Innovate2012

The Premier Event for Software and Systems Innovation



Michael Rhoads Director, Rational Software Asia Pacific Maybe add bridge chart....

Consider adding bridge chart from IDC findings / messages, to the IBM story.

Smarter Software Delivery - Topics

- Software Innovation New Development Reality
- Accelerating Overall Software Delivery
- Business Planning and Alignment
- Application Life Cycle Management
- DevOps
- Mobile Enterprise Application Development
- Announcements
- Summary

The World We Live in...

Is Exciting for Developers!

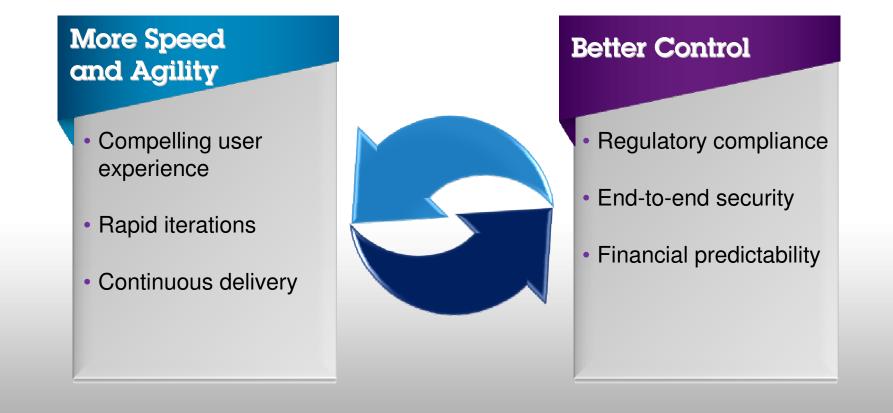
- Globalization
- Consumerization of technology
- Cloud, mobile, big data, social business
- Increasing complexity, systems of systems
- Move faster or die



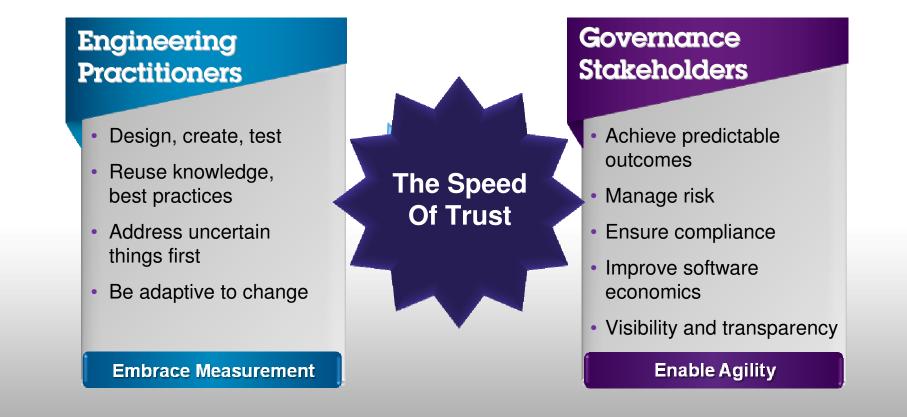
Value Creation Driven by Software in Every Industry



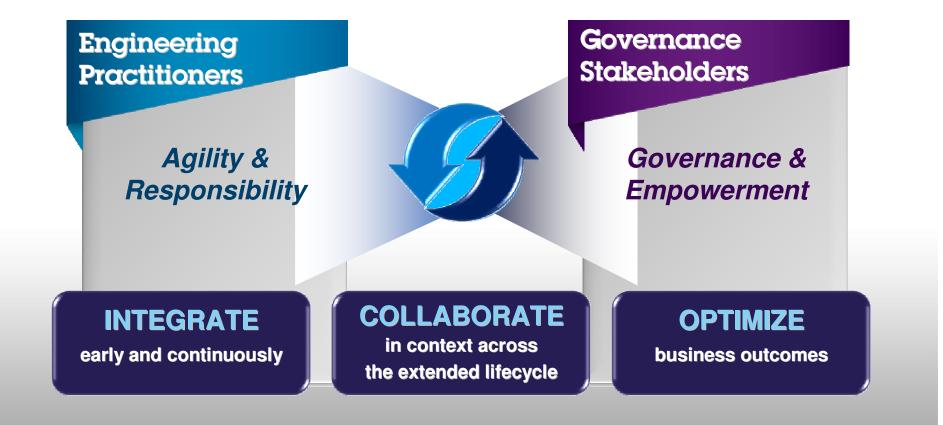
Implications for Software and Systems Delivery



