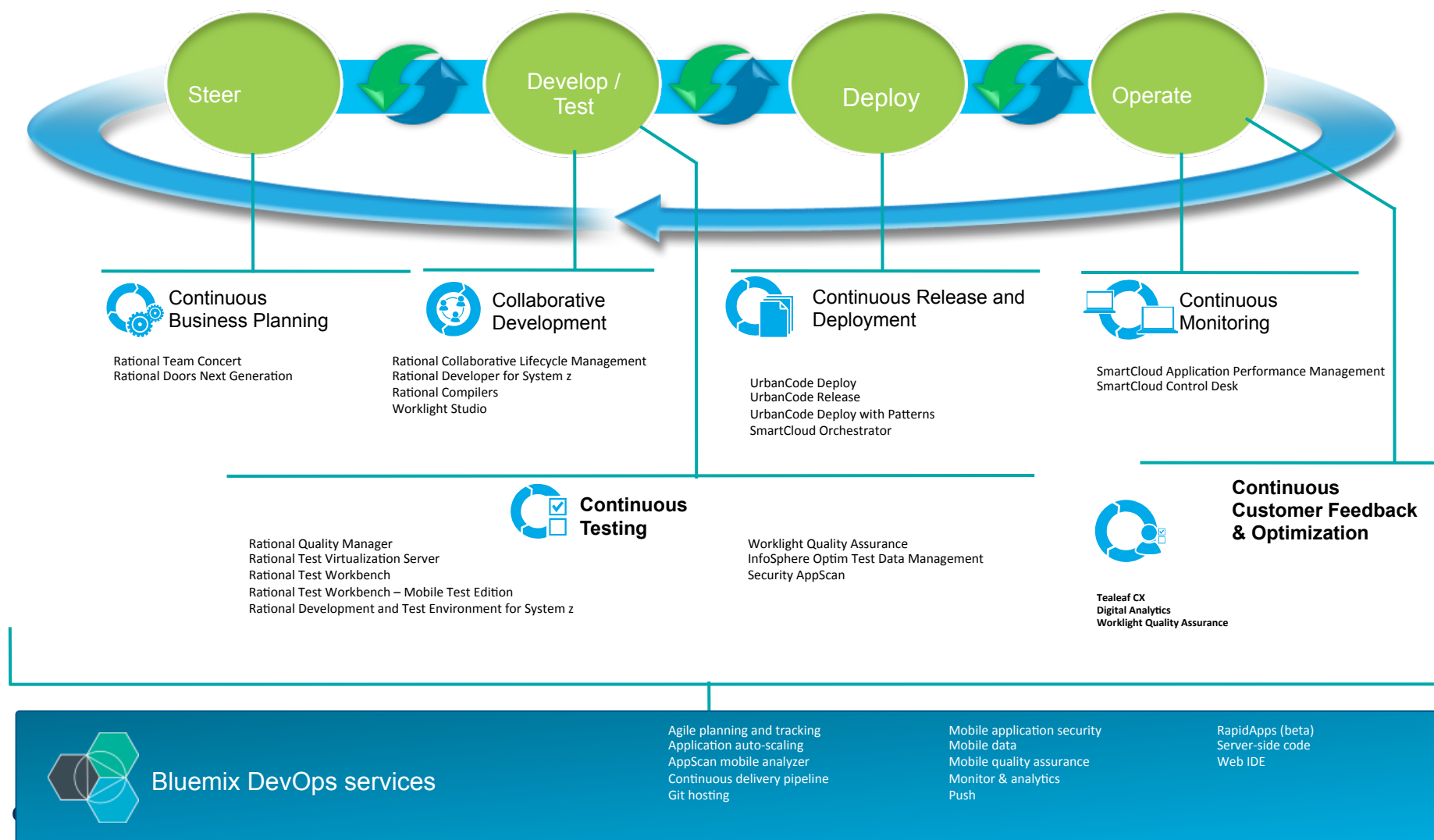
Application Modernization

- Incremental
- While doing changes
- zUnit helps push change
- Automated testing key
- Modern tools provide application understanding
- Build services – remember SOA



IBM DevOps – Broad set of DevOps capabilities

Address bottlenecks across the application delivery lifecycle



DevOps delivers value across the software delivery lifecycle

IBM WATSON



Reduced delivery cycles from nine weeks to three weeks. – [IBM Watson team](#)

Reduced typical 6-month development effort to 15 days, from concept to running system.

– [Bay Area Rapid Transit & Synchrony Systems](#)



Tangerine

Reduced end-to-end development time from 6 weeks to 2 weeks; accelerated standing up an operational hardware and software stack to just 30 minutes.

– [Tangerine](#)

Increased new product releases from 30-40 per year to more than 400.

– [cars.com](#)



Reduced the time required for software releases by 99%; achieved cost avoidance of more than USD2.3 million per year (for a single app).

– [Fidelity Investments](#)



Shortened development time for products from months to days; gained 1.2 million new customers in just one year. – [RCBC](#)

h.h.gregg

appliances & electronics

Sped from concept to prototype in 1 week, in-market in 3 months

– [h.h. gregg](#)



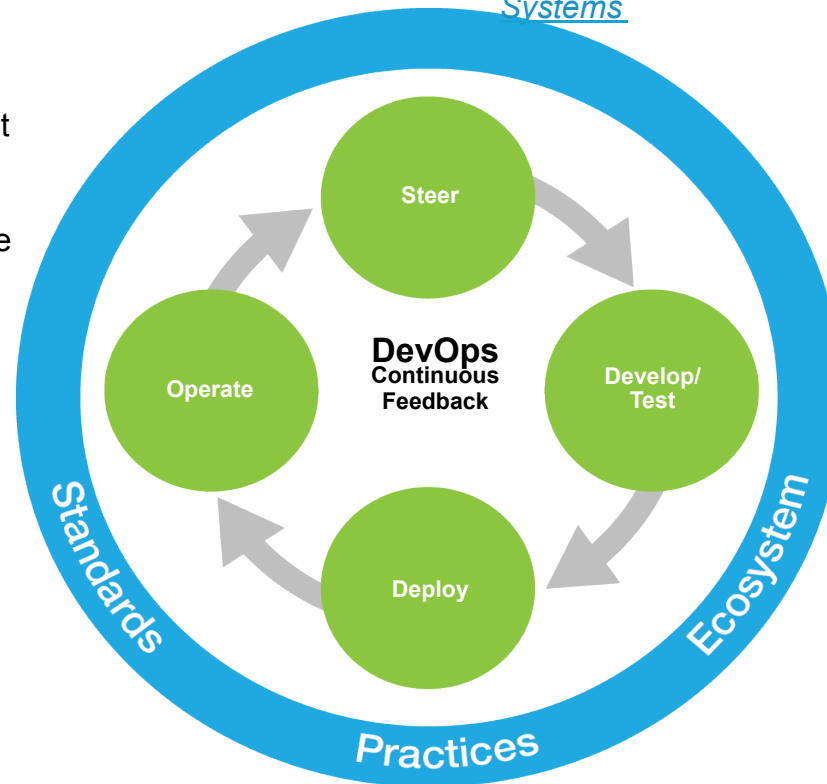
80% reduction in critical defects over the last three years; 90% on-time delivery vs. 60% previously.

– [Nationwide Insurance](#)

40% reduction in overall testing costs; 80% productivity improvement. – Large Government Agency



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THANK YOU!

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