iTKO Overview

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iTKO
Jan. 13, 2009

iTKO LISA™

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iTKO: Our Customer Mission

Enabling SOA Agility & Quality

in today's complex technology environments

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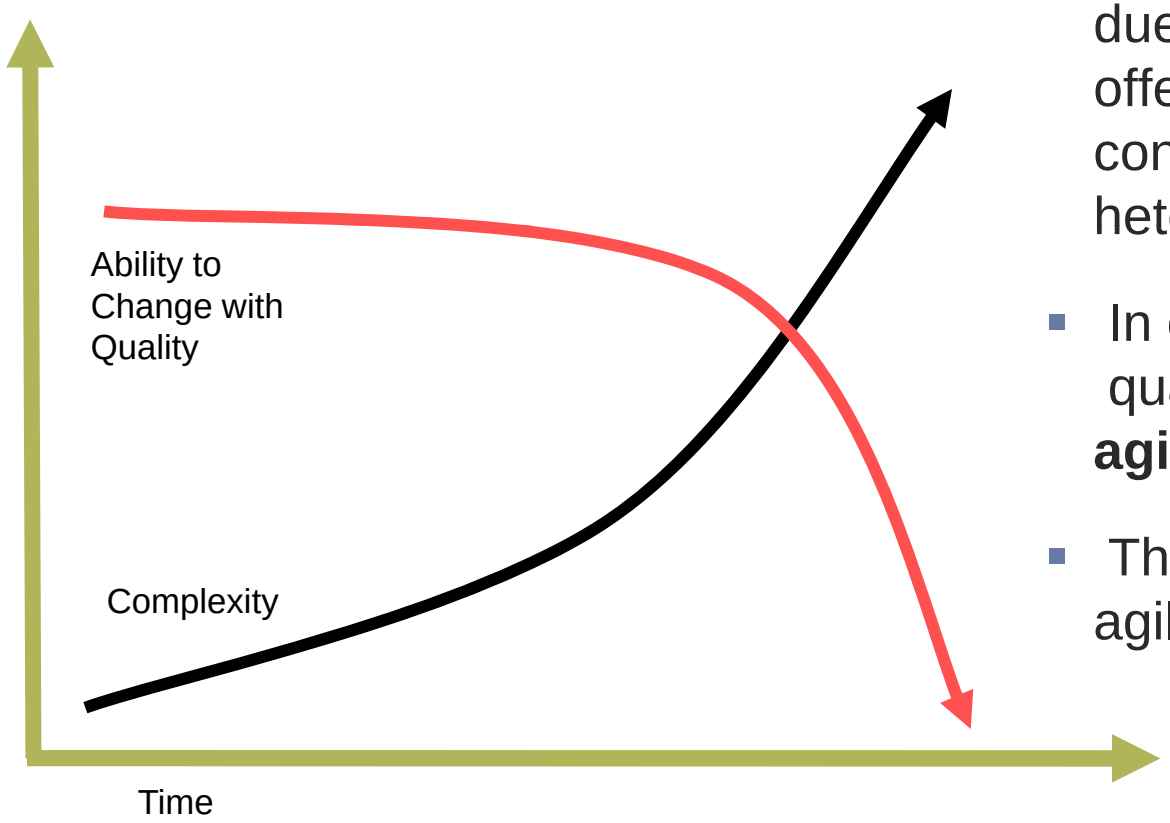
Challenge: Increased Complexity



- **Complexity is increasing** due to new business offerings, compliance, consolidation, & support of heterogeneous technologies
- In order to maintain quality and avoid risk - **agility gets reduced**
- This limits your company's agility and competitiveness

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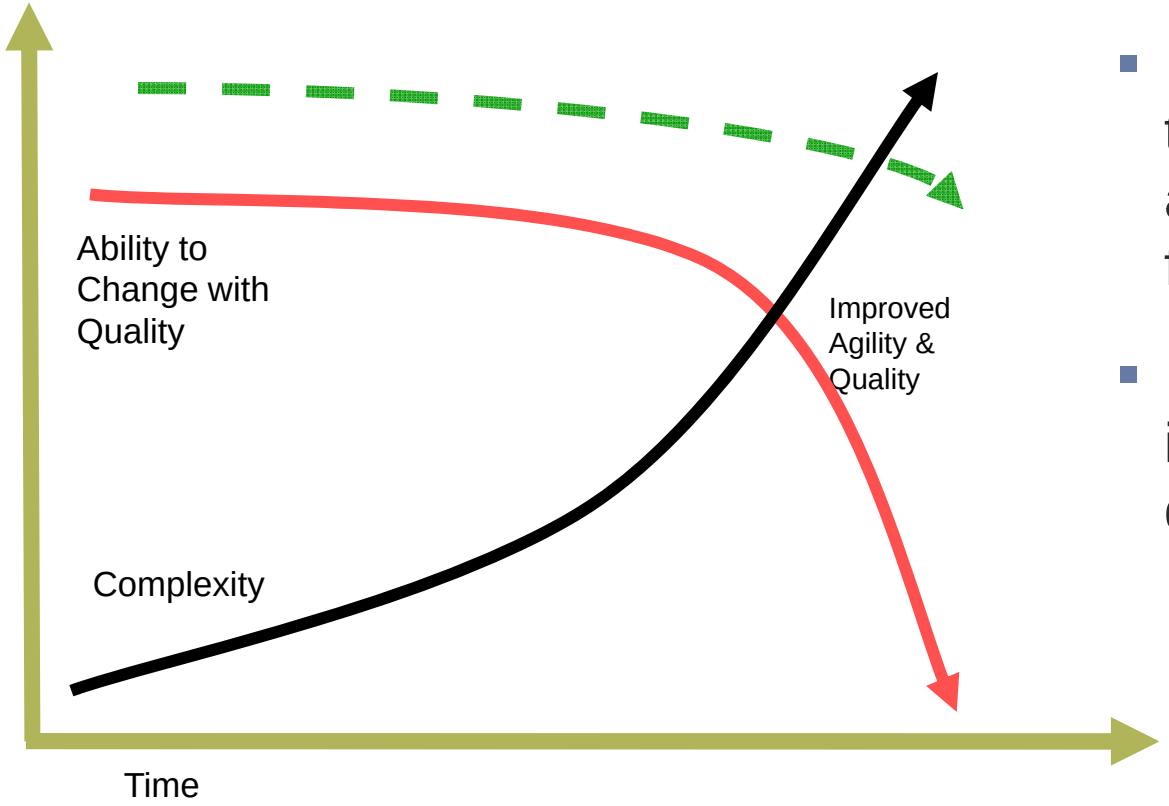
The Goal: Enable Agility & Quality



- Increased Revenue due to faster time-to-market and reduced customer failures
- Reduced costs and increased efficiency of development and testing

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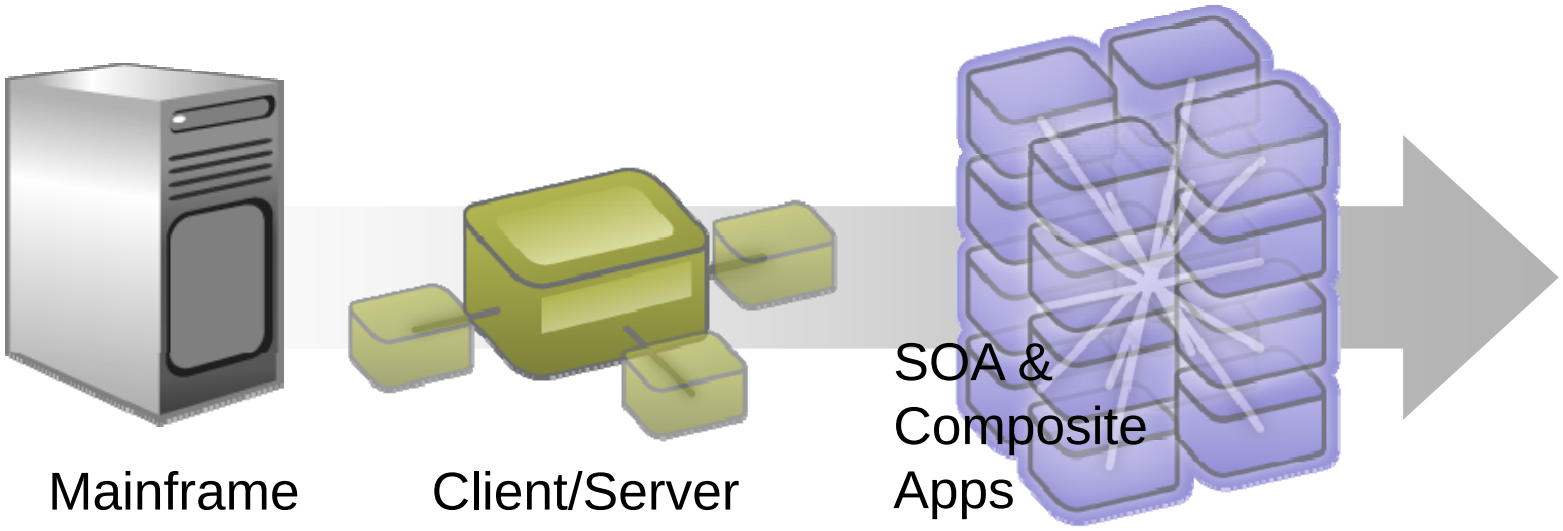
Specific Issues to Resolve