Accelerated Delivery Demands a Quid Pro Quo



Succeeding in The New Development Reality



Succeeding in The New Development Reality

INTEGRATE

early and continuously

Connecting Process and Information Software, data, and tools

- Common architectures
- Outside in design
- Process and tools
- Reuse
- Componentization

COLLABORATE

in context across the extended lifecycle

Unifying Teams Projects, and organizational cultures

- Open, common platform
- Whole team shared objectives
- Vibrant communities of subject matter experts

OPTIMIZE

business outcomes

Simplifying Governance Plans, scope, and measures

- Economic governance
- Measured improvement (revenue / headcount)
- More efficient operations
- New product investment

Smarter Software Delivery - Topics

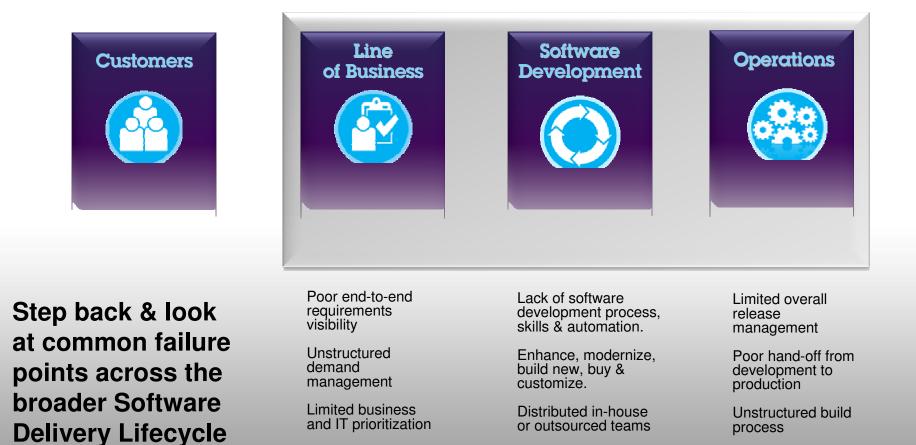
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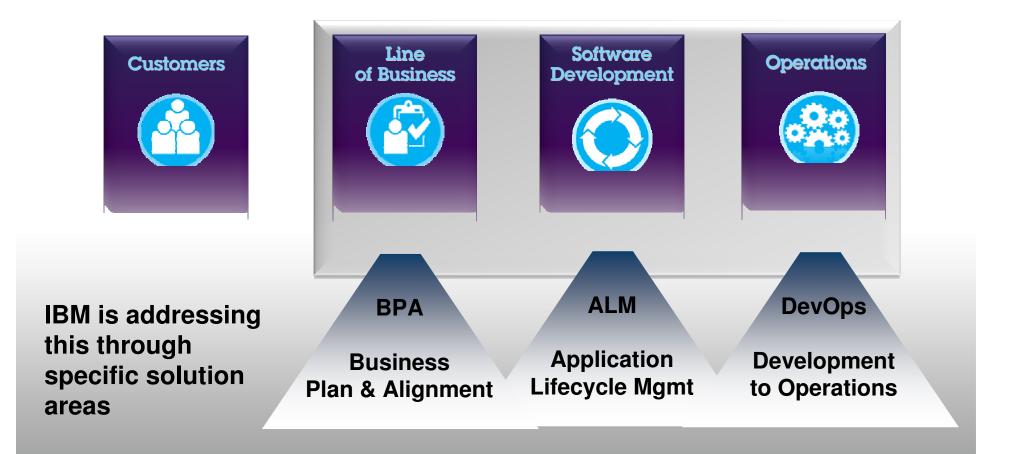


