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!

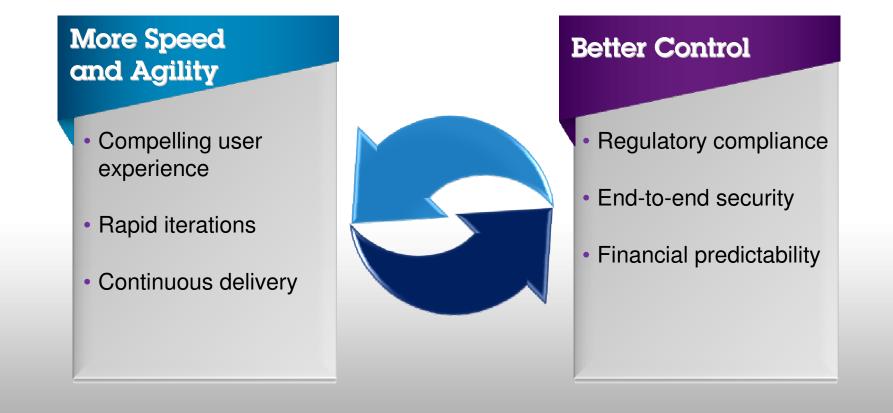
- Globalization
- Consumerization of technology
- Cloud, mobile, big data, social business
- Increasing complexity, systems of systems
- Move faster or die



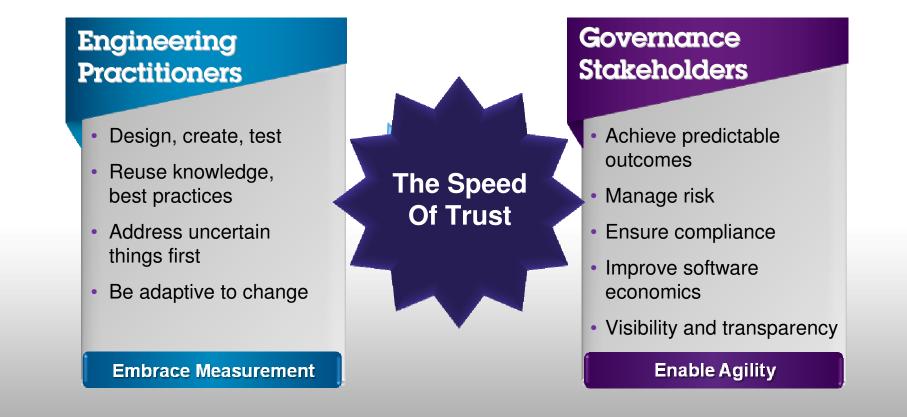
Value Creation Driven by Software in Every Industry



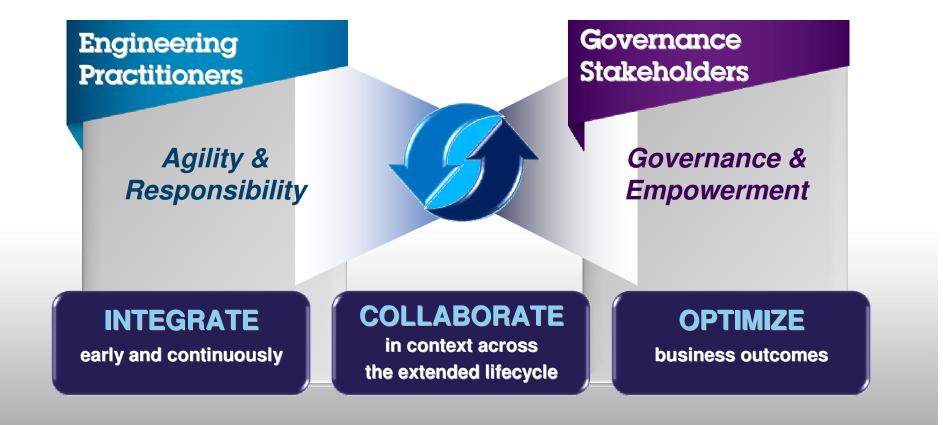
Implications for Software and Systems Delivery