- **Inadequate Testing:** Traditional testing techniques cannot automate testing against component and middleware-based workflows
- **Unintended Consequences:** Individual components and technologies are changing at their own pace and can create severe issues within business processes
- **Dependency on Constrained Systems:** Access and capacity constraints on key systems greatly reduces agility



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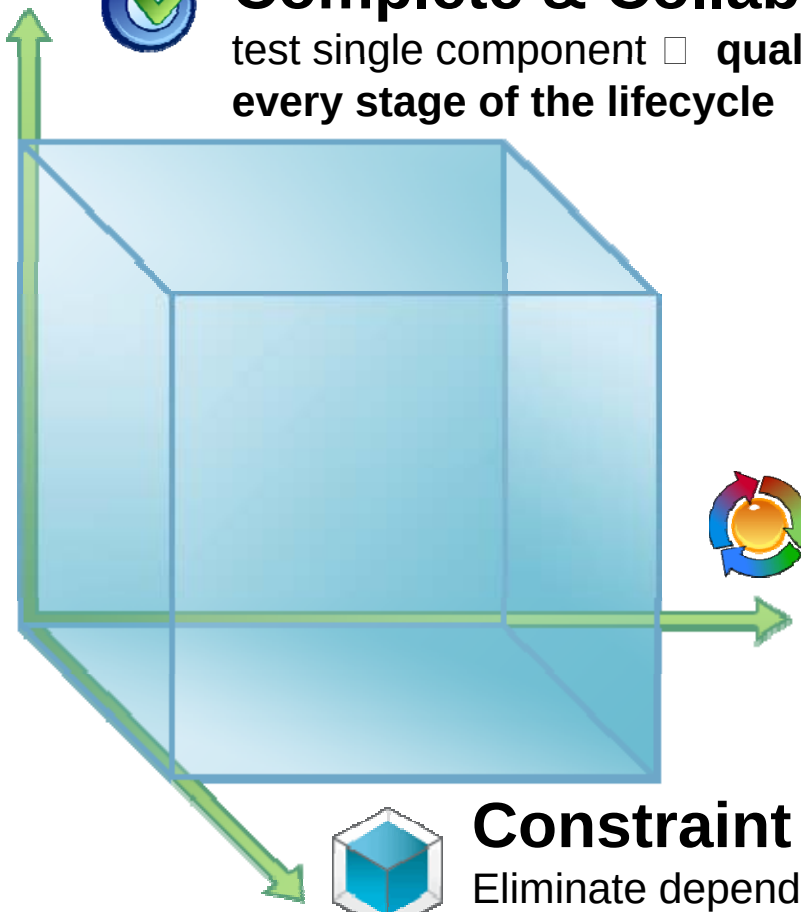
Strategy: The 4C's

Quality & Agility for Complex Environments



Complete & Collaborative Testing

test single component **quality for all technologies, every stage of the lifecycle**

Continuous Validation

Phased tests **constant validation of business processes and services**

Constraint Virtualization

Eliminate dependencies **parallel development, shared resources, and data**

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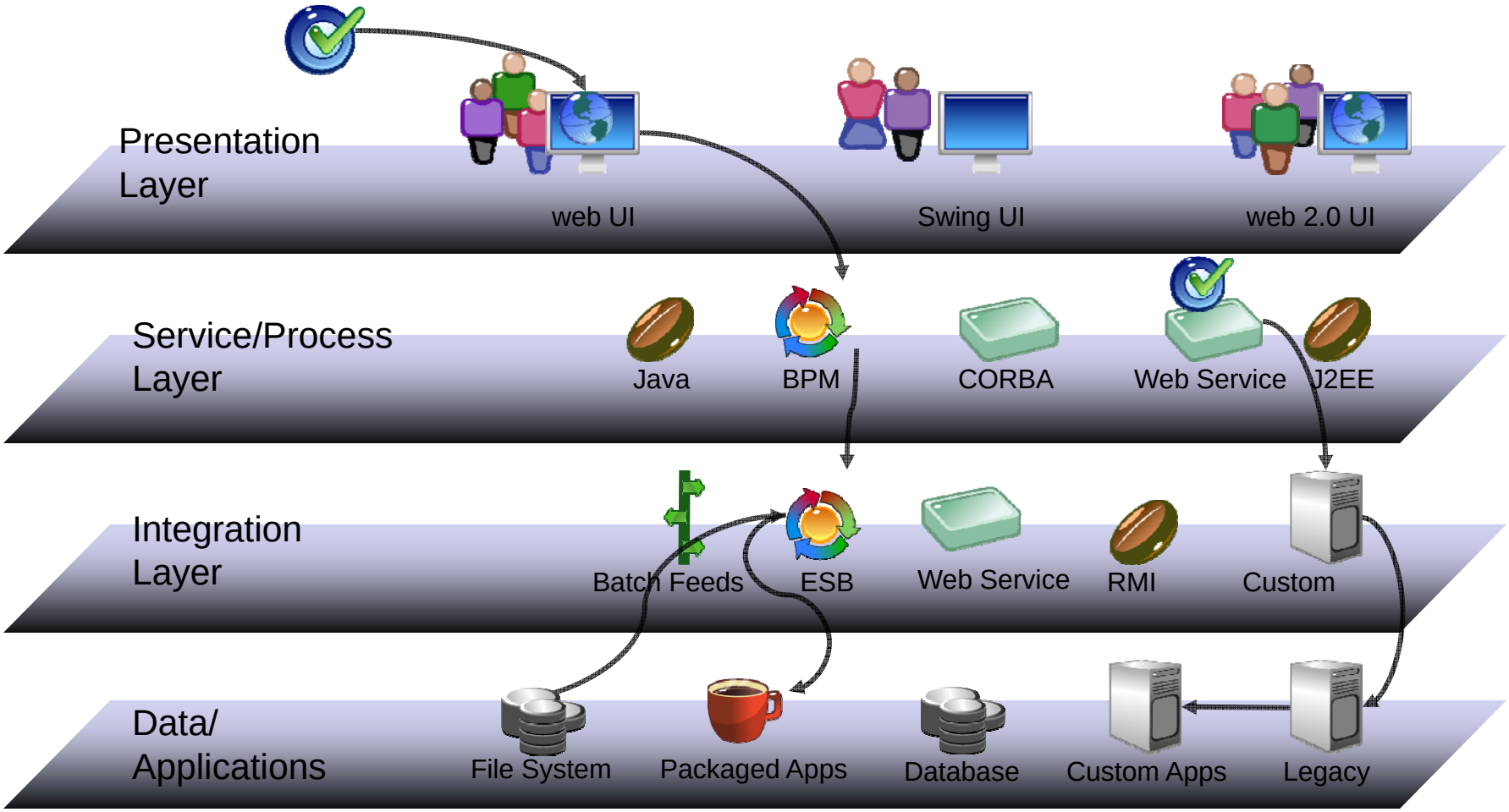
Complete & Collaborative Testing

Technology Coverage at Every Tier



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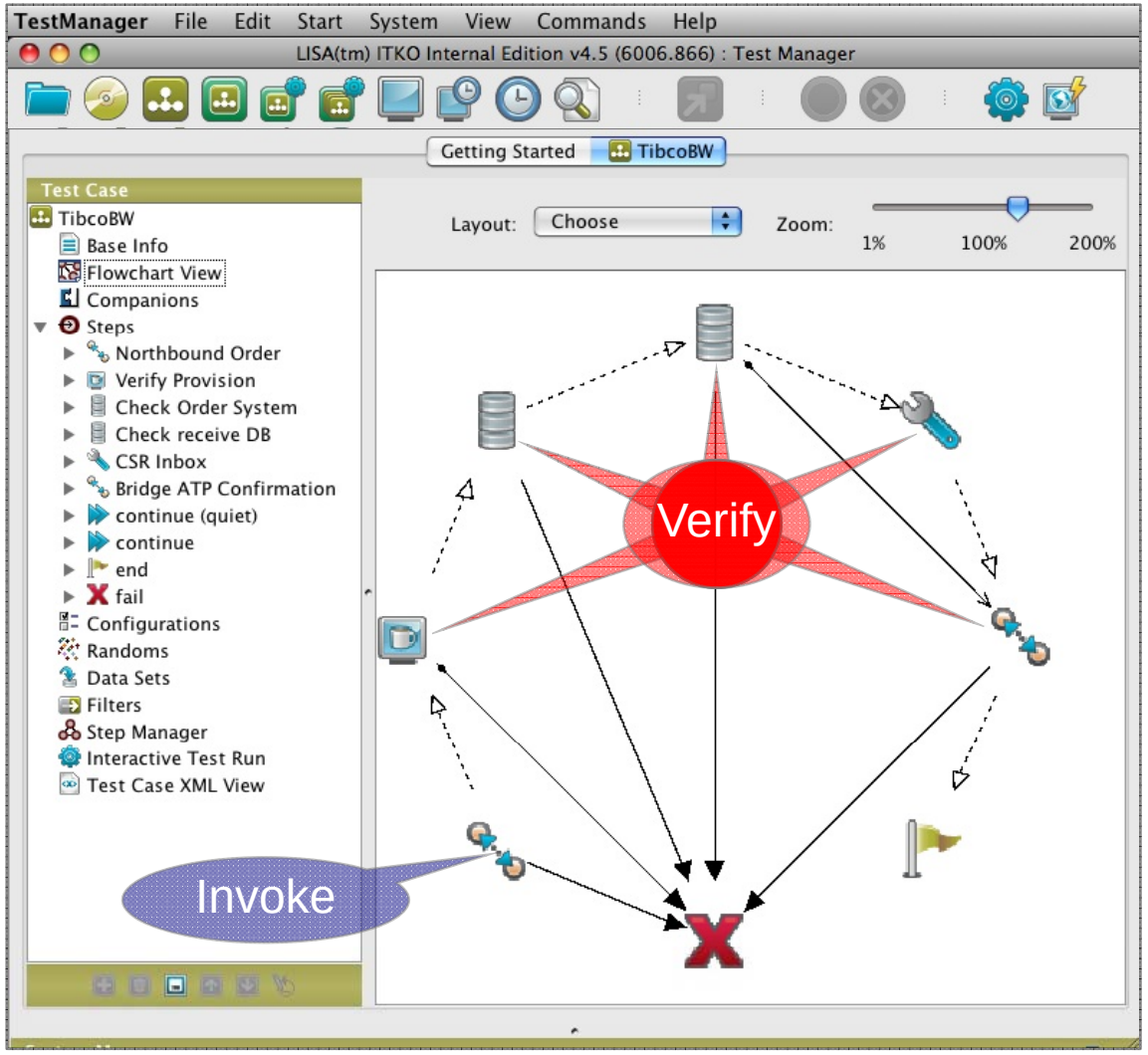
Complete & Collaborative Testing