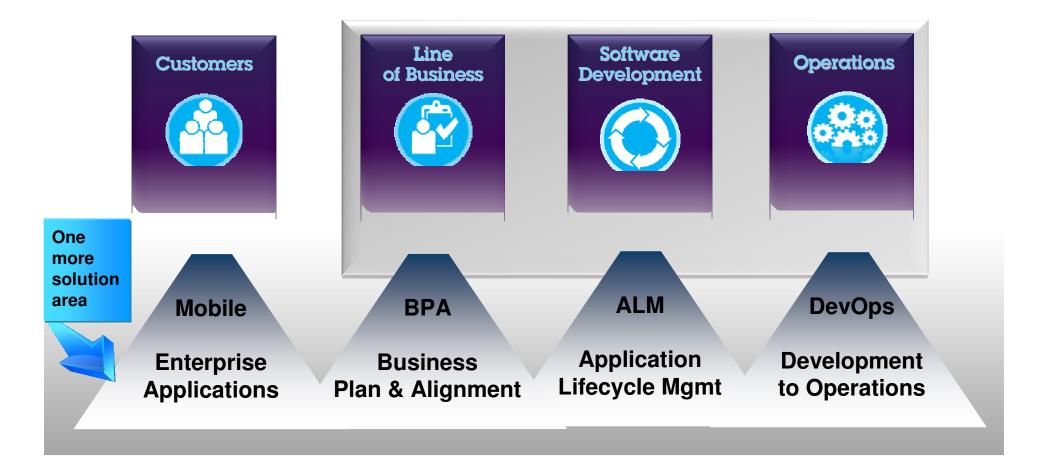
SW is challenging, but should not be considered in isolation Lack of software development process, skills & automation.

Enhance, modernize, build new, buy & customize.

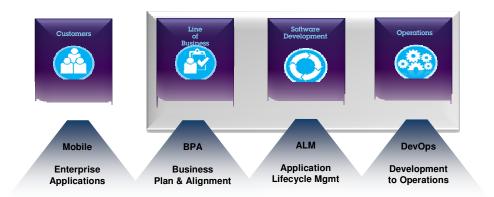
Distributed in-house or outsourced teams

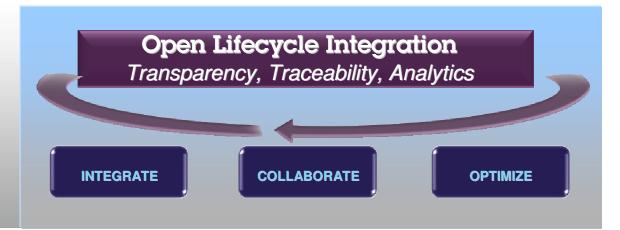






- IBM provides some of the industries best automation offerings in each of the solution areas.
- IBM **Rational** has long been a leader in the ALM area and more recently emerged as the leader in the BP&A area.
- IBM Tivoli has long been the leader in the Operations area and now Rational / Tivoli Integrations provide the industries best DevOps solution
- Mobile applications are moving from standalone utilities, mash-ups and user apps, to full enterprise apps. IBM **Websphere** and Rational integrations now provide the industry's most complete solution.
- IBM is providing solutions on an Open Lifecycle Integration platform, which helps organizations "Integrate, Collaborate and Optimize", to accelerate their overall software delivery.





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Business Planning and Alignment



Change picture representing INSIGHT. Current picture just a placeholder

Rational System Architect



Enterprise Architecture

- Create organizational blueprint
- Link business & IT information
- Provide key input to enterprise planning
- Provide accurate impact analysis
- Guide successful ent. transformation

Rational Focal Point



Portfolio Management

- Build or buy the right assets
- Build & deploy assets in the right way
- Maintain assets in the right way
- Retire / replace assets at the right times