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

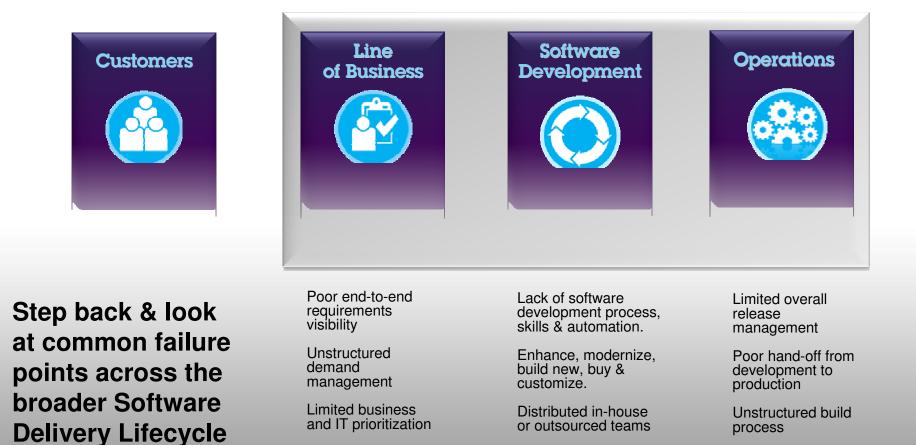
- Software Innovation New Development Reality
- Accelerating Overall Software Delivery
- Business Planning and Alignment
- Application Life Cycle Management
- DevOps
- Mobile Enterprise Application Development
- Announcements
- Summary

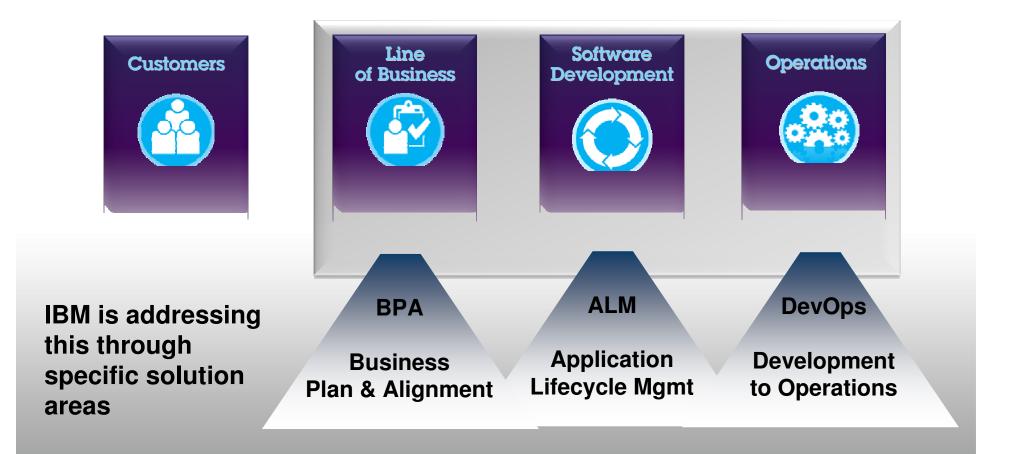


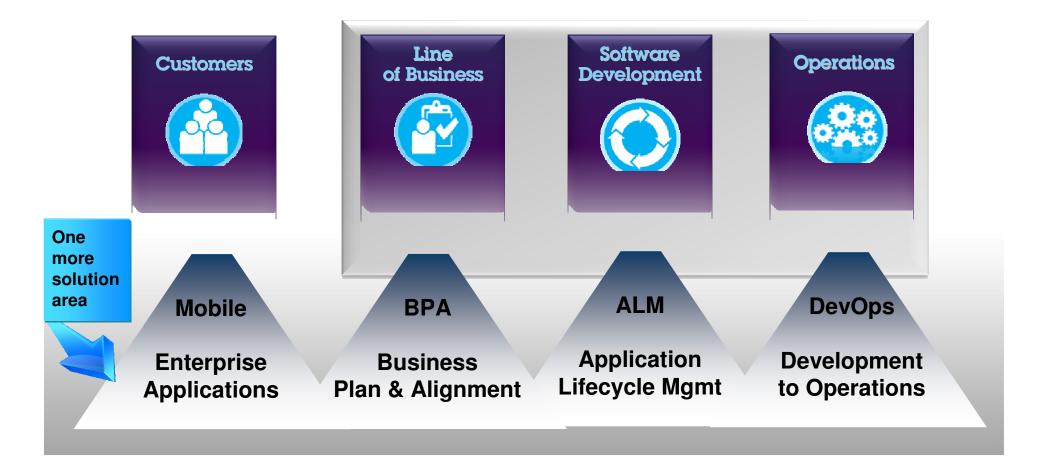
SW is challenging, but should not be considered in isolation Lack of software development process, skills & automation.

