



 Drive Results.

DevOps for SAP

Kay Johnson

Rational Tiger for Europe, Agile and DevOps
Transformation



IBM

RUC2014
Rational User Conference



What is SAP?

SAP is an Enterprise Resource Planning (ERP) system that handles almost all department of an organizations.

SAP handles an organization's

- Finance
- Controlling
- Human Resource
- Sales
- Distribution
- Material management
- Warehouse
- Production
- Security
- Research
- Plus many other departments.

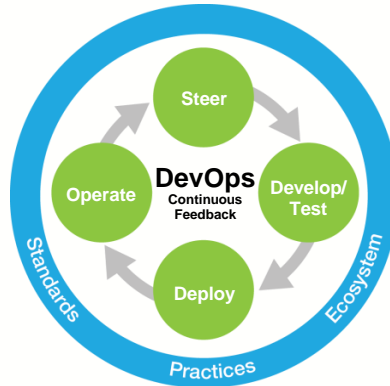


Not just that, but SAP has a special industry specific solutions for almost all industries such as manufacturing, Pharmaceuticals, Insurance, Security, Finance, Treasury etc.

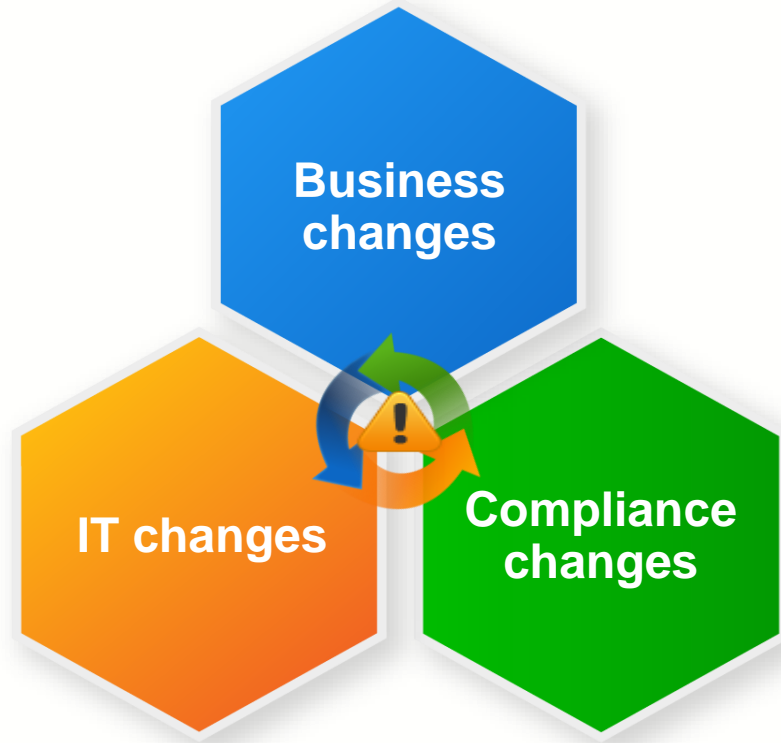


What is DevOps?

DevOps is an **enterprise capability** for **continuous software delivery** that enables organizations to **seize market opportunities** and **reduce time to customer feedback**.



Success depends on how change is managed





Benefits customers have realised by using Rational to reduce their cost and risk on SAP projects

Cut costs

\$207 million of savings and **\$667 million in risk mitigation** were made by an HR organization who used IBM Rational to optimize SAP delivery across their teams.

50%

Reduction in overall delivery costs

Reduce risk

Serious project overruns were addressed at a retail company that implemented IBM Rational to address slipped deadlines and a perceived lack of quality in their implementation of SAP. **Both business and technical stakeholders have improved confidence** that their business can now operate as expected after SAP upgrades or updates.

90%

Increase in confidence of an upgrade or change

Accelerate delivery

The ability to figure out the impact of change has **improved from months to minutes** for a large government agency that implemented IBM Rational to identify and communicate how to deploy their SAP transformation.

80%

Improvement in productivity



There are 2 types of SAP project

New SAP Solution

Update SAP Solution



Applications



Analytics



Mobile



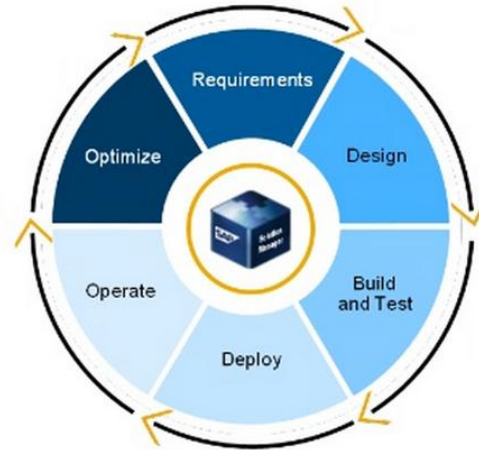
Database &
Technology



Cloud

HANA

Summary SAP best practice for delivery



Summary SAP best practice for delivery



✓ Upgrade Management

- Comprehensive project support for release transitions

✓ Solution Documentation

- Central documentation of processes, system landscape, custom code, partner applications, and more

✓ Landscape Transformation

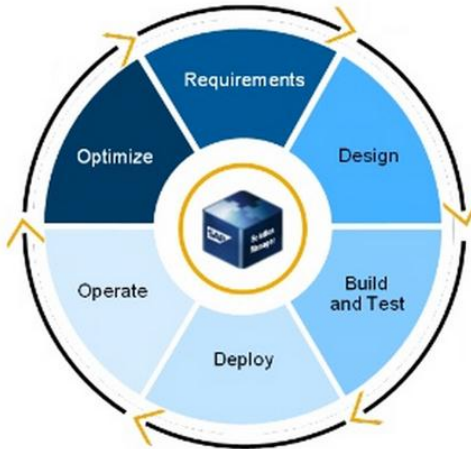
- Management of business- and IT-driven changes in SAP solution landscapes

✓ Maintenance Management

- Management of corrective software packages, reduction of waste in custom code

✓ Technical Operations

- Central monitoring and alerting infrastructure
- Unique end-user experience monitoring
- Central administration tools



✓ Solution Implementation

- Discover and realize enhanced business functionality
- Avoid disruption of business

✓ Template Management

- Standardize configuration across multiple projects

✓ Test Management

- Change impact analysis
- Complete test management

✓ Change Control Management