Invoke BP Model, Verify Outcomes



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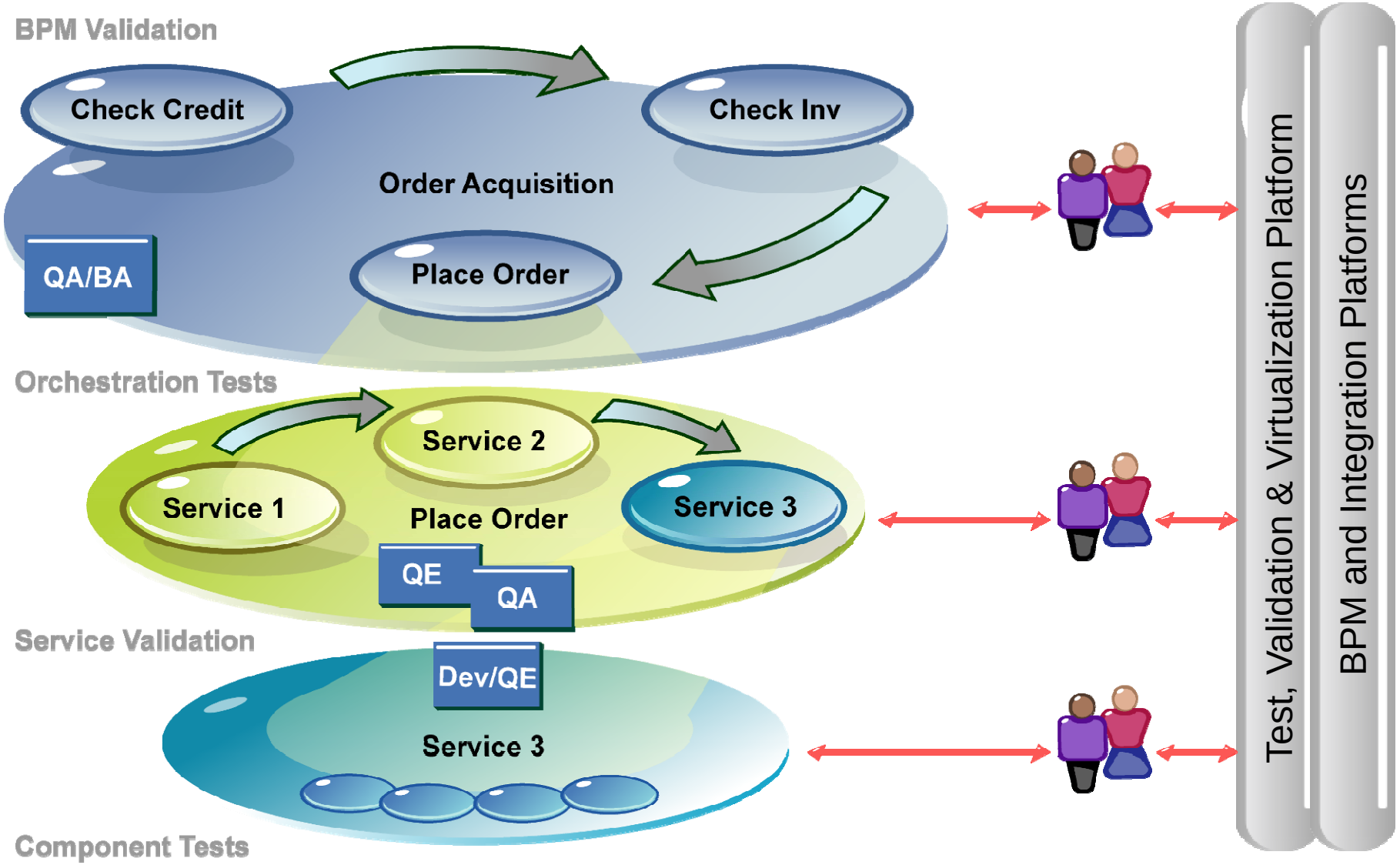
Complete & Collaborative Testing

Collaboration at Every Workflow Level



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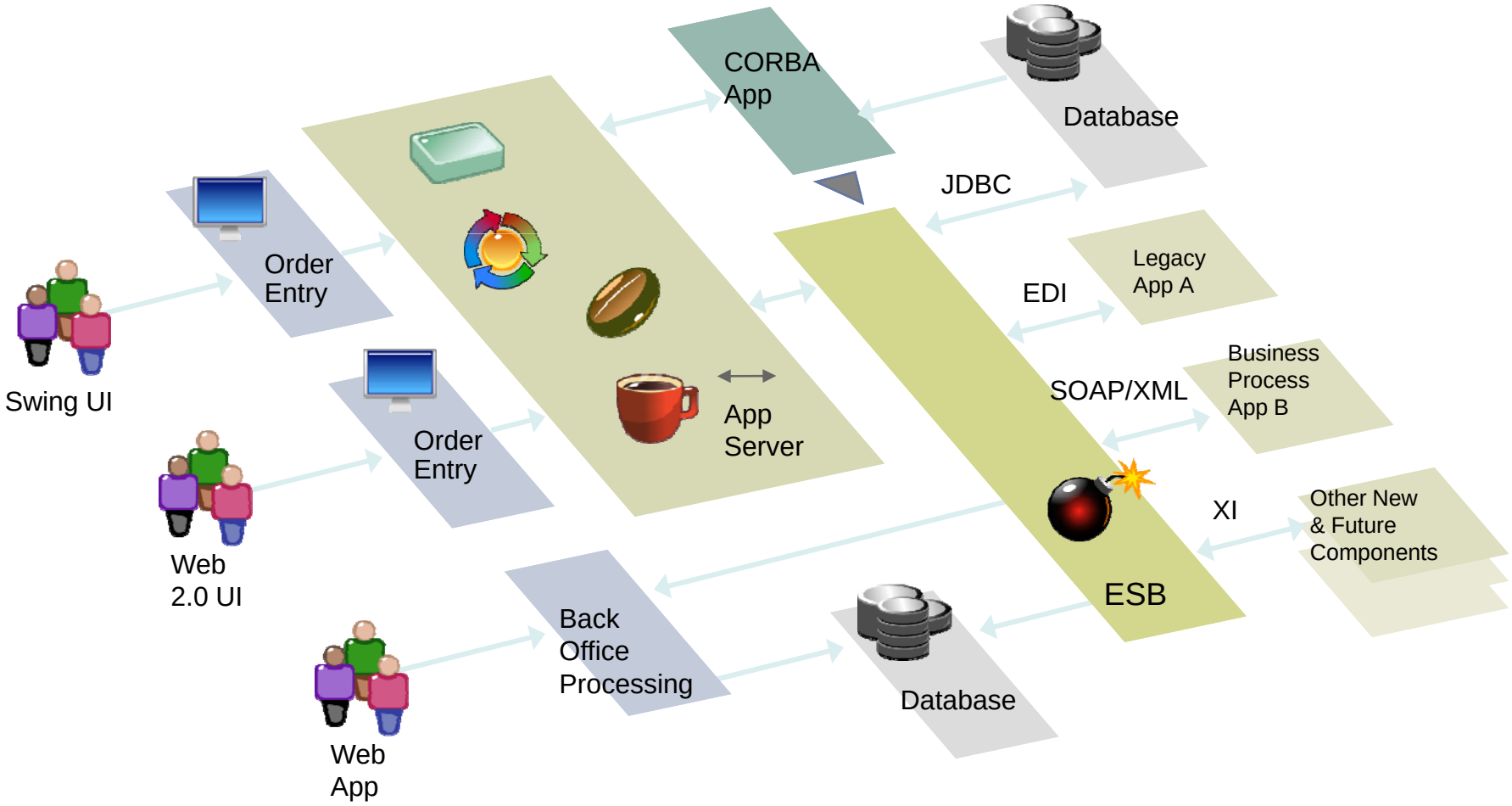
Complete & Collaborative Testing