Enhance, modernize, build new, buy & customize.

Distributed in-house or outsourced teams

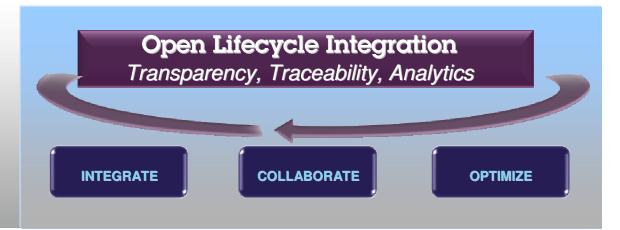






- IBM provides some of the industries best automation offerings in each of the solution areas.
- IBM **Rational** has long been a leader in the ALM area and more recently emerged as the leader in the BP&A area.
- IBM Tivoli has long been the leader in the Operations area and now Rational / Tivoli Integrations 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.





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

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



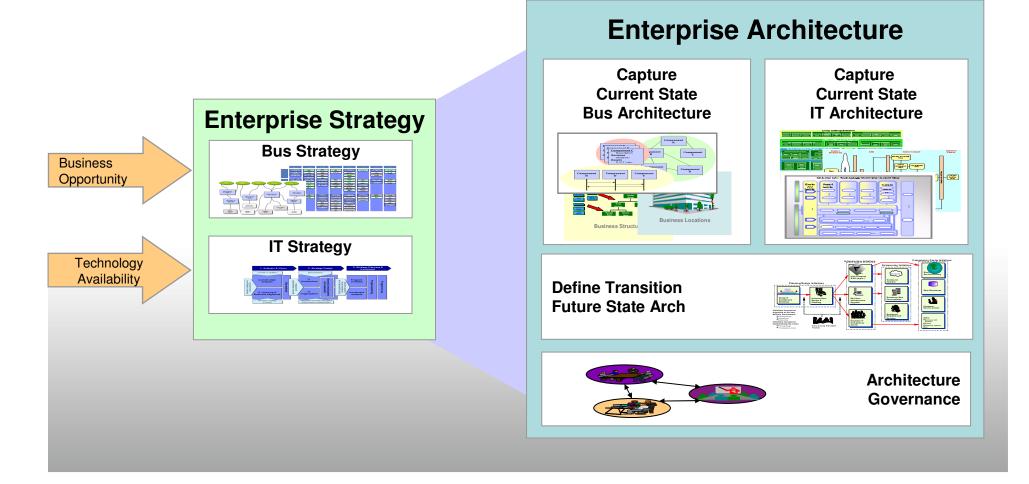
Measurement & Reporting

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

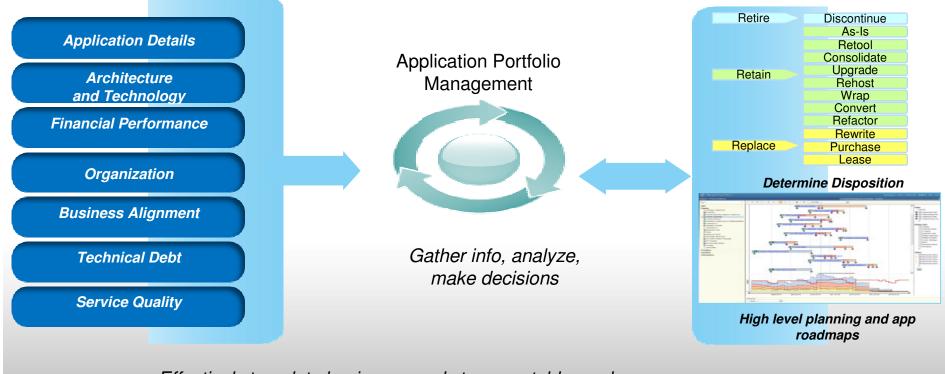
Change picture representing INSIGHT. Current picture just a placeholder