Rational Insight



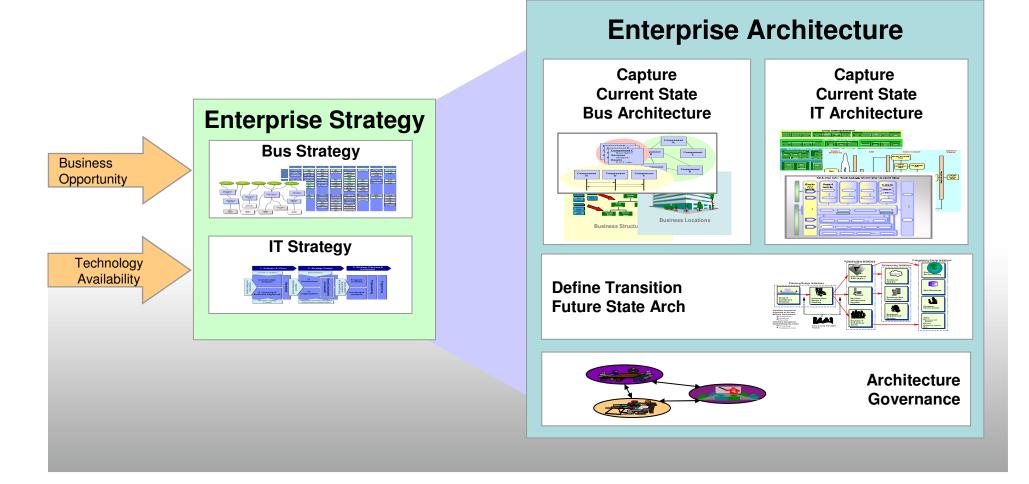
Measurement & Reporting

- Measure, monitor, analyze portfolio, project and process performance
- Continual process improvement
- Built on best-in-class business intelligence platform from IBM Cognos

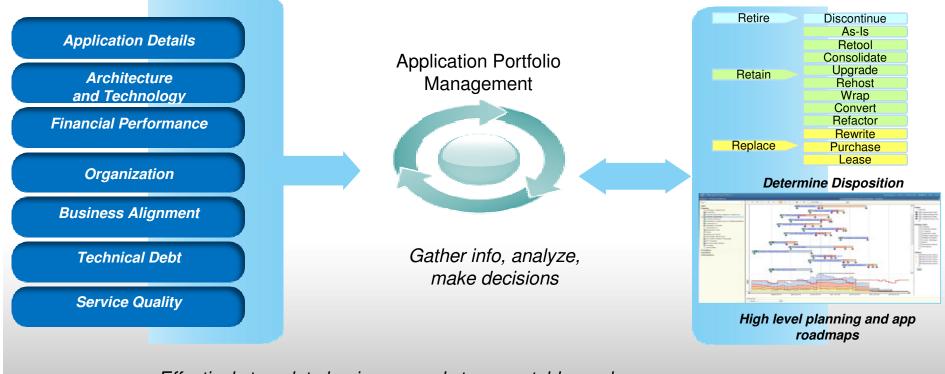
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Consider adding bridge chart from IDC findings / messages, to the IBM story.

IBM Rational System Architect



IBM Rational Focal Point

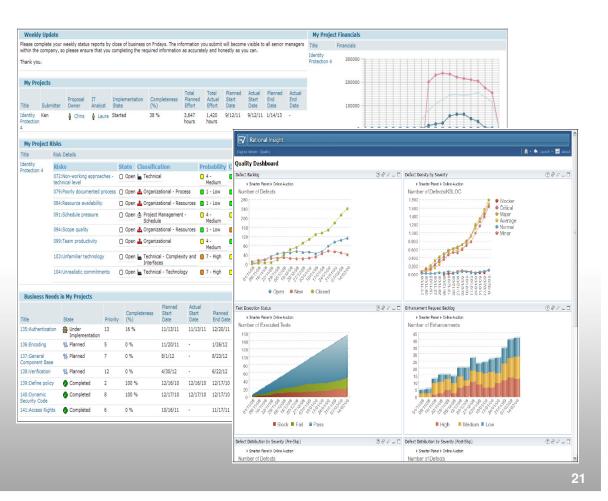


- Effectively translate business needs to executable roadmaps
- Easy to adopt, focus on analytics and execution,
- Scales to address maturing customers

20

Measurement and Reporting

- Real-time insights from wide variety of data sources, both Business and IT.
- Monitor portfolio, project and process performance
- Continual process improvement to improve organizational outcomes
- Built on best-in-class business intelligence platform from IBM Cognos tailored for Software Delivery.
- Create a business command center with your own Executive Dashboard



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Add 2 slides on ALM / CLM

- Maybe the product and capability
- Maybe the 5 imparatives / best practices

Add 2 slides on DevOps

- Choose from Orlando Innovate
- However, only have PDFs not PPT from Orlando

Add 1-2 slides on Mobile Enterprise Apps

- Add from Orlando
- Or look for presentation from Albert Ho

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Add 2 - 3 slides on Announcements

- Use info from deck Sandra sent
- Make announcement seem MUCH more exciting
 Try to tie-in with products describe in previous section
- Also use Announcement to resonate with customers business problems