Customer Example: Financial



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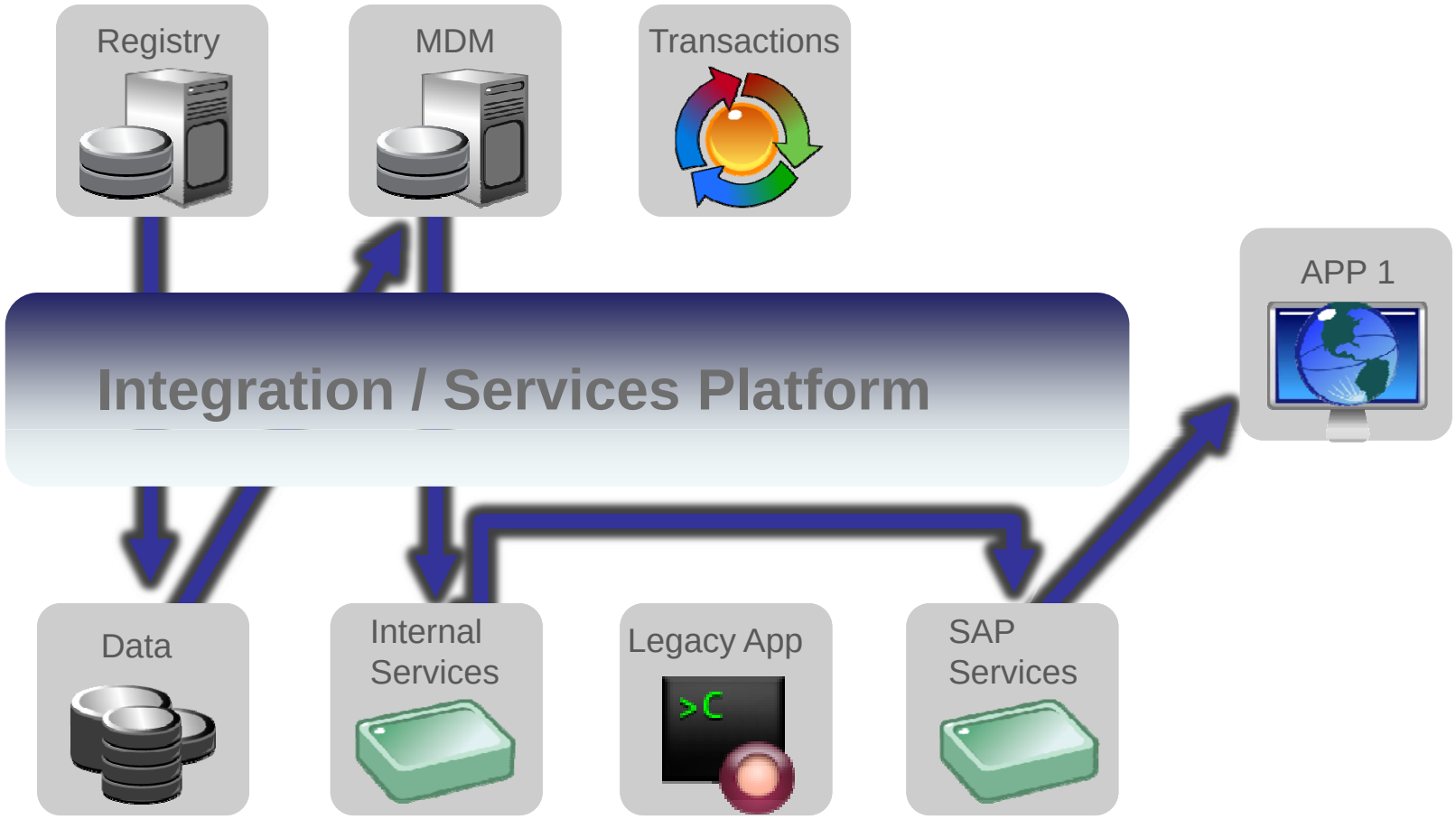
Continuous Validation:

Solve Unintended Consequences



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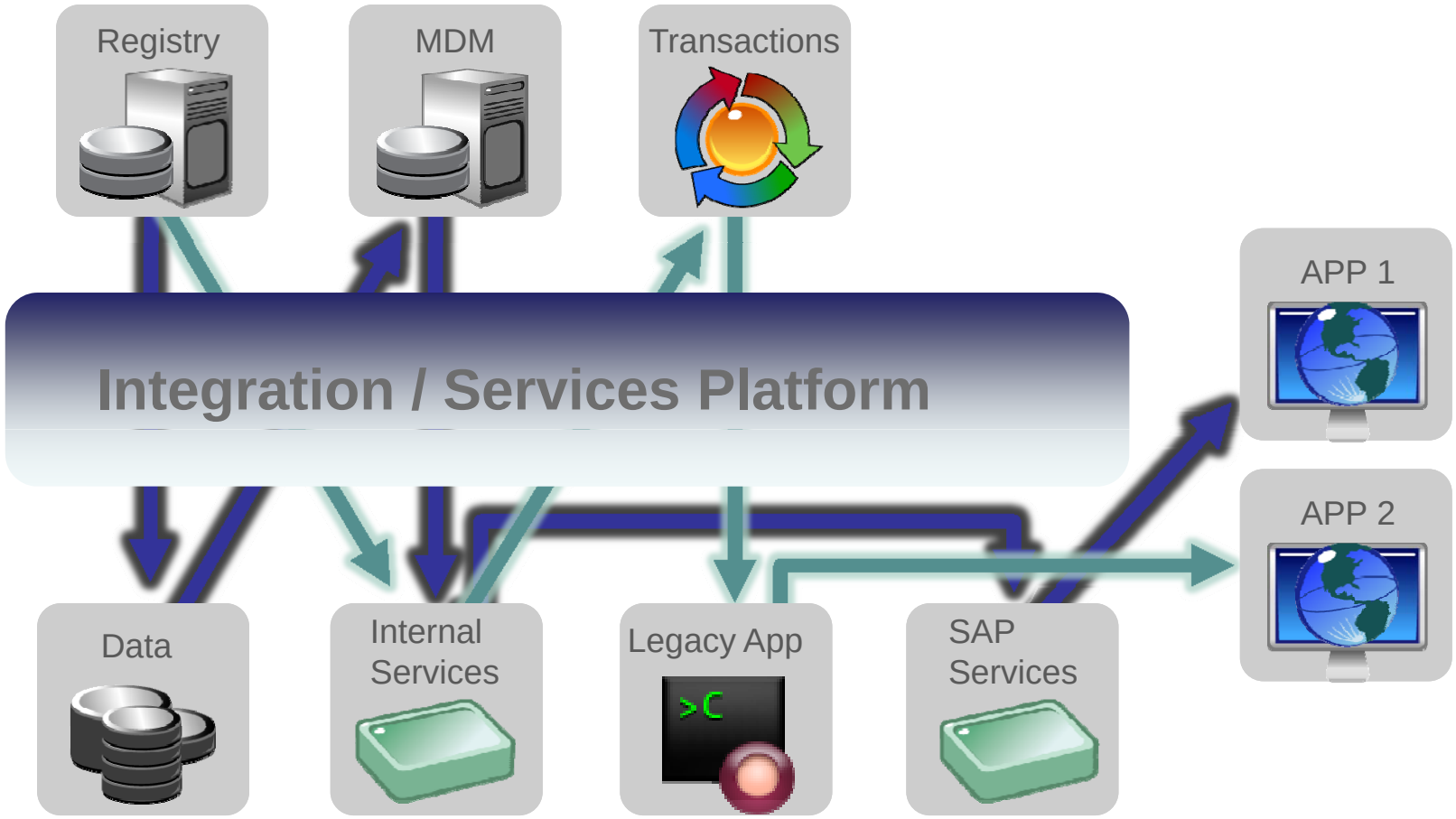