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

IBM Rational System Architect



IBM Rational Focal Point

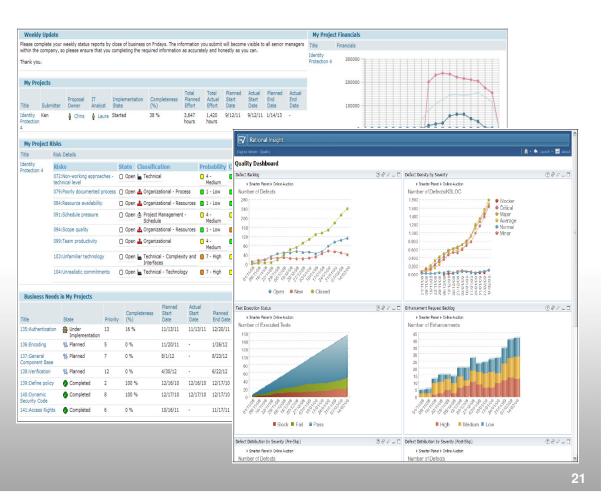


- Effectively translate business needs to executable roadmaps
- Easy to adopt, focus on analytics and execution,
- Scales to address maturing customers

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



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

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

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

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)

Innovate2012

The Premier Event for Software and Systems Innovation

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

Innovate2012

The Premier Event for Software and Systems Innovation

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

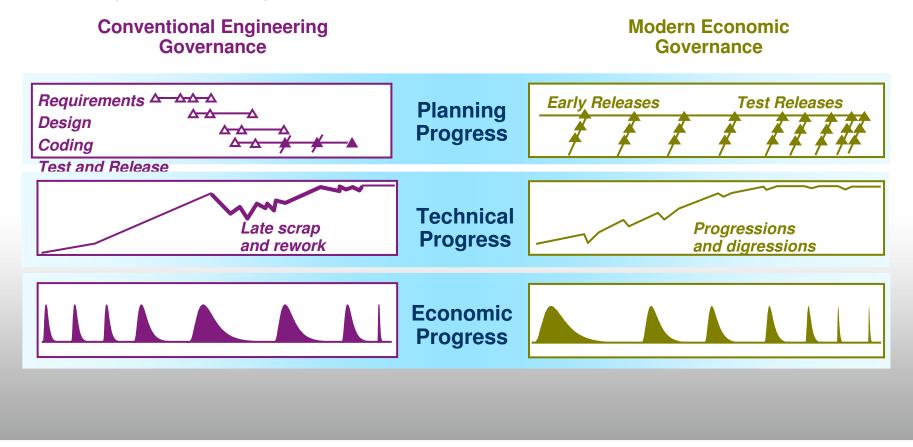
Help us take	
Join	n ext level n The Jam! z.net/jam

How to Move Forward

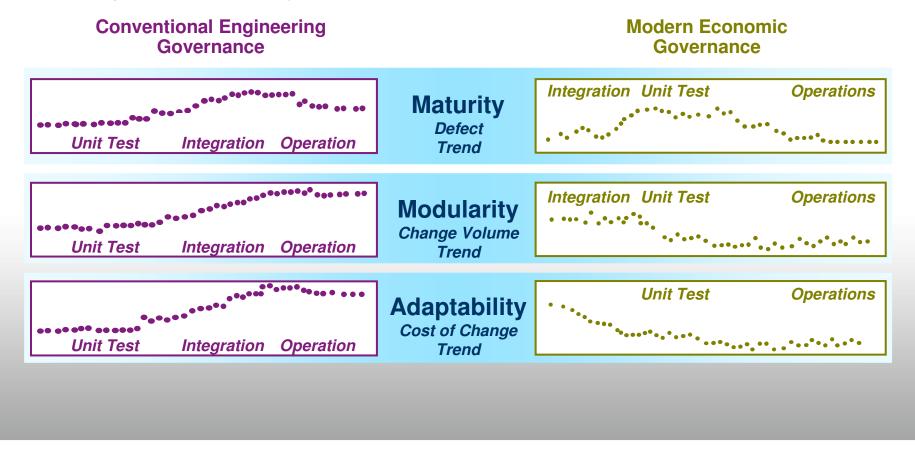
- Act now to transform your software and systems delivery
- Start today and leverage Innovate to the maximum
- Post Innovate: Benefit from our experience!



