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Applications in the Cloud?

Now How Do I Integrate Them Into My Business

Pierre Fricke

Director, SOA Products

Ken Johnson

Sr. Product Manager, SOA Products

Red Hat

May 5, 2011

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Discussion Points

- Applications everywhere – cloud, hybrid, on-premise
- Integration challenge
- Cloud requires SOA
- Integration in the cloud is evolutionary
- Governance
- Q/A



See Other Sessions For...

- Red Hat cloud strategy
- Red Hat IaaS
- Red Hat PaaS details
- Architecting your application for the cloud
- Multi-tenancy


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PLAN B ADD-ON PACKAGE B

PLAN C ADD-ON PACKAGE C

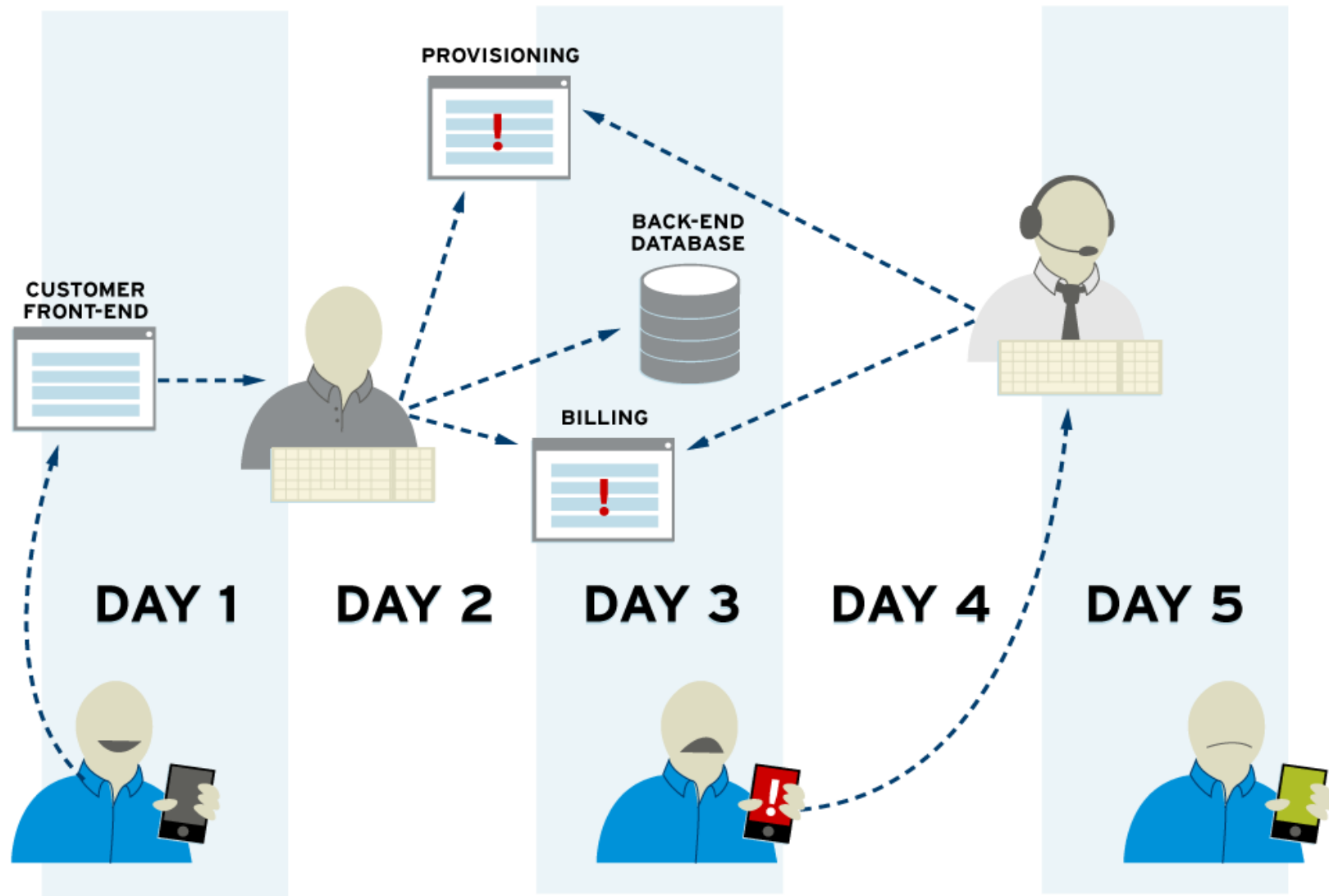
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Manual processes are slow and cause errors



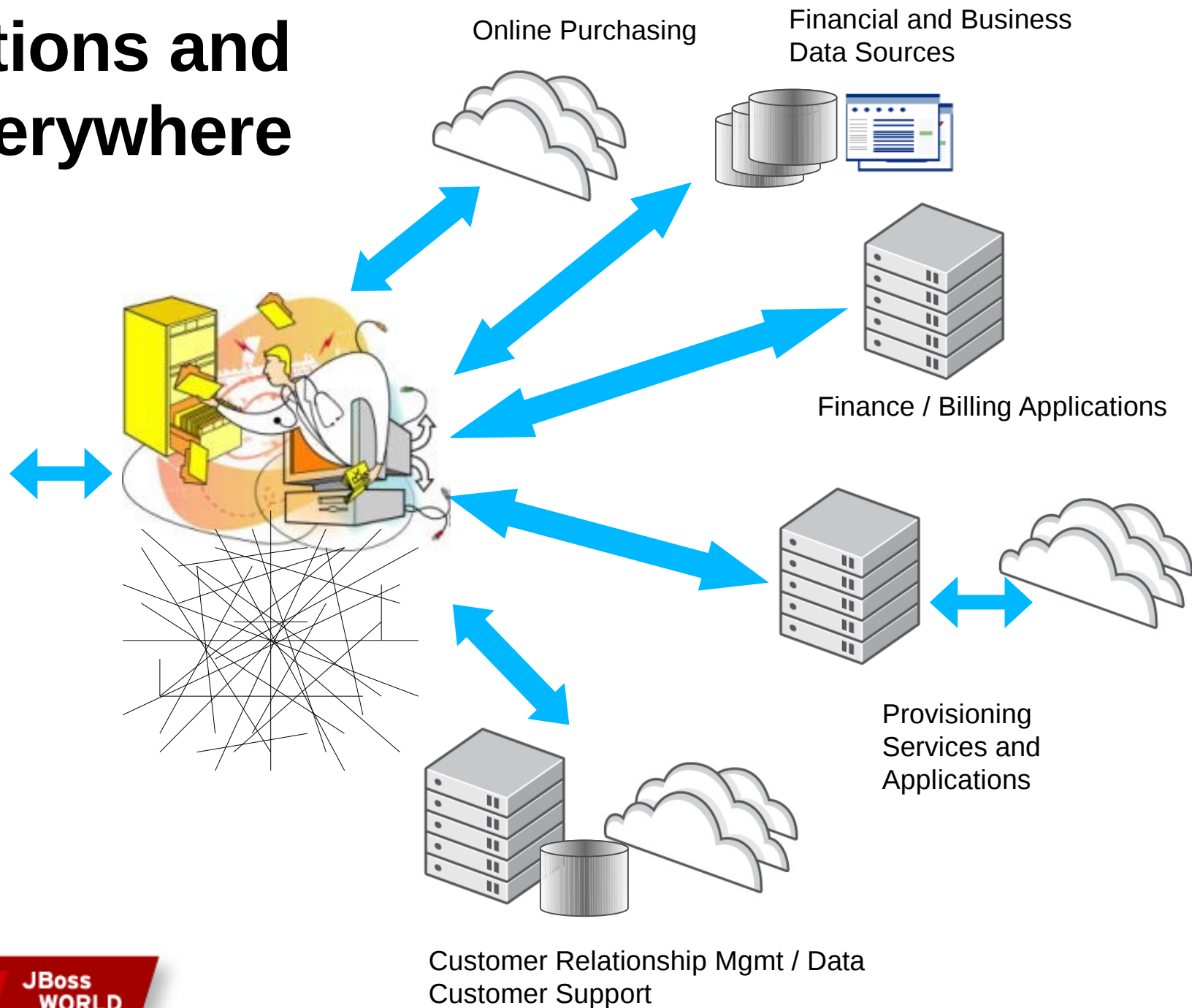
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Applications and Data Everywhere