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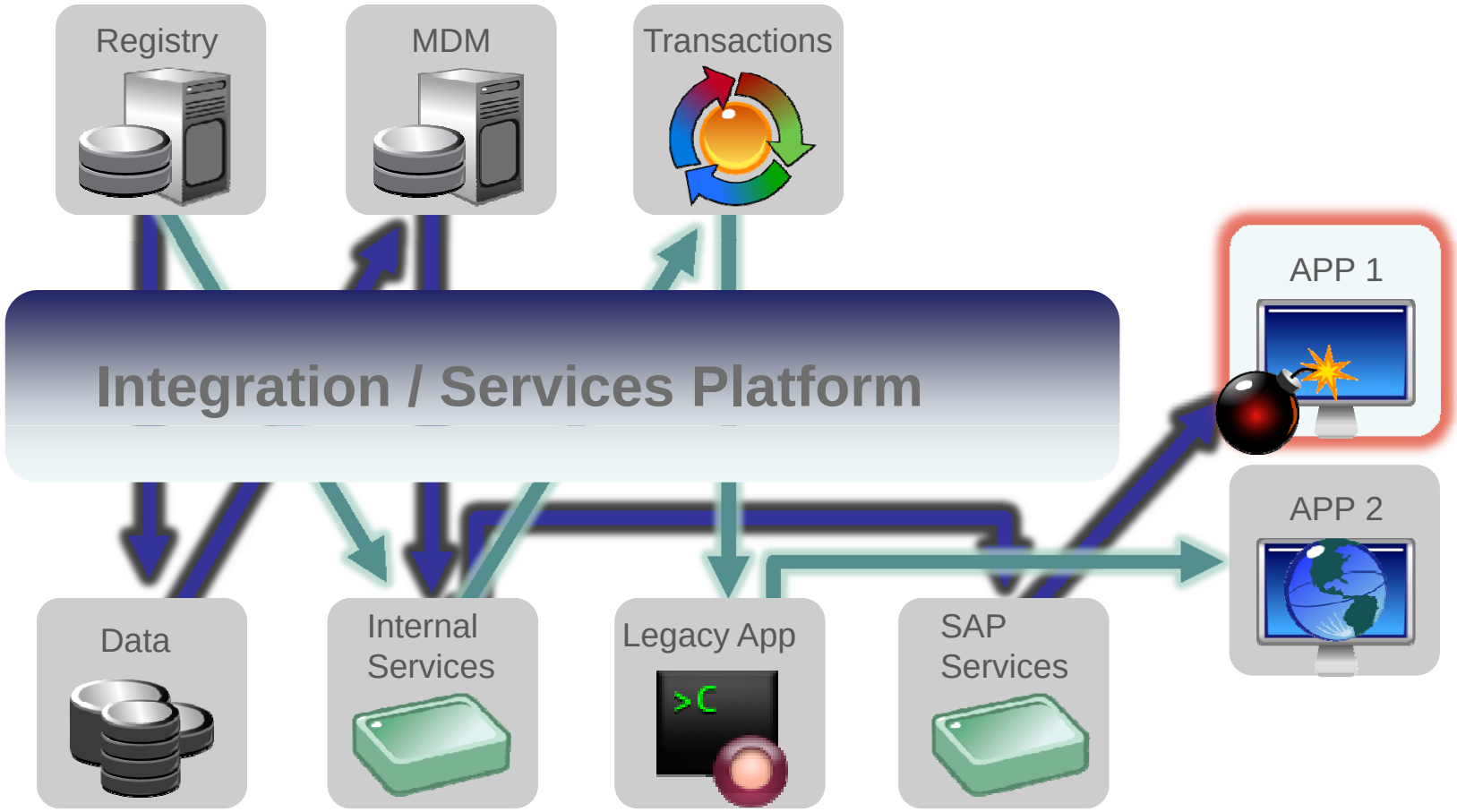

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Continuous Validation:

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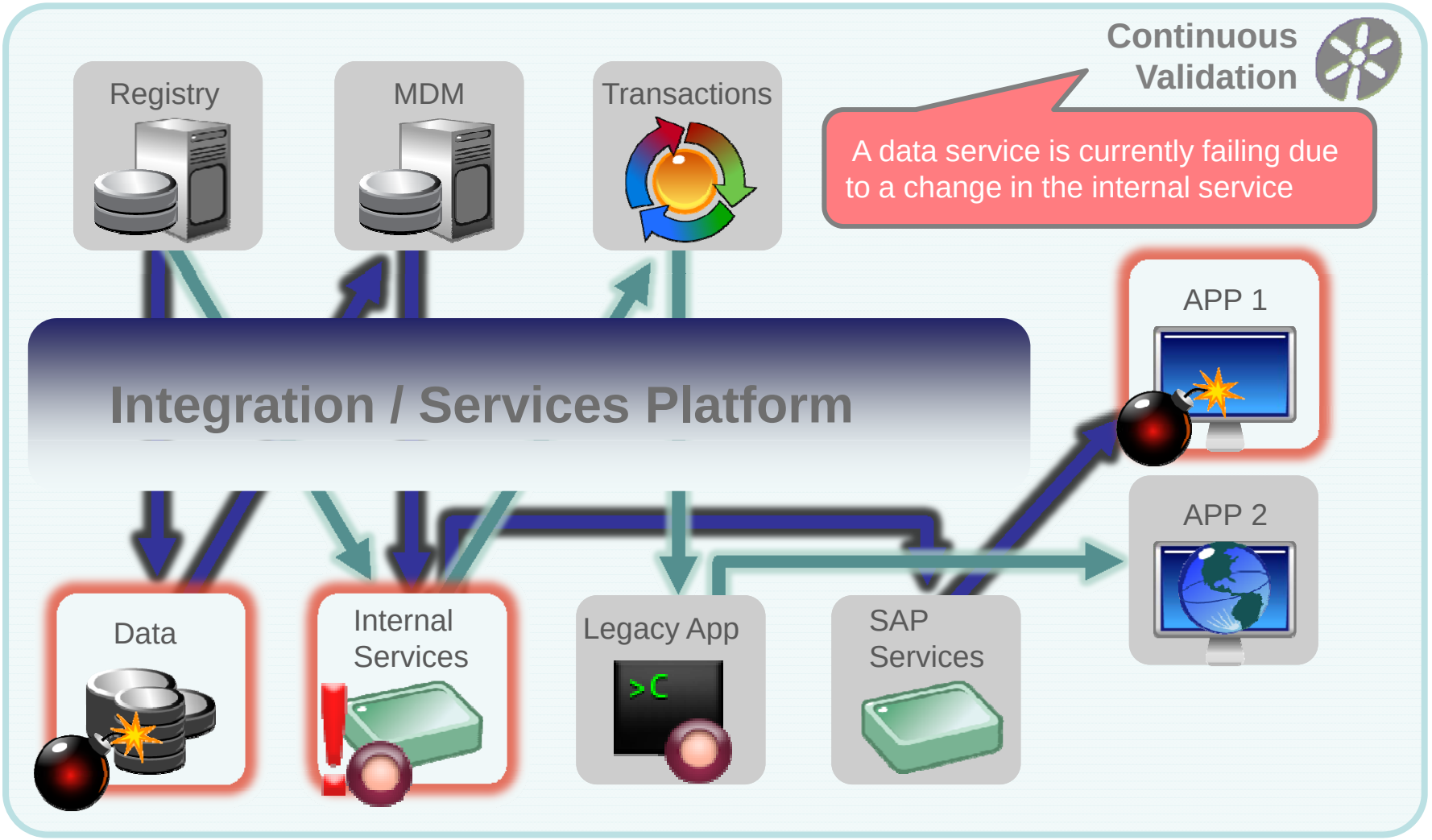

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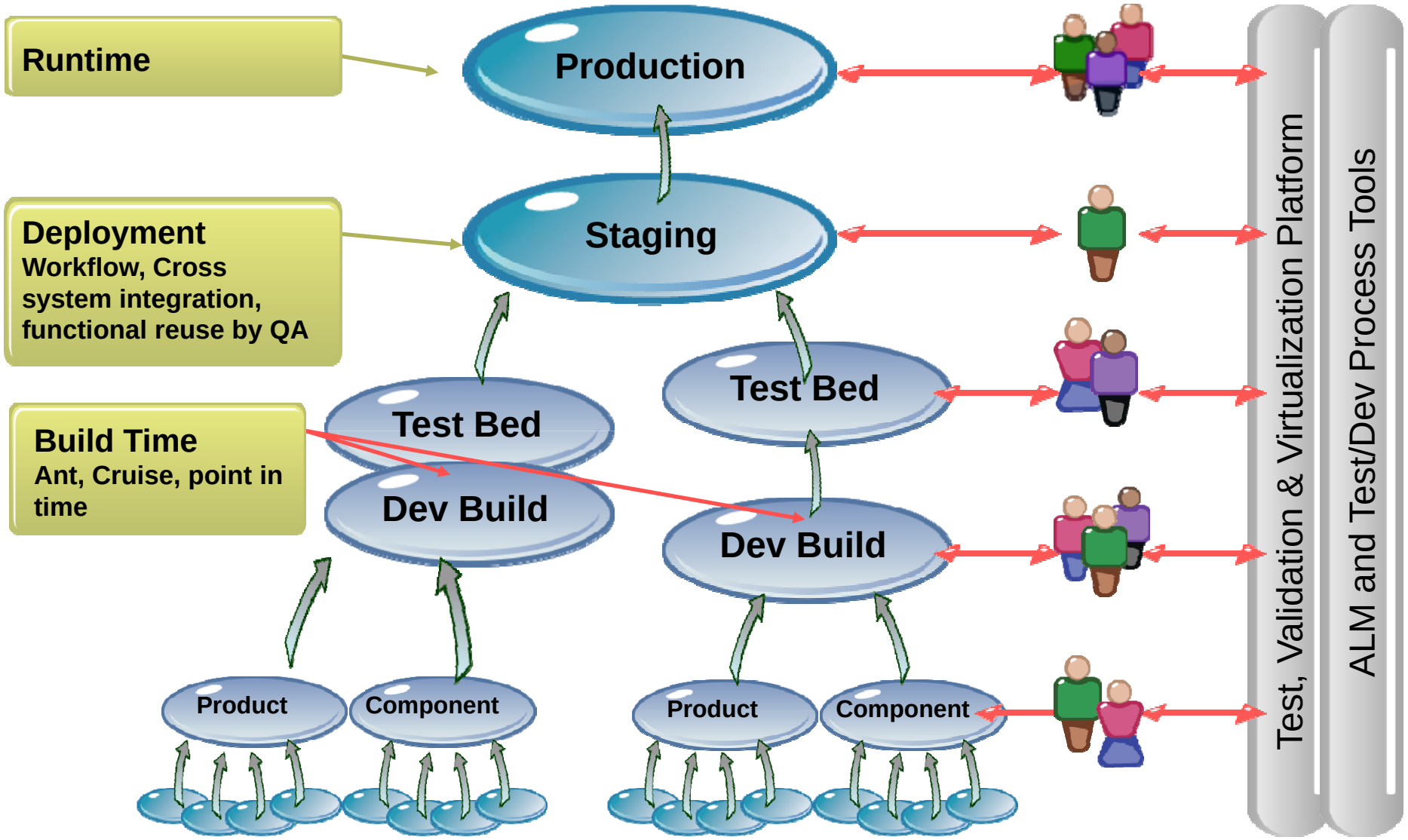
Continuous Validation