Conclusion

- Use summary slide of key points from presentation
- Also bridge to introduce next presentations (review Kedar / Adam)
 Possibly make an "offer" for some sort of workshop (check with Paul)

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Back-Up

Attaining Accelerated Delivery **NOW**

High impact entry points for IT organizations

- Elaborate user experience earlier in lifecycle
- Link requirements management to test
- Make integration, test and deployment continuous
- Scale agile to enterprise with governance and metrics

Attaining Accelerated Delivery NOW

High impact entry points for product and systems organizations

- Implement cross-discipline systems engineering
- Implement model-based systems engineering
- Integrate tools and data for lifecycle traceability

New Capabilities from IBM to Enable Agility with Governance

DEVELOPMENT LIFECYCLE

- Rational Solution for Collaborative Lifecycle Management
- Rational Solution for Systems and Software Engineering
- Continuous integration and testing features Green Hat technology

EXPANDING LIFECYCLE AND INDUSTRY FOCUS

- Integrations for Collaborative DevOps
- SmartCloud Continuous Delivery
- IBM Enterprise Mobile Development Solution
- Targeted industry-specific guidance for compliance standards

ECOSYSTEM

• New partnerships:



- New steering committee for OSLC
- New Linked Data Workgroup within the W3C
- IBM PureSystems Trial powered by SmartCloud

NATIONAL INSTRUMENTS

Enhancements to Jazz.net and Jazz Hub

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Community Drives Everything

Community directs our vision, development, and this conference

- Jazz.net now more than 100K members
- developerWorks more than 4M visitors per month
- open-services.org more than 140 member companie now transforming through a new governance model
- W3C Working group chartered on Linked Data, underpinnings of Internet style integration
- Over 500 IBM Rational authorized business and technology partners

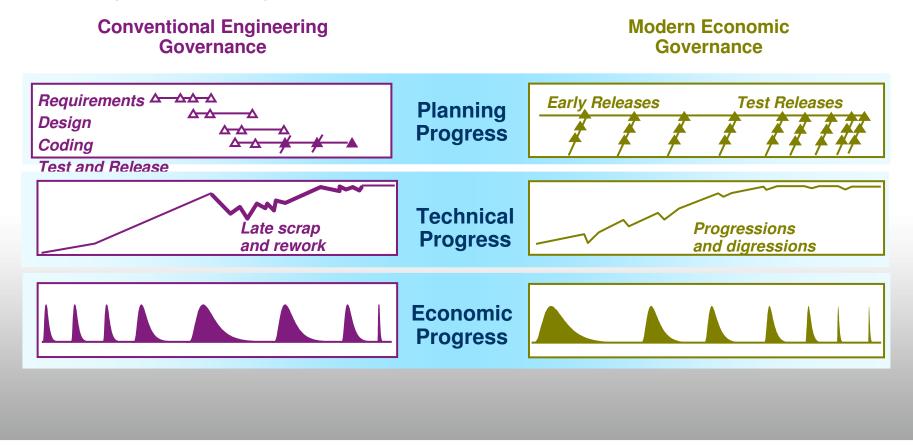
Help us take	
Join	n ext level n The Jam! z.net/jam

How to Move Forward

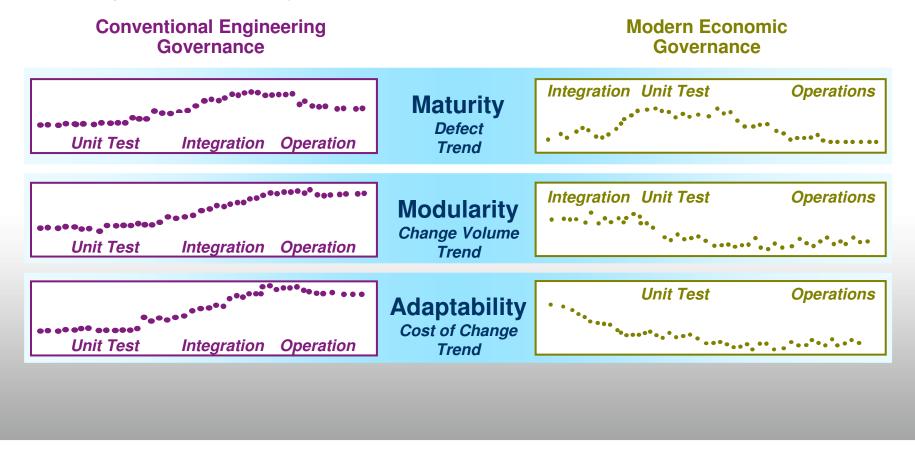
- Act now to transform your software and systems delivery
- Start today and leverage Innovate to the maximum
- Post Innovate: Benefit from our experience!