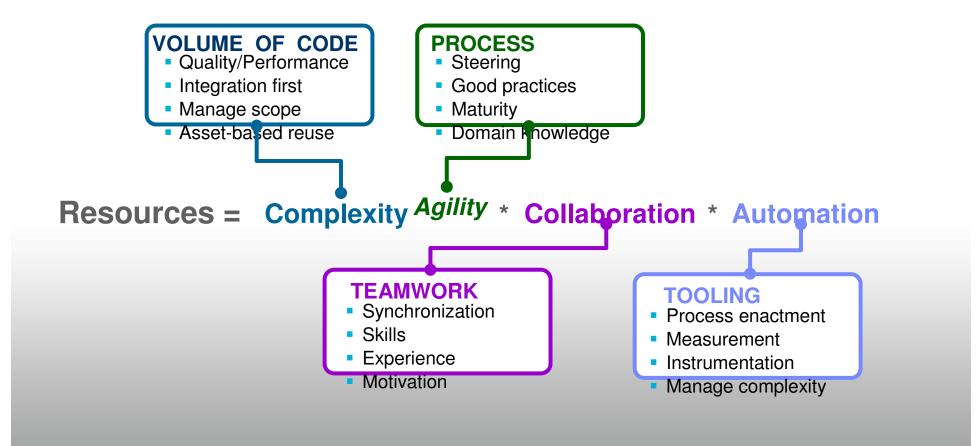
Measured Improvement: *Progress Econometrics*



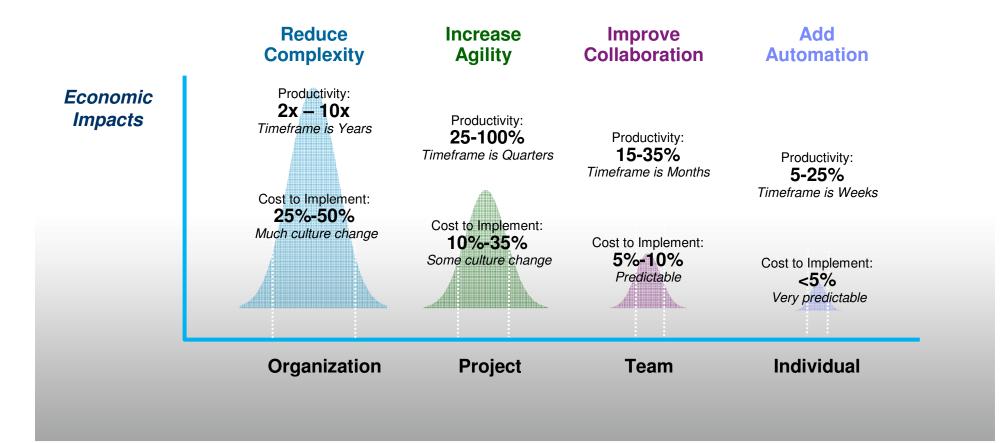
Measured Improvement: <u>Quality</u> Econometrics



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

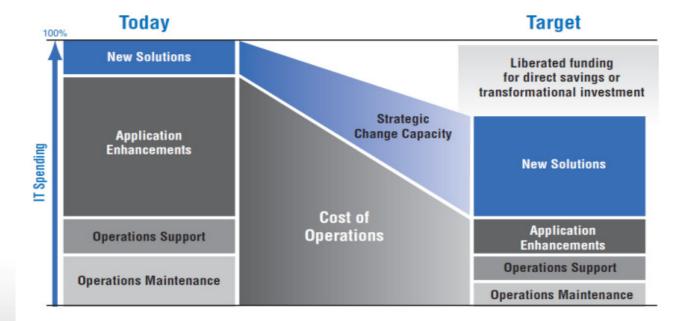
- Tightly coupled architectures
- Unwarranted complexity
- Technology proliferation