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Service-Oriented Architecture

SOA – what is it?

- Design paradigm/philosophy
- Not any particular technology

SOA – why do it?

- Increase Agility
- Reduce Costs
- Increase flexibility/maintainability
- Reduce redundancy

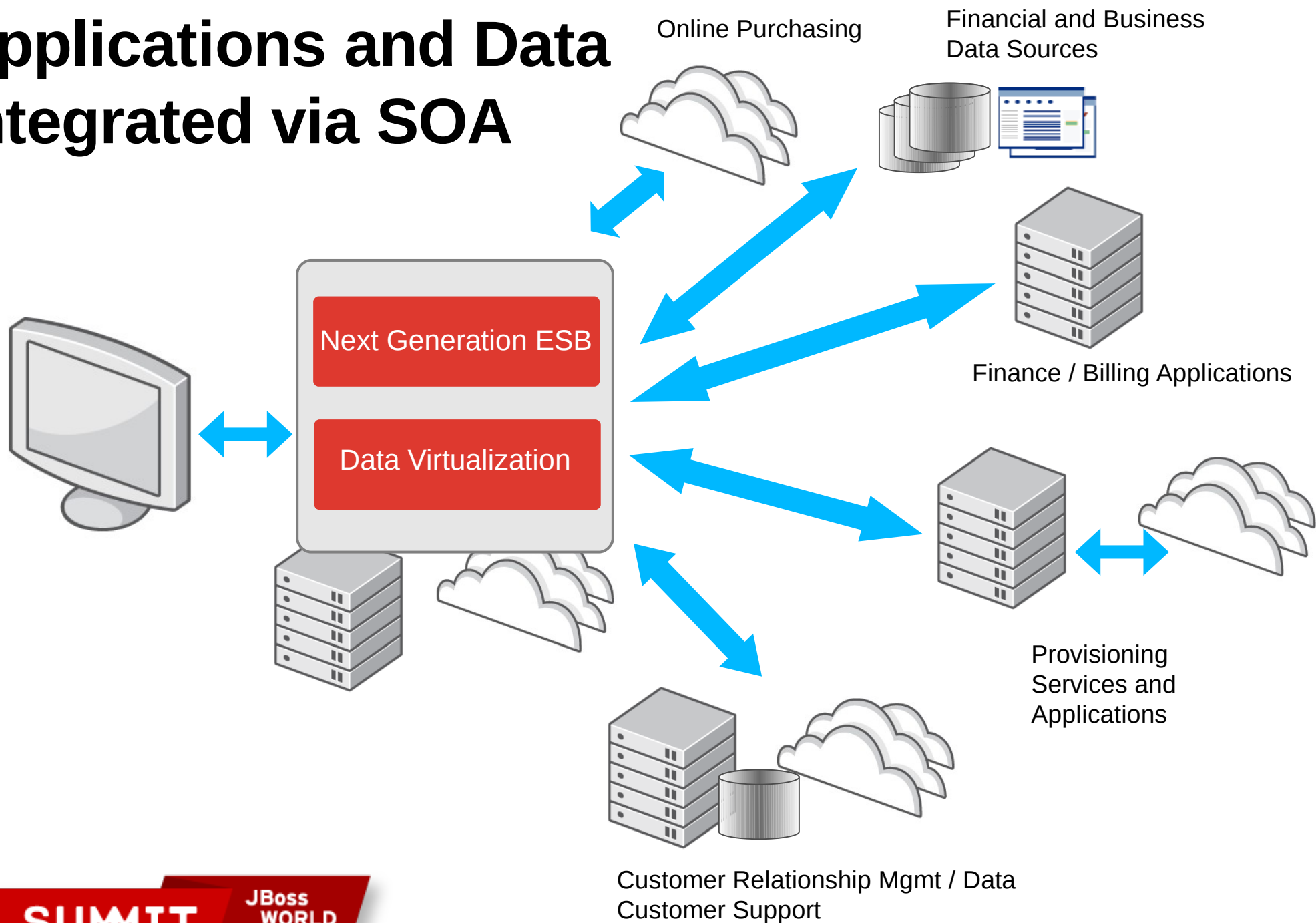
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Applications and Data Integrated via SOA