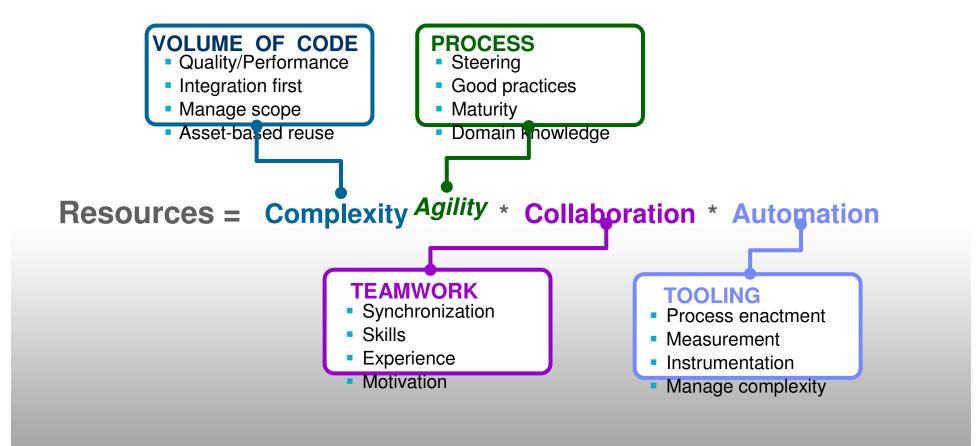
Measured Improvement: *Progress Econometrics*



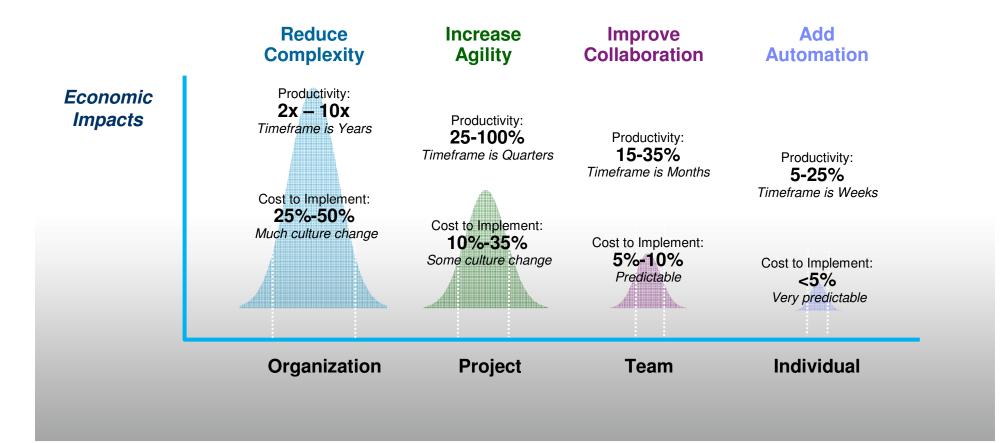
Measured Improvement: <u>Quality</u> Econometrics



Improving Software Economics



Productivity Improvement Leverage



Why are they important ?

Cost – 80/20 budget trap

- Maintenance and operations consumes high % of budget
- Limited budget remaining for new initiatives

Business agility

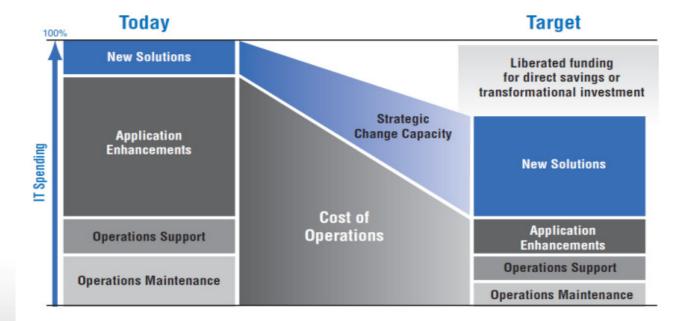
- Tightly coupled architectures
- Unwarranted complexity
- Technology proliferation