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

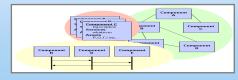
Professional Blueprint

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

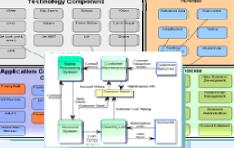


Impact Analysis

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



Enterprise Arch

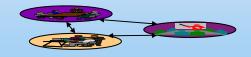


Frameworks/Standards

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

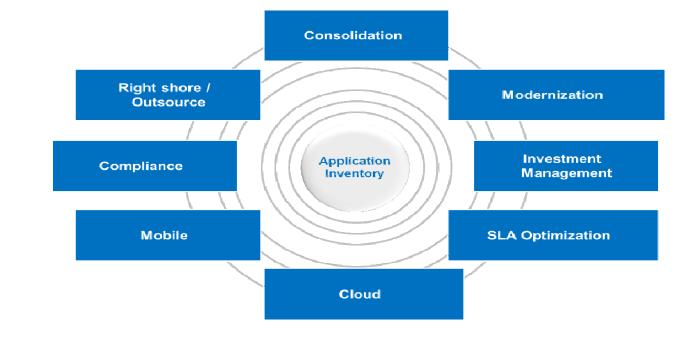
Actionable Arch.

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



IBM Rational Focal Point





Create Inventory

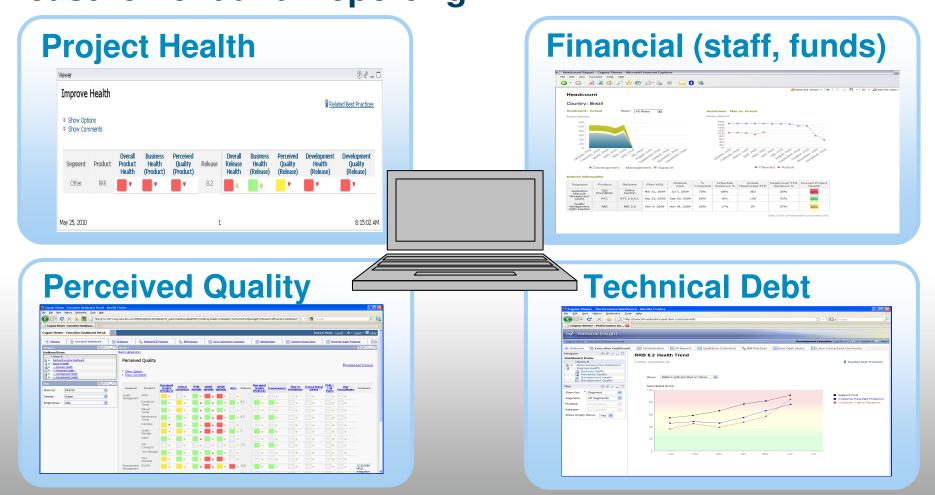
- Import existing spreadsheets
- Use tool to capture info
- Automatic feeds
- Single source of Truth

Analyze Business / IT Value

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

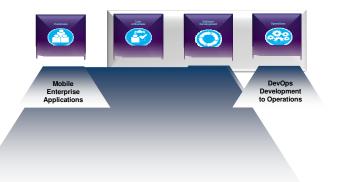
Recommendations

- 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

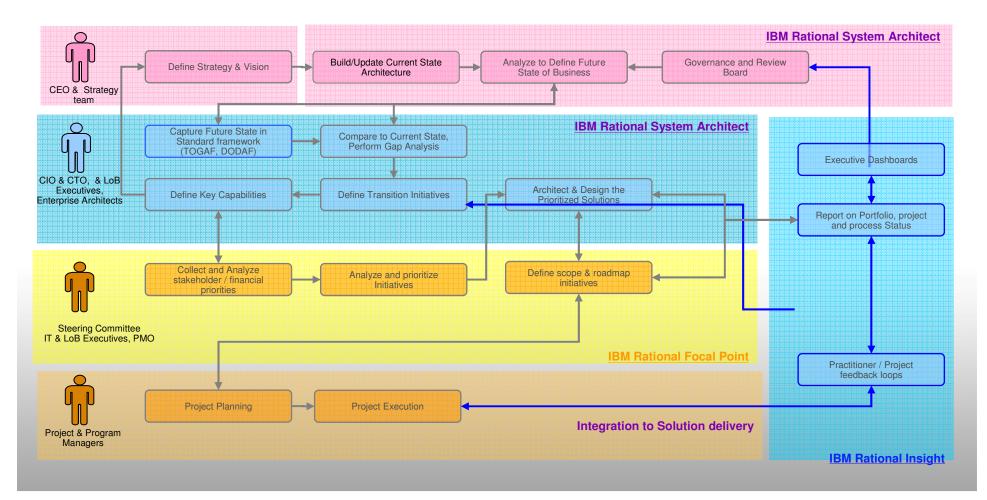
Portfolio Management

- 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