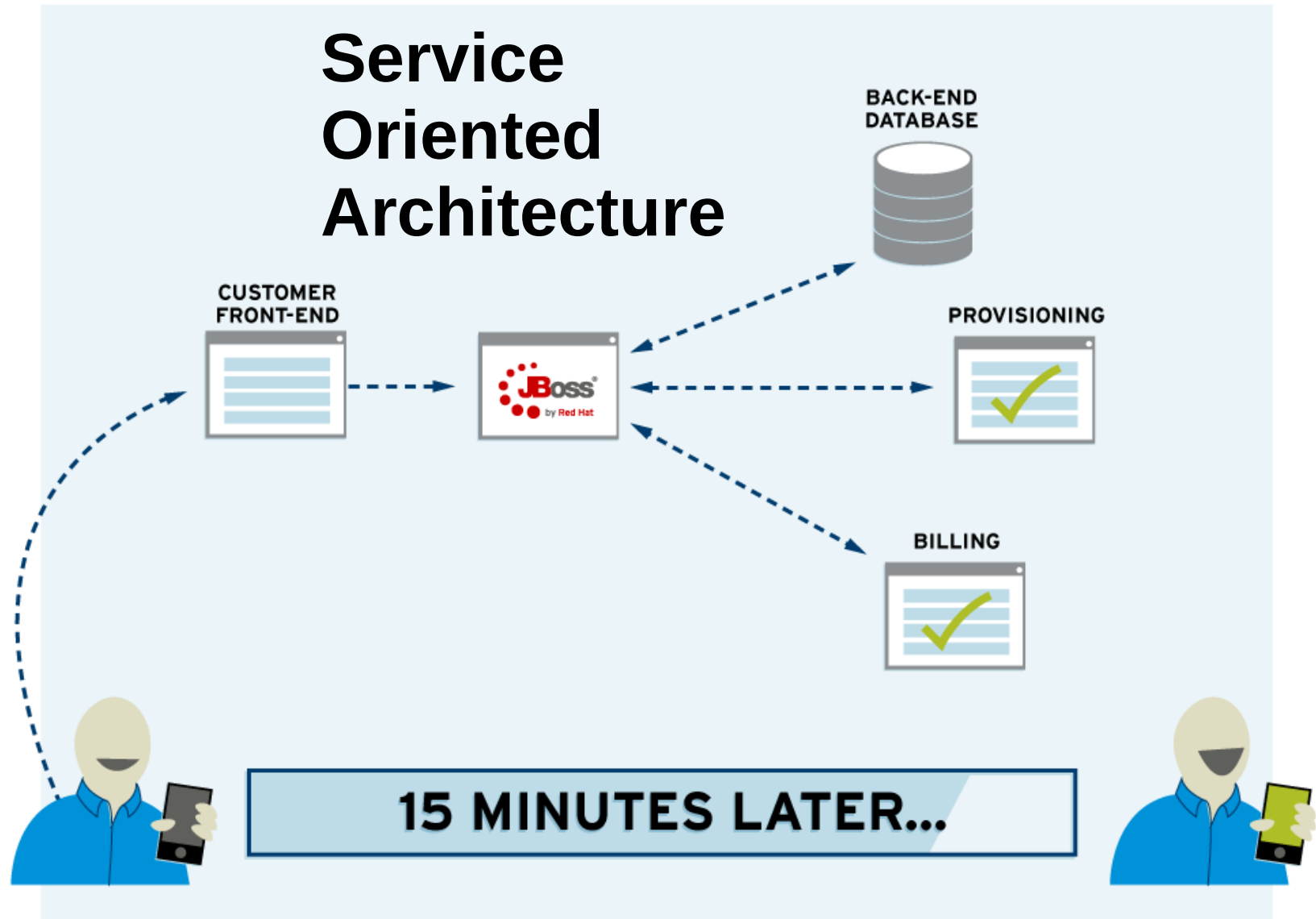
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Deploy as an SOA for quick, error-free service



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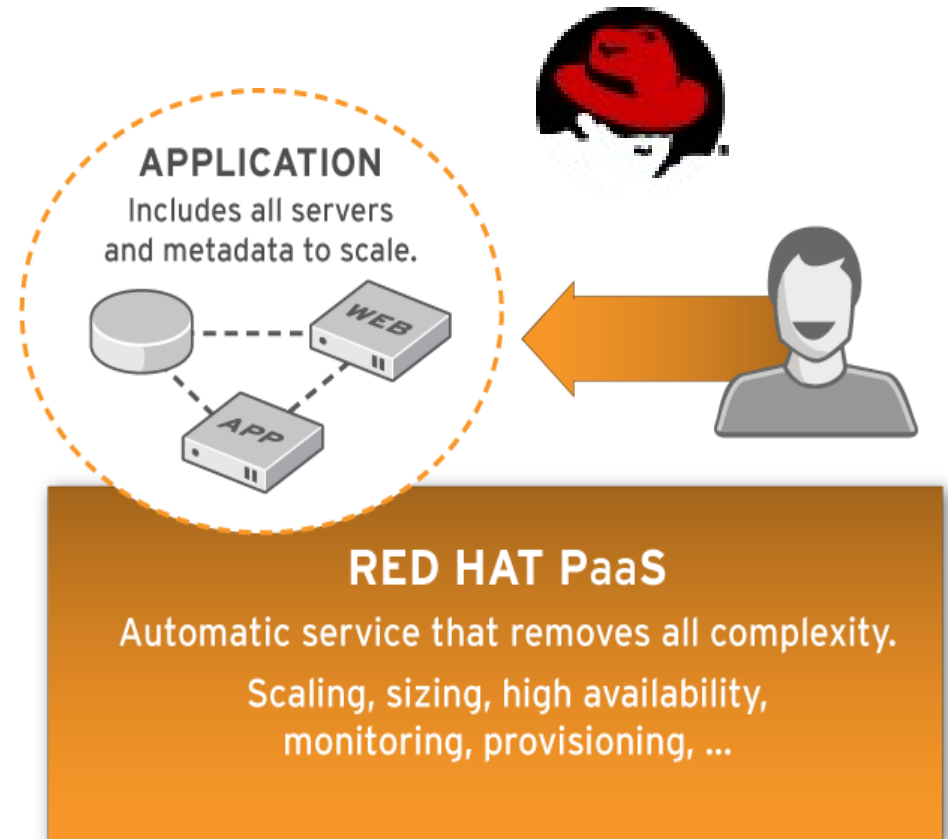


Cloud Computing

Applications Everywhere



Windows Azure Platform



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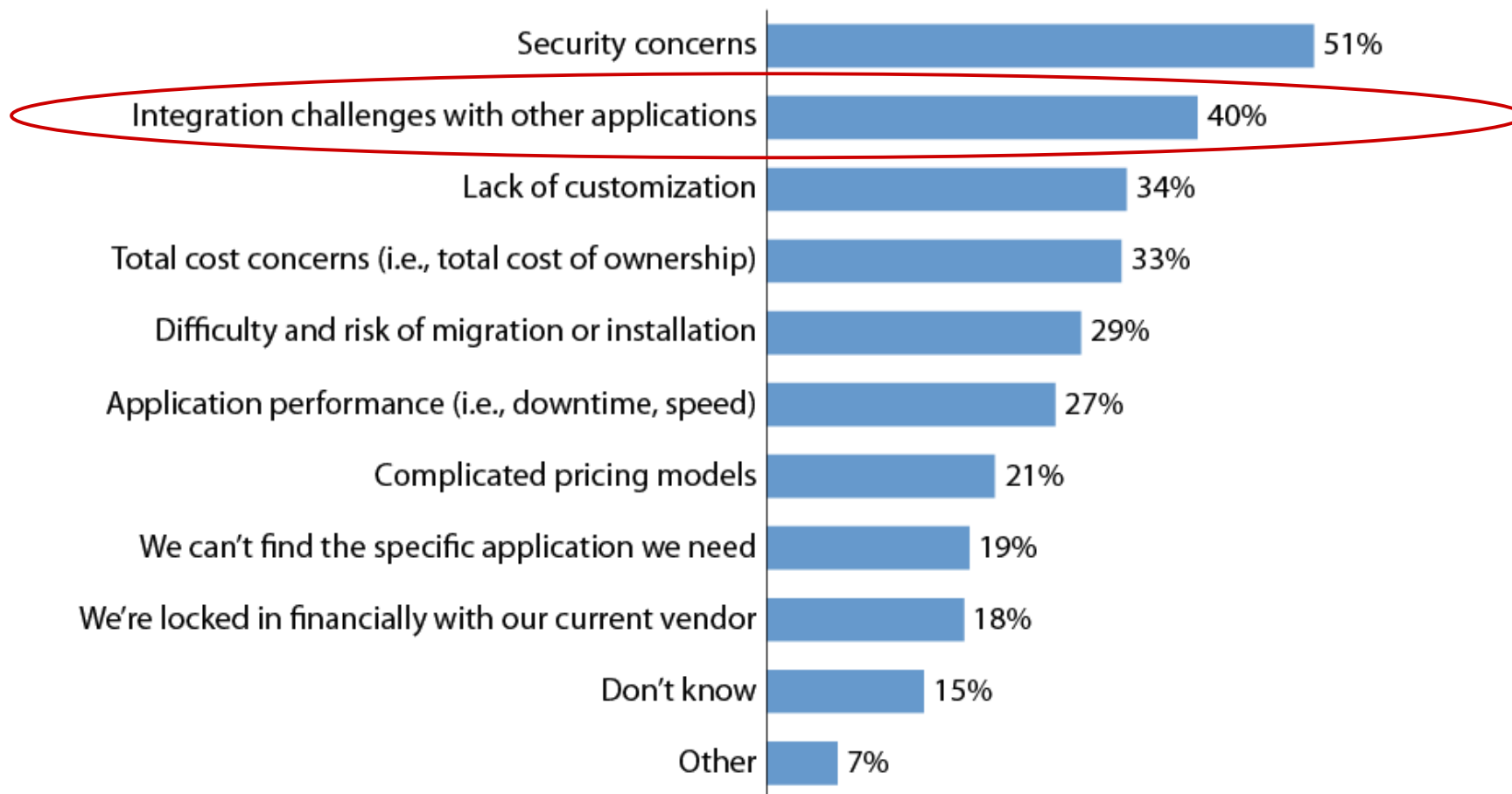
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Integration Challenges Are Impeding SaaS Adoption

“Why isn’t your firm interested in software-as-a-service (SaaS)?”



Base: 211 North American and European enterprise software decision-makers
(multiple responses accepted)

Source: Enterprise And SMB Software Survey, North America And Europe, Q4 2009

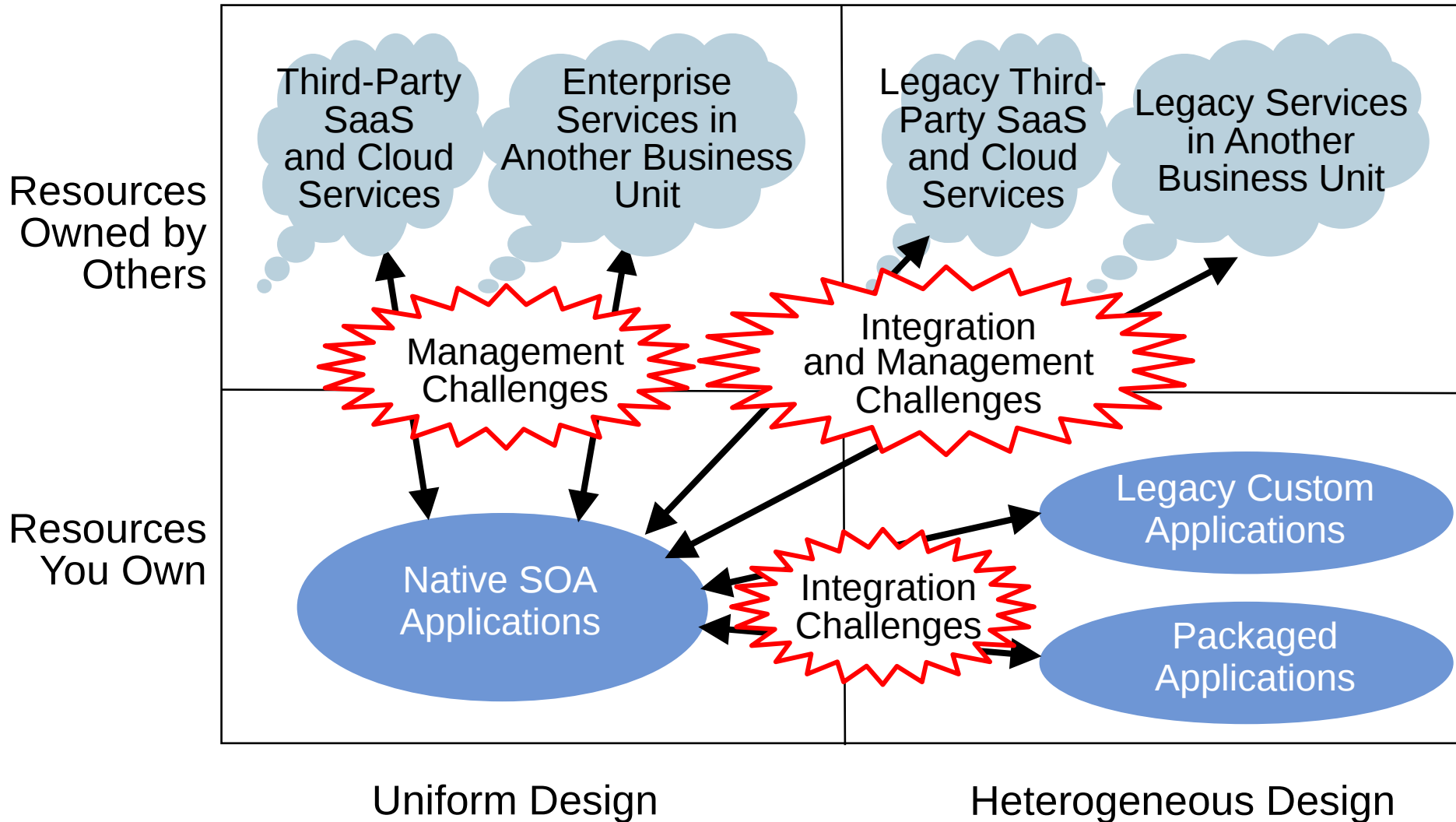
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Cloud Resources Present Challenges That Differ From Traditional Local Application Integration



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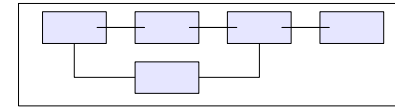
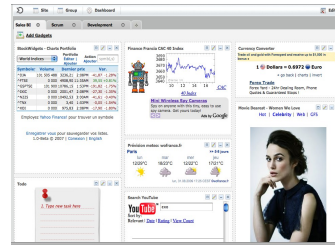
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Source: Gartner, From Isolated Buzzwords to Integrated Results: SOA, BPM, BI, Rules, Events and Cloud, Roy Schulte

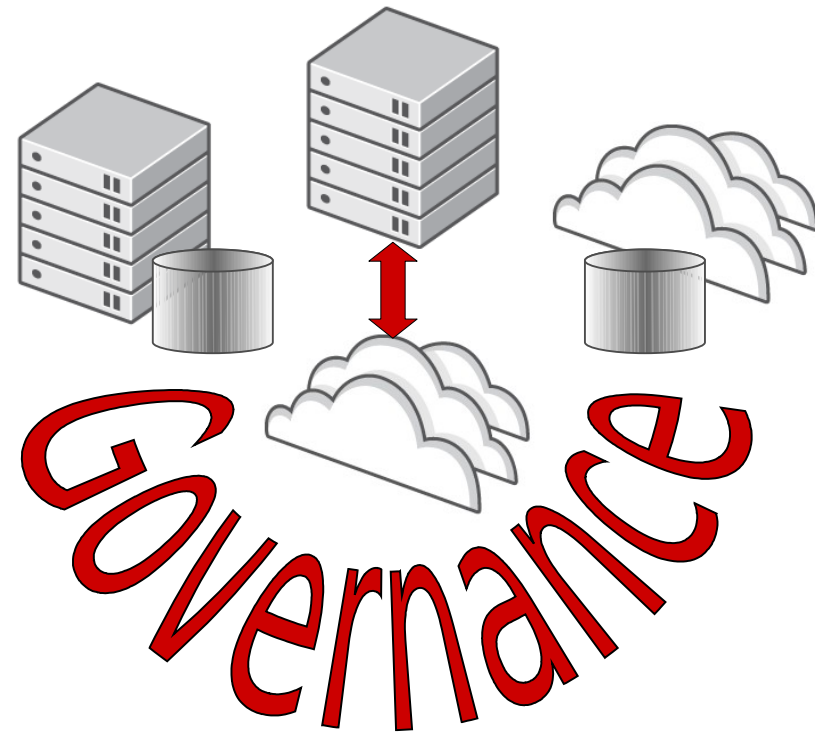


Overcome cloud integration challenges with SOA

- Standards-based integration
- Agility
- Governance
- Process integration
- User integration



Next Generation ESB



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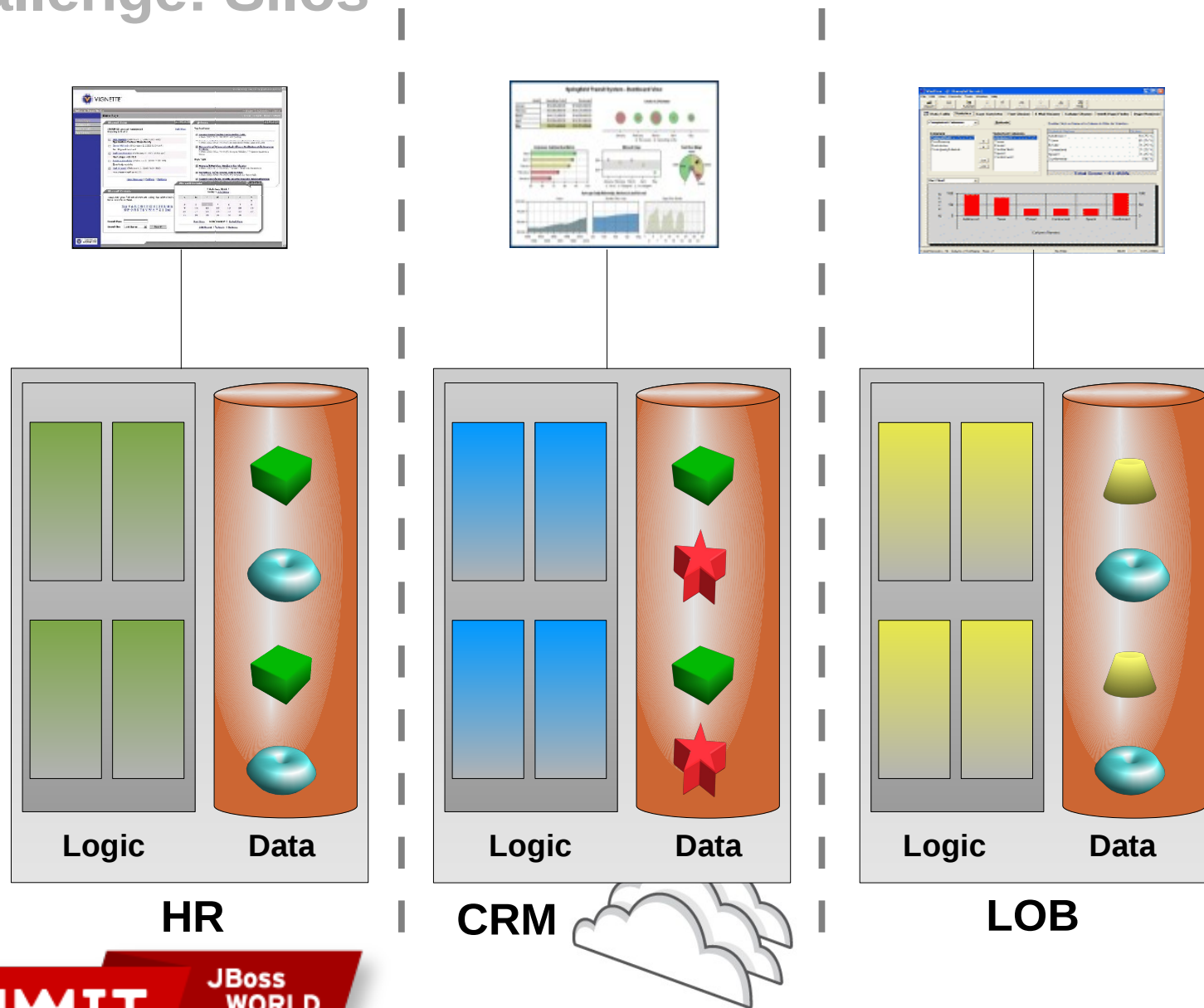
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Integration in the cloud is evolutionary

Challenge: Silos



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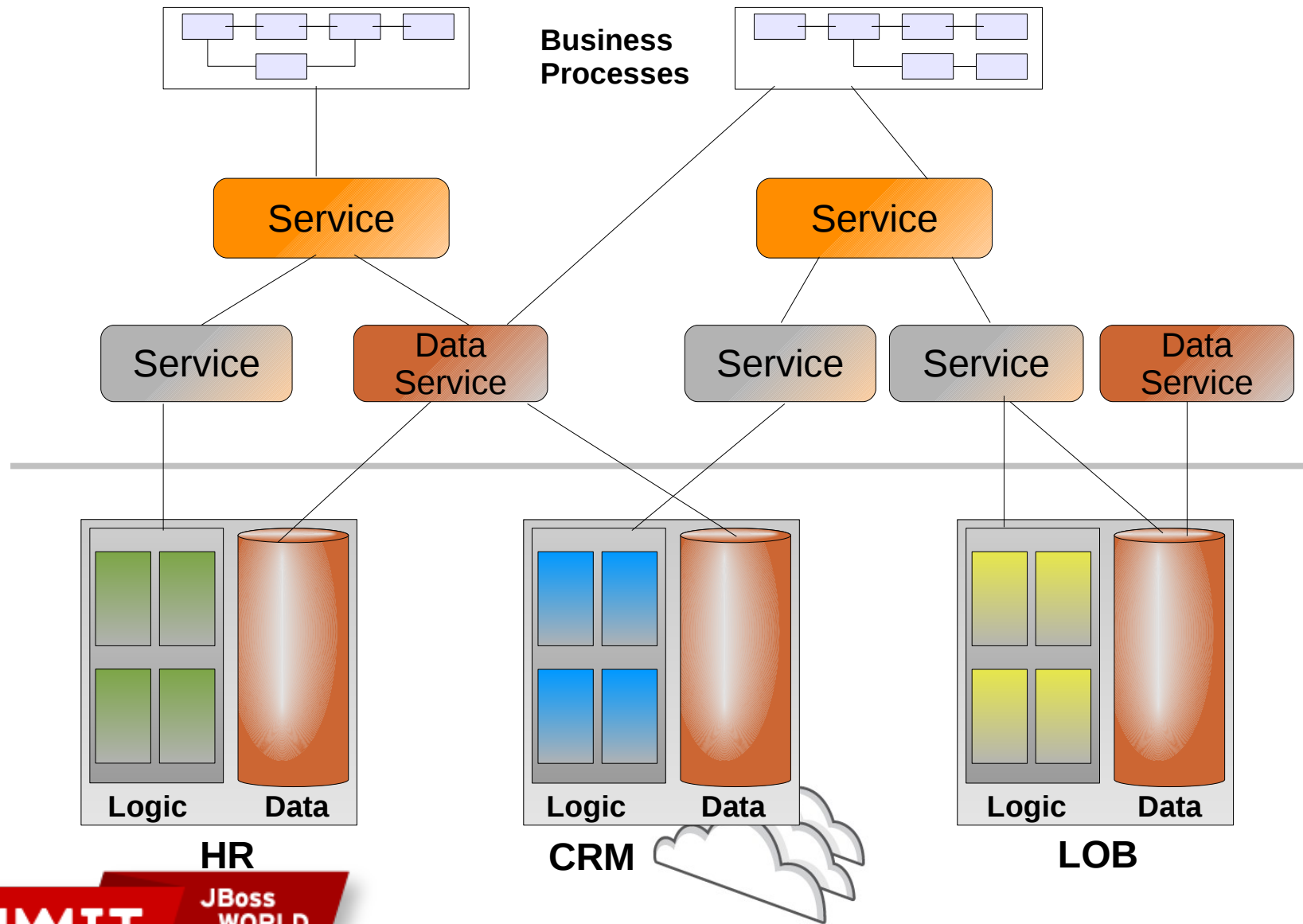
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Integration in the cloud is evolutionary

Services Enable Business Processes



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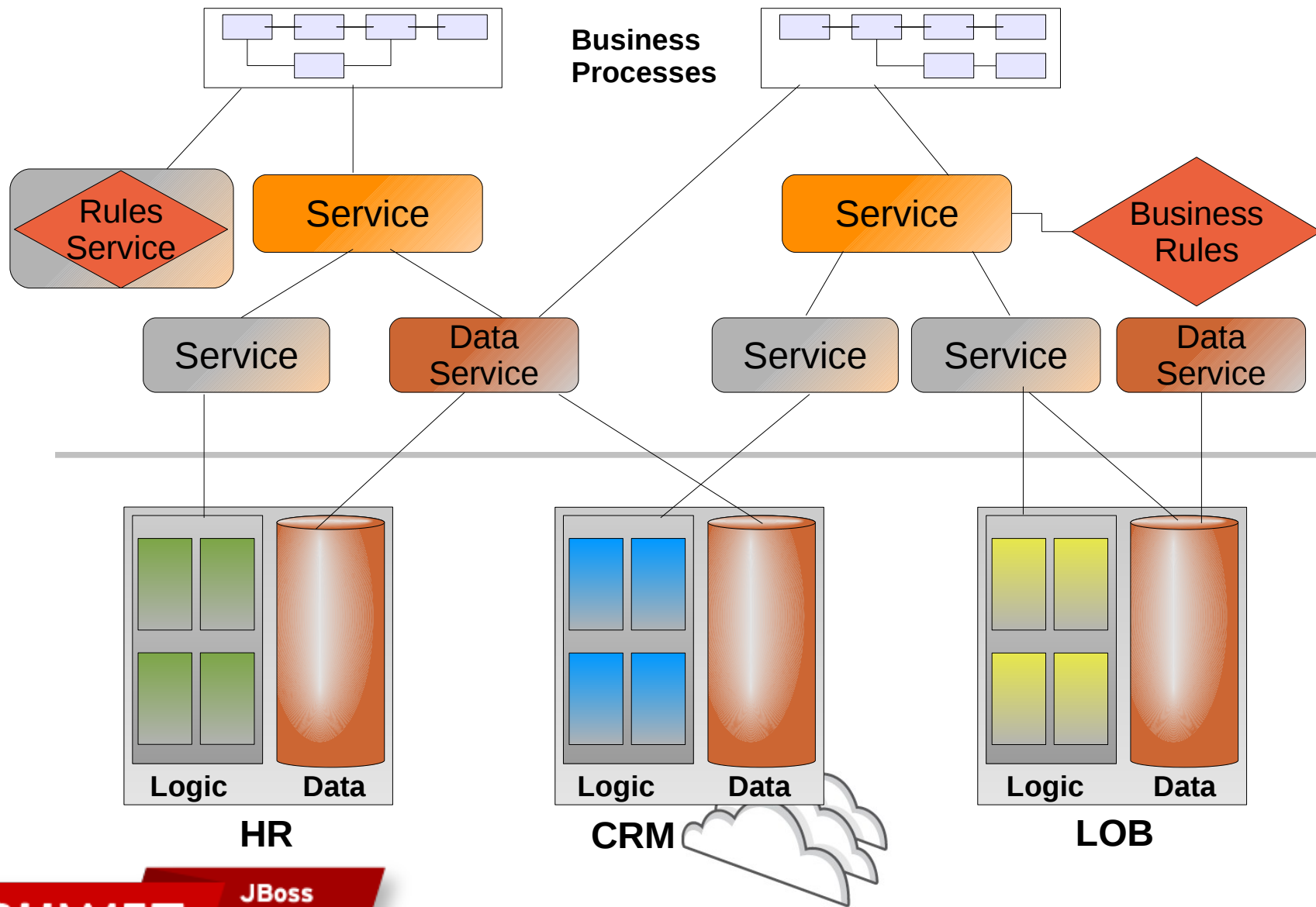
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Integration in the cloud is evolutionary

Intelligent Services via Rules



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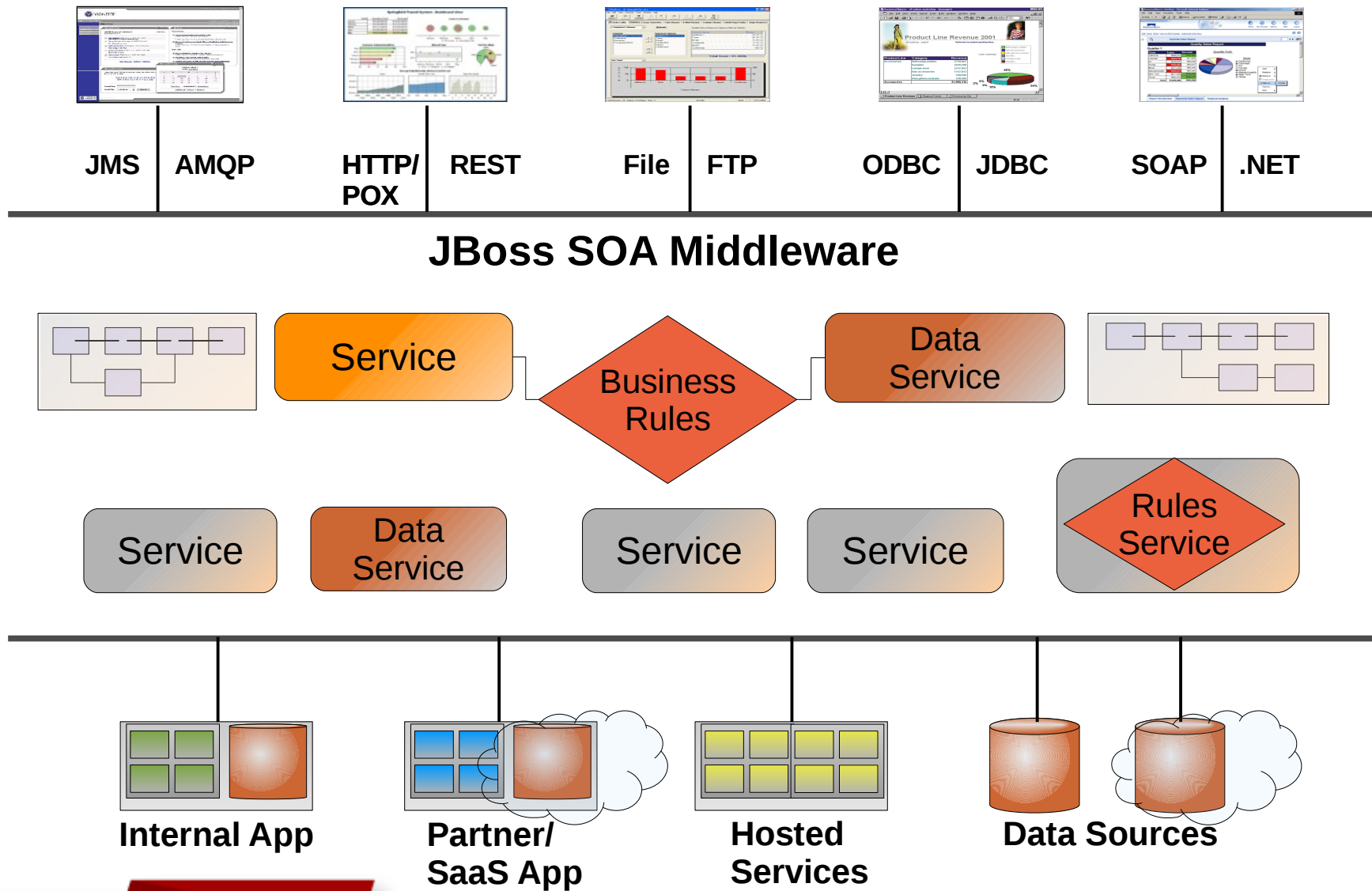
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Integration in the cloud is evolutionary

Integration Fabric with JBoss Enterprise Middleware



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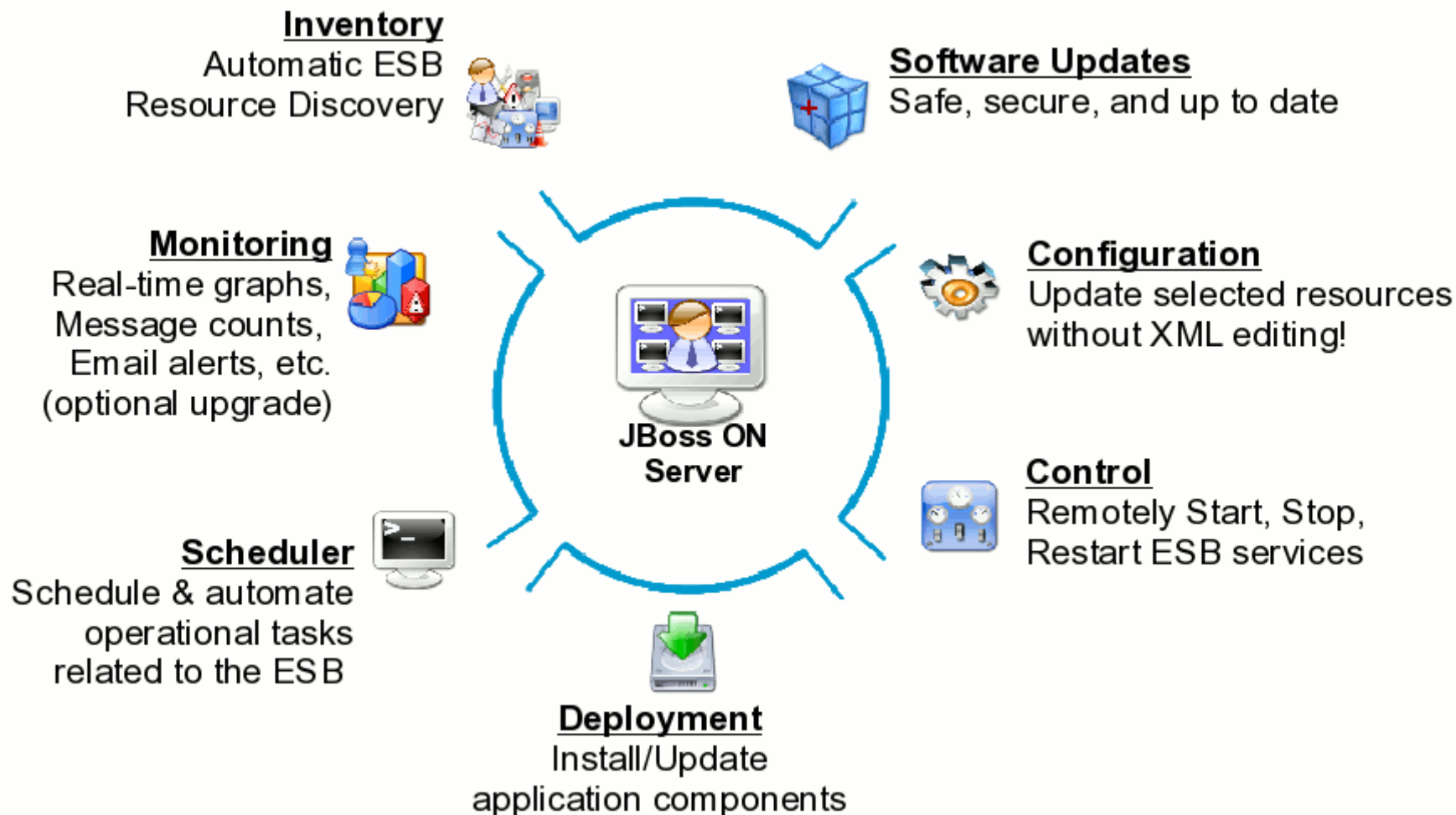
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JBoss Enterprise SOA Platform Managed

Run Time SOA Governance



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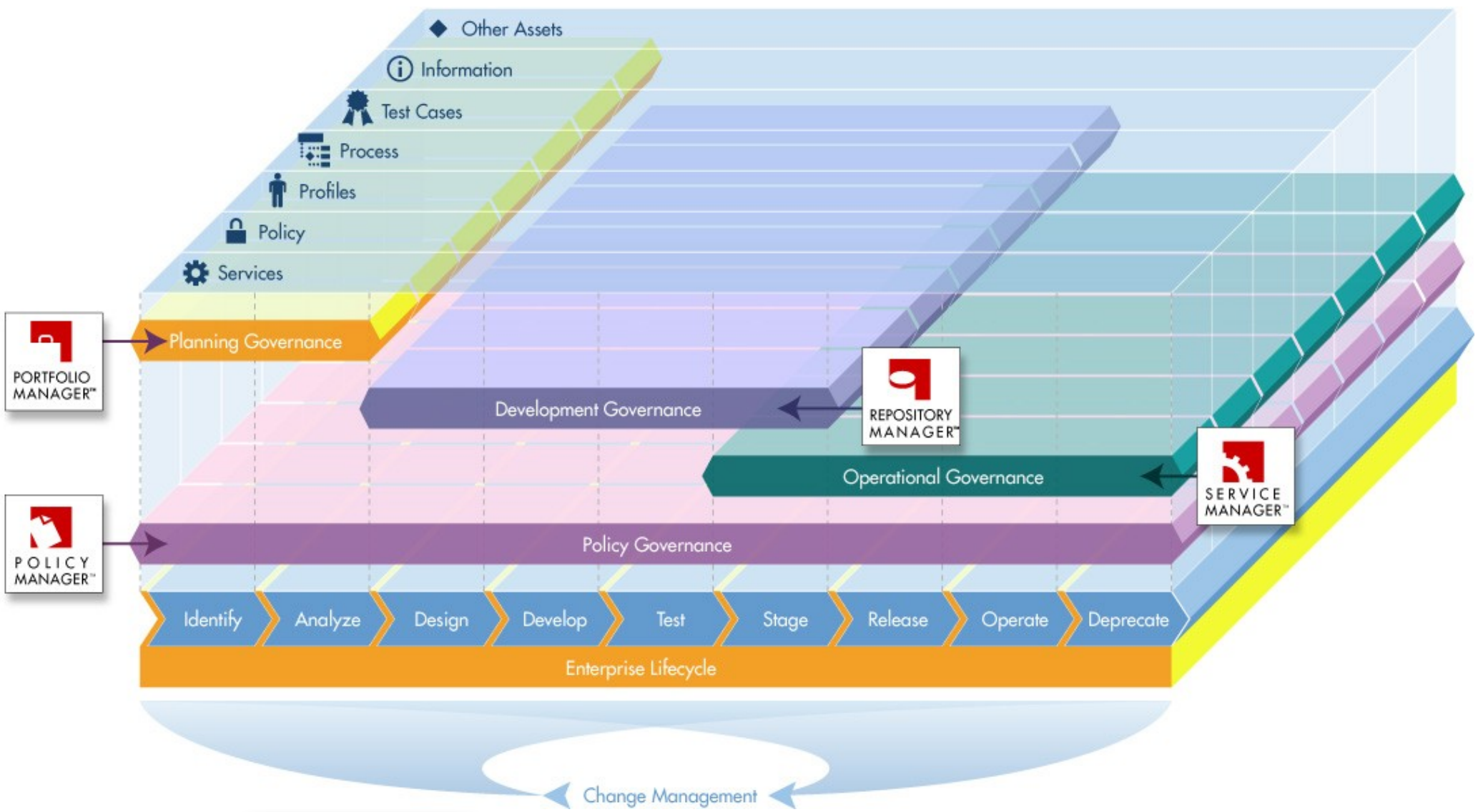
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Governance Partner: SOA Software

Unified SOA Governance Automation Products



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Source: SOA Software



Cloud+SOA – Benefits

- Cloud brings the benefits of flexible virtualization and IT infrastructure agility to applications and business processes
- SOA brings application & data integration and business process agility
- **Most cloud deployments will be SOAs!**



Red Hat SOA+Cloud

Next Steps

- Review Opportunities to Use SOA to Improve Your Business and IT Execution
- Learn How Red Hat Can Help
 - SOA Resource Center - <http://www.jboss.com/solutions/integration-SOA/>
 - Webinar Series - <http://www.jboss.com/promo/IntegrationWebinarSeries2010/>
- Review Opportunities as Discussed Here to Improve IT Flexibility and Cost with Cloud
- Learn How Red Hat Can Help
 - Cloud Resource Center - <http://www.redhat.com/solutions/cloud/>
- Visit the Cloud Pavillion

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