Strategic planning

- Inability to actively plan strategic initiatives
- Cloud, Mobile, Compliance, M&A, and Divestitures

Risk / supportability

- Key skills move companies
- People retiring
- Aging technology



A large UK bank transformation initiative

- 90 / 10 Started at 90% run-the-bank leaving only 10% for growth initiatives
- 40 / 60 Shifted to 40% run-the-bank and a huge 60% for growth initiatives

Dell organizational prioritization

- 80 / 20 Started at 80% maintenance and only 20% innovation
- · 50 / 50 Moved to 50% maintenance and 50% on innovation spending

Enterprise Architecture

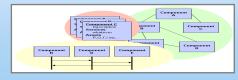
Professional Blueprint

- Define strategy and vision
- Capture process, org, apps, tech
- Diagrams, heat maps, relationships

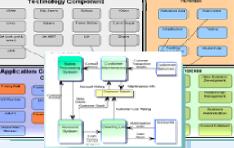


Impact Analysis

- Assess gaps, visualize architectural roadmaps.
- Relationships for impact analysis
- Define future state and transitions



Enterprise Arch

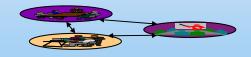


Frameworks/Standards

- Support for multiple frameworks and modeling standards (TOGAF, DODAF)
- Windows and web-based clients for flexibility, productivity and access

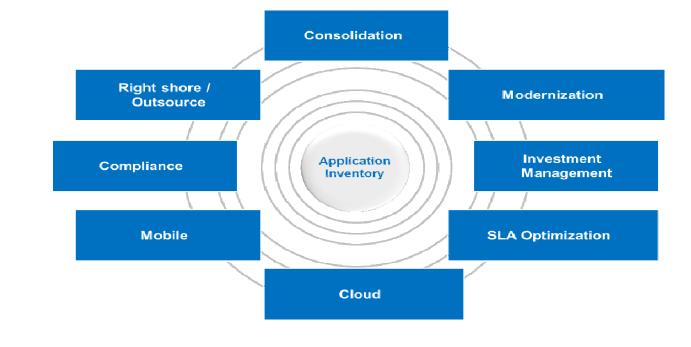
Actionable Arch.

- Use info for Strategy and Arch Review Boards
- Integrate with application lifecycle mgmt and ent modernization



IBM Rational Focal Point





Create Inventory

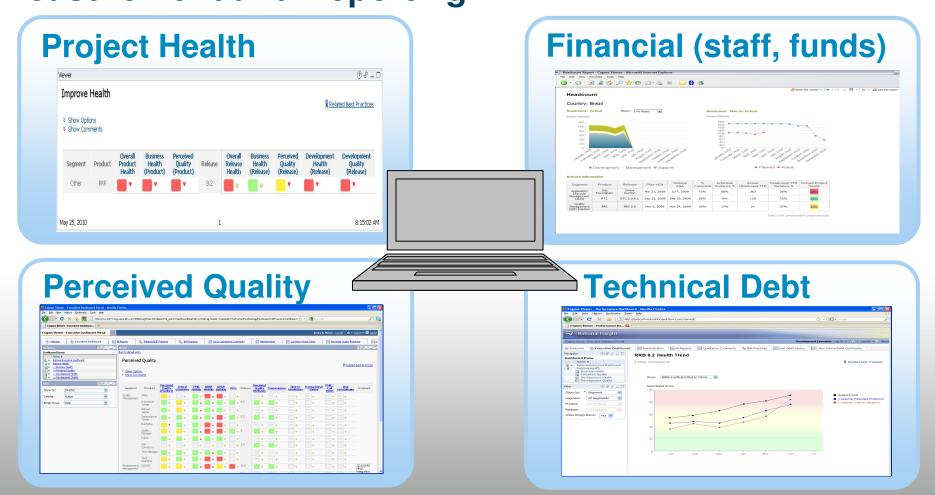
- Import existing spreadsheets
- Use tool to capture info
- Automatic feeds
- Single source of Truth

Analyze Business / IT Value

- Use pre-defined criteria
- Flexible weighting
- Additional data capture
- Multiple pair-wise comparisons

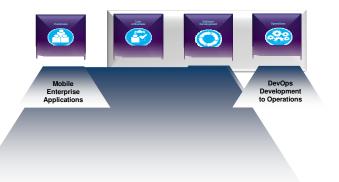
Recommendations

- Consolidation
- Modernization
- Cloud/Mobile
- Right-shore / Outsource



Measurement and Reporting

BPA - Business Planning and Alignment



Enterprise Architecture

- Realize business benefits from technology solutions
- Integrations to drive transformation and traceability of artifacts from business and IT strategy
- Pinpoint how and when to leverage services and technologies
- Improve efficiency and agility change architectures to respond to business change

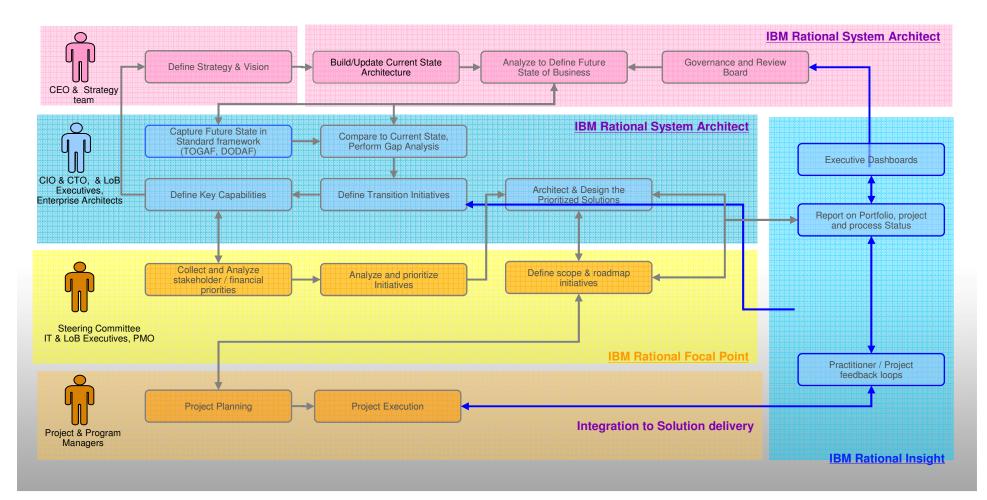
Portfolio Management

- Effectively translate business needs to executable roadmaps
- Align application inventory with business direction and focus resources on strategic priorities
- Simplify existing application assets. Improve quality and functional capability
- Transform the legacy portfolio to respond quickly and efficiently to business changes

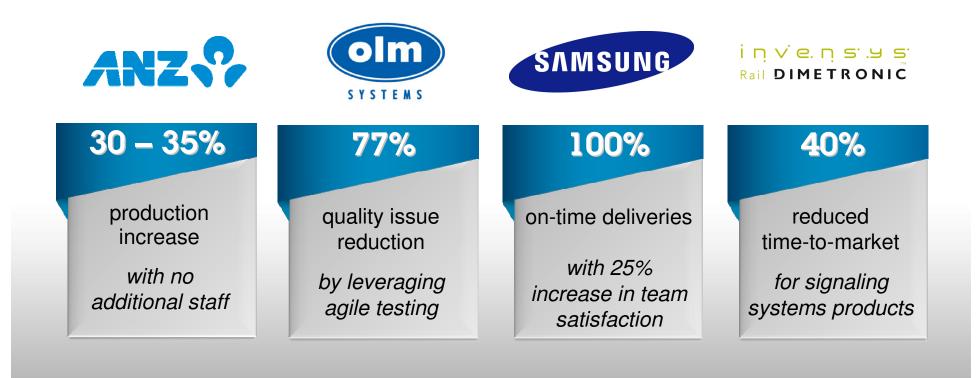
Measurement and Reporting

- Get real-time insights
- Measure, monitor, analyze portfolio, project and process performance
- Continual process improvement to improve organizational outcomes
- Built on best-in-class business intelligence platform from IBM Cognos

Business Planning & Alignment Process Flow



IBM Client Successes



Accelerating Overall Software Delivery



Step back & look at common failure points across the broader Software Delivery Lifecycle Poor end-to-end requirements visibility

Unstructured demand management

Limited business and IT prioritization

Lack of software development process, skills & automation.

Enhance, modernize, build new, buy & customize.

Distributed in-house or outsourced teams

Limited overall release management

Poor hand-off from development to production

Unstructured build process