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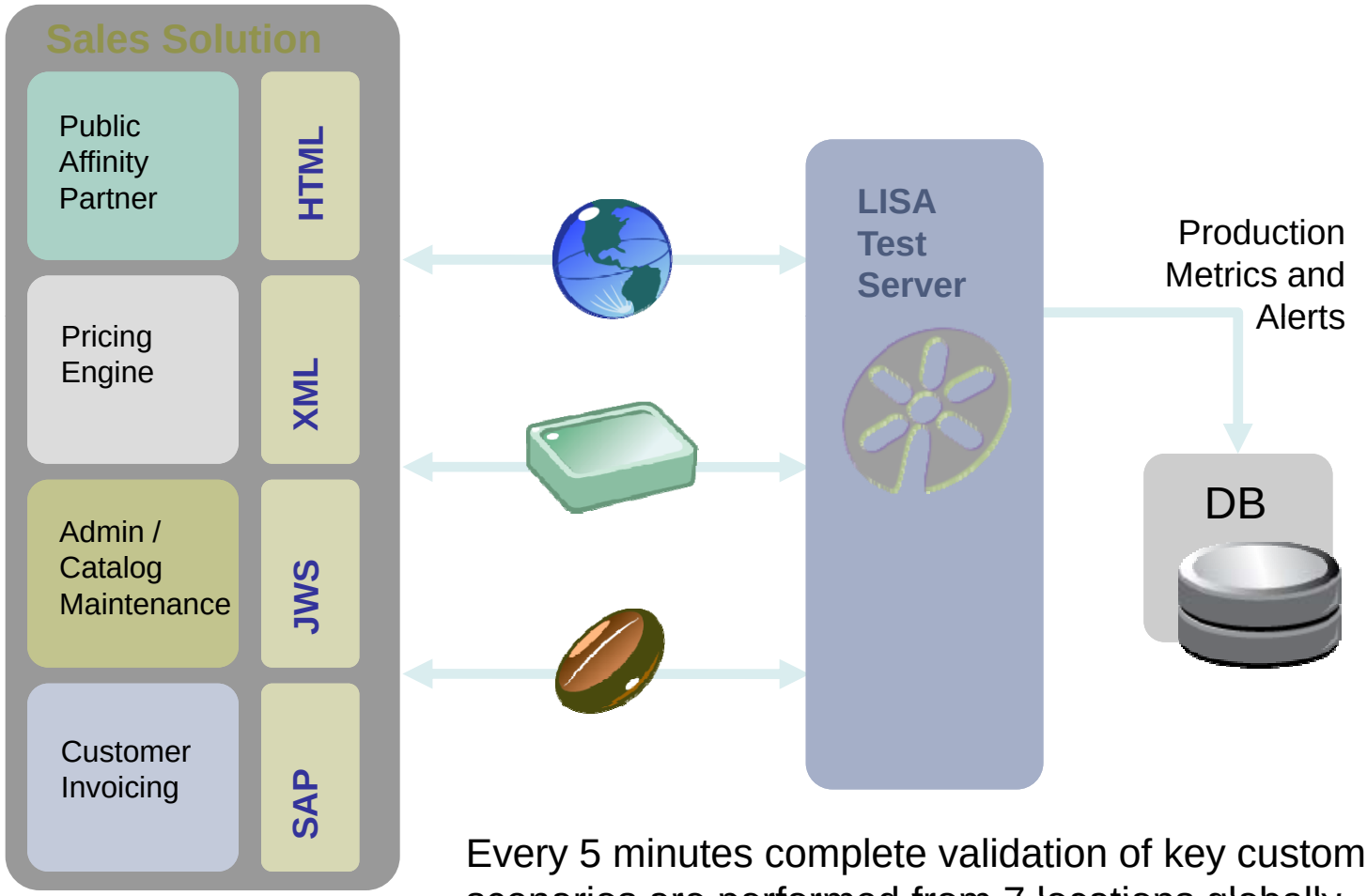
Continuous Validation

Customer Example: High-Tech Manufacturer



Every 5 minutes complete validation of key customer scenarios are performed from 7 locations globally. Even sub-component interactions are confirmed, like order queuing to customer service and order placement

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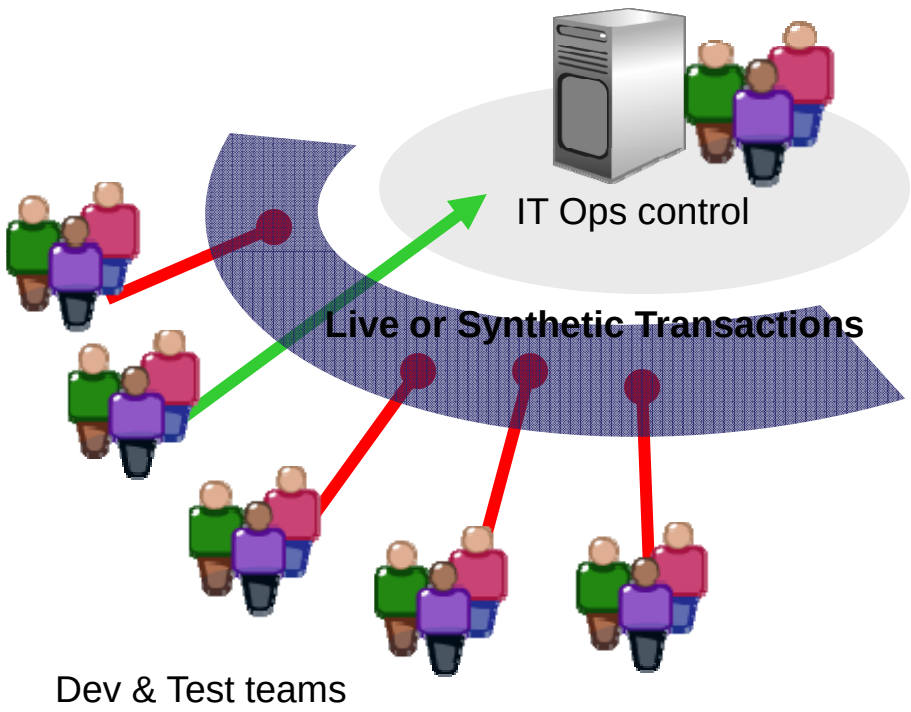
Constraint Virtualization

Removing dependencies in the SOA lifecycle



Teams need loose coupling too!

- Dependencies in the deployed system manifest as significant team-to-team constraint issues.
- Teams compete for shared platforms and unavailable, incomplete components, blocking agile and parallel development.
- Data volatility and inconsistency constrains development, quality, and performance validation.

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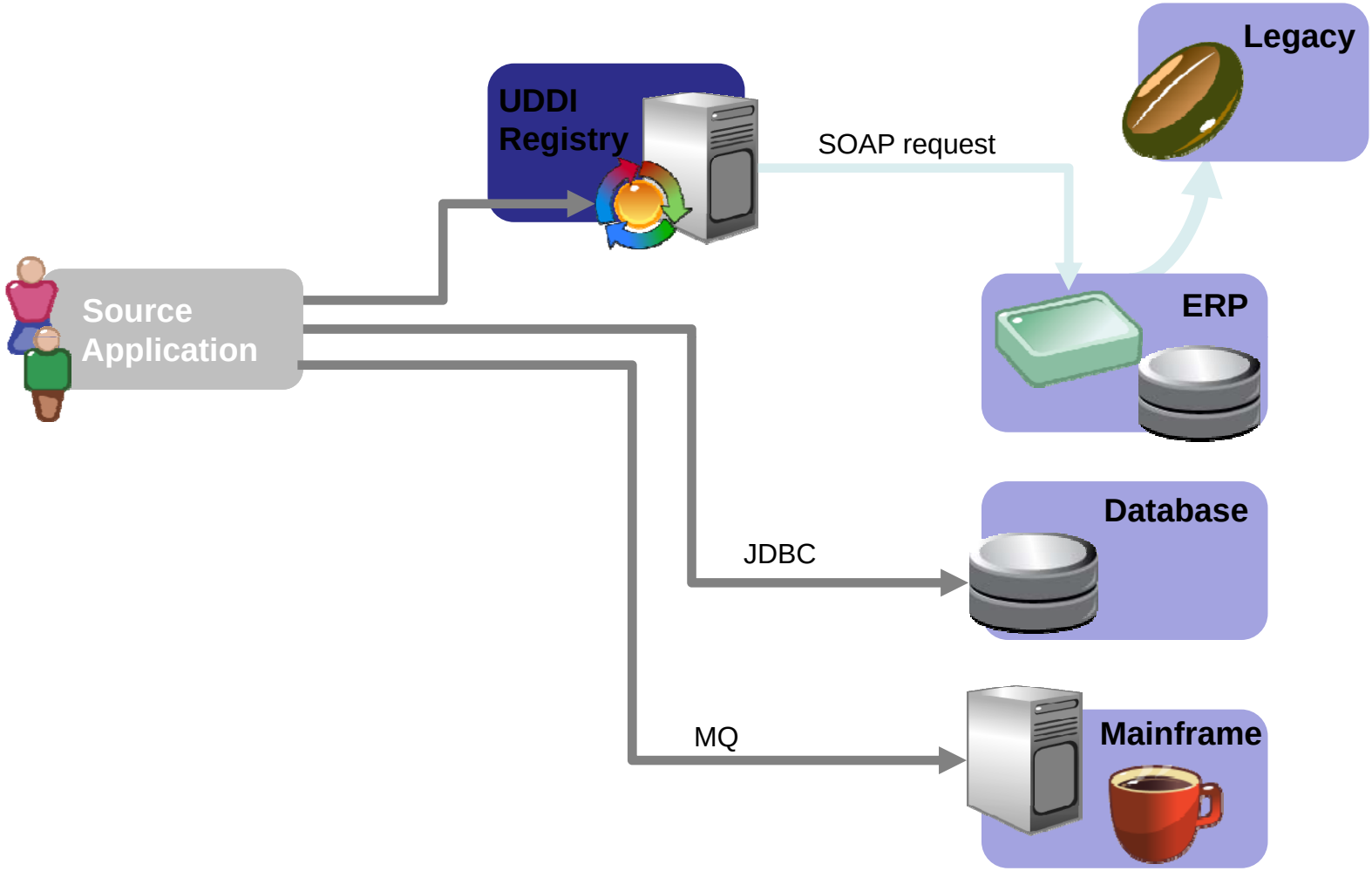
Constraint Virtualization:

Current Environment



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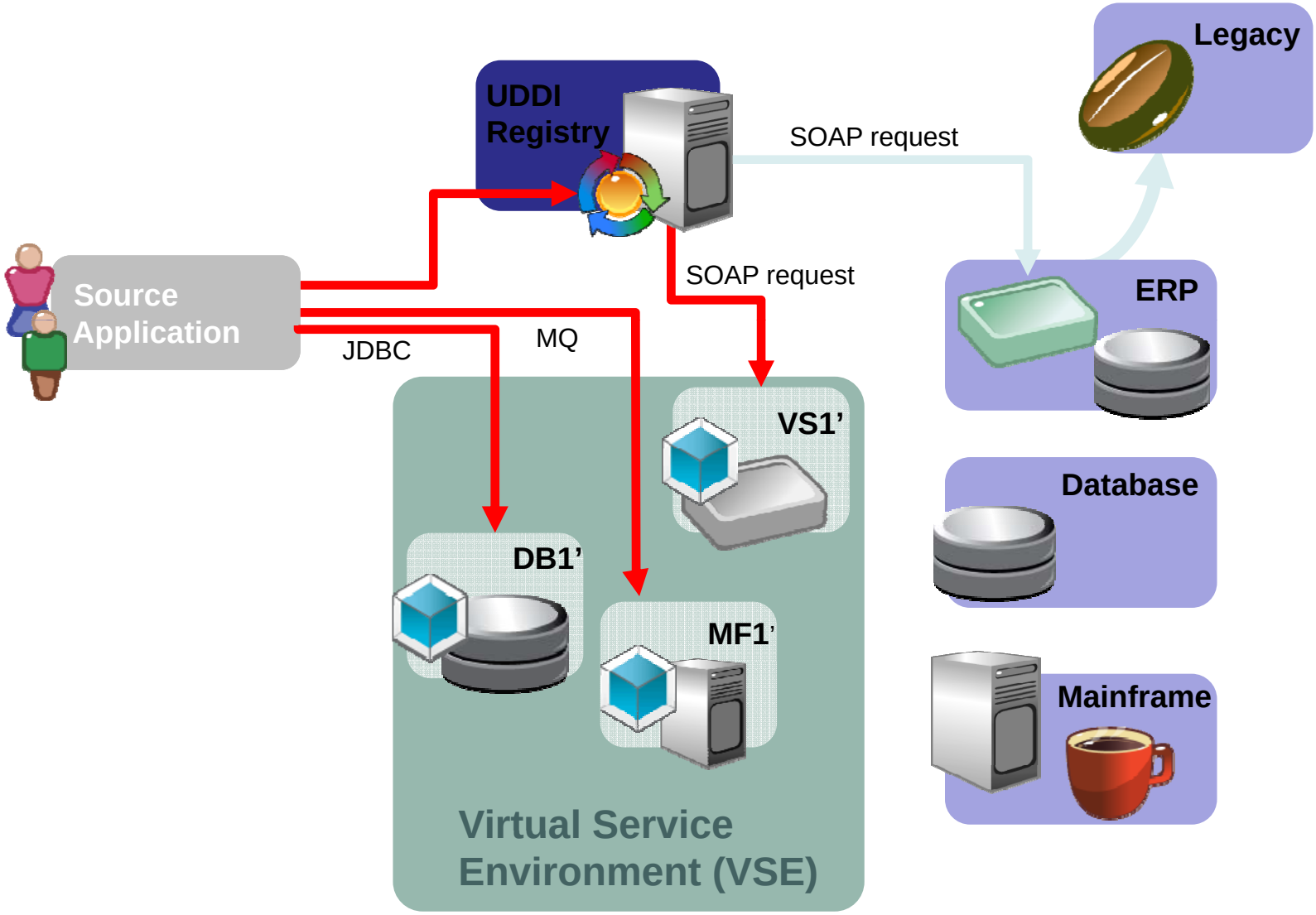
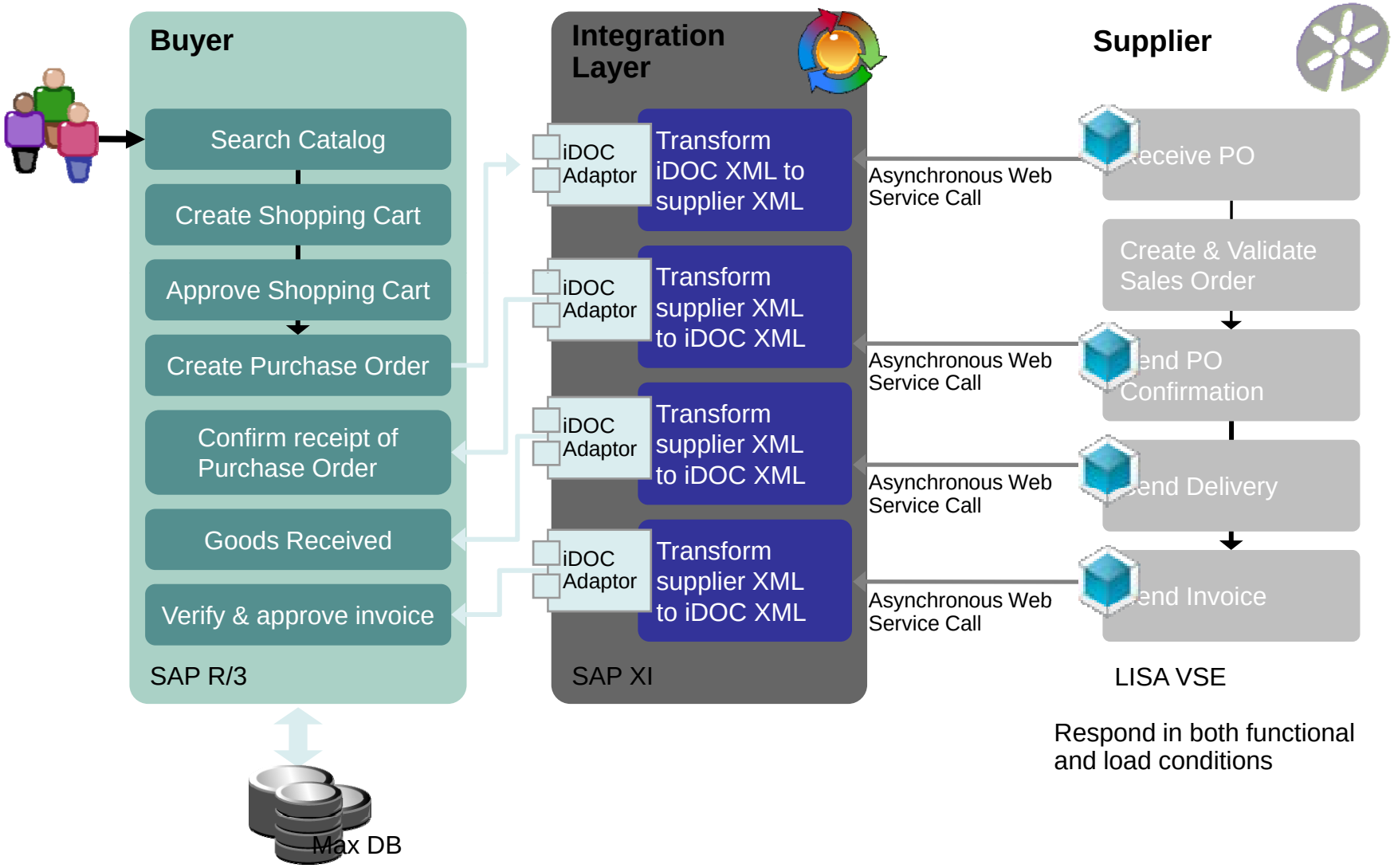
Constraint Virtualization:

Dependent Systems Virtualized



Constraint Virtualization:

Procure to Pay (P2P) Process: Simulating Supplier



Respond in both functional and load conditions

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Our Solution: iTKO LISA

Increasing Agility & Quality for Complex, Changing IT Environments

LISA Test

Functional Testing

Agile Regression Testing

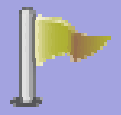
Load & Performance Testing

LISA Extensibility Kit

LISA Validate

Workflow Pathfinder

Continuous Monitoring



SOA Policy Validation

IT Operations Metrics

LISA Virtualize

Service Simulation

Behavioral Modeling

Performance Environment

Virtual Service Management

LISA Foundation

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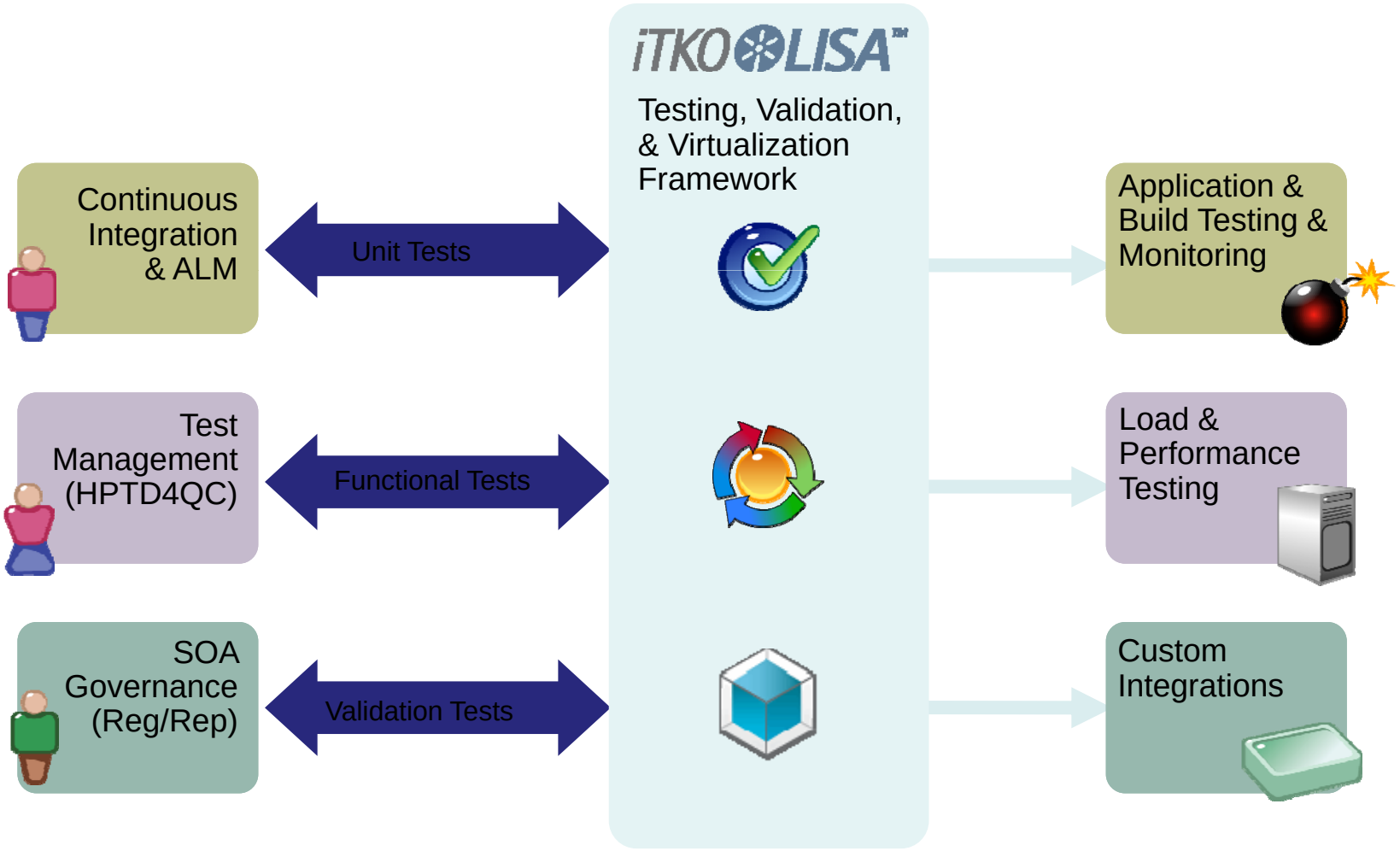
Integration with your Environment

Reuse Testing, Development & Process Solutions



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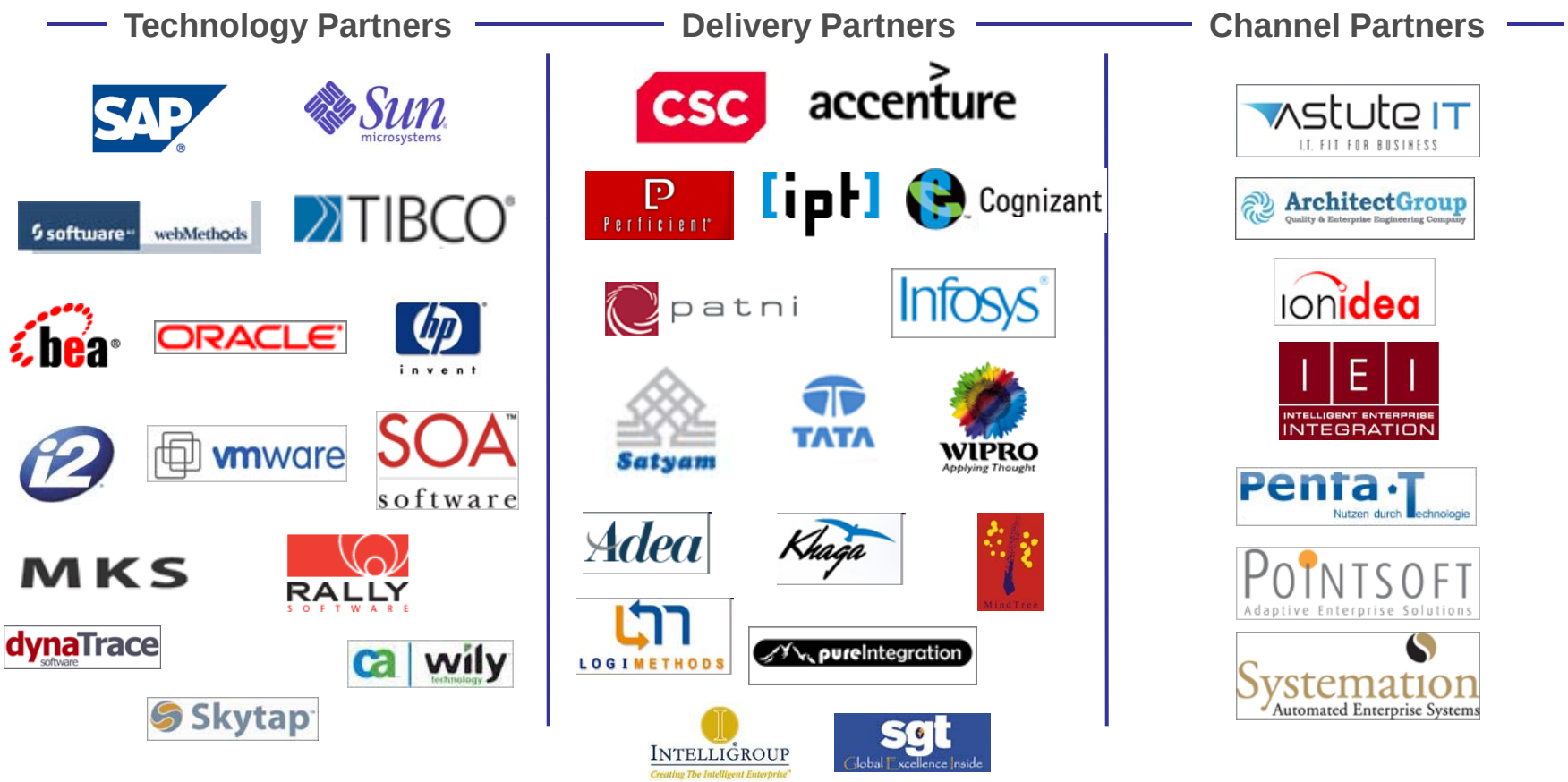
iTKO LISA: Our Ecosystem



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Summary

- **Inadequate Testing:** iTKO LISA provides out of the box solution for business process validation and heterogeneous SOA applications
- **Unintended Consequences:** Validation across the SDLC from development to integration, through production, with one tool integrated into existing infrastructure.
- **Dependency on Constrained Systems:** Removal of team constraints on key systems, increasing agility of SOA & integration processes.

For more info on LISA's SOA Testing, Validation & Virtualization capabilities and methodology:

- URL: http://www.itko.com
- Request an evaluation: sales@itko.com
- iTKO Blog: http://blog.itko.com
- Email: info@itko.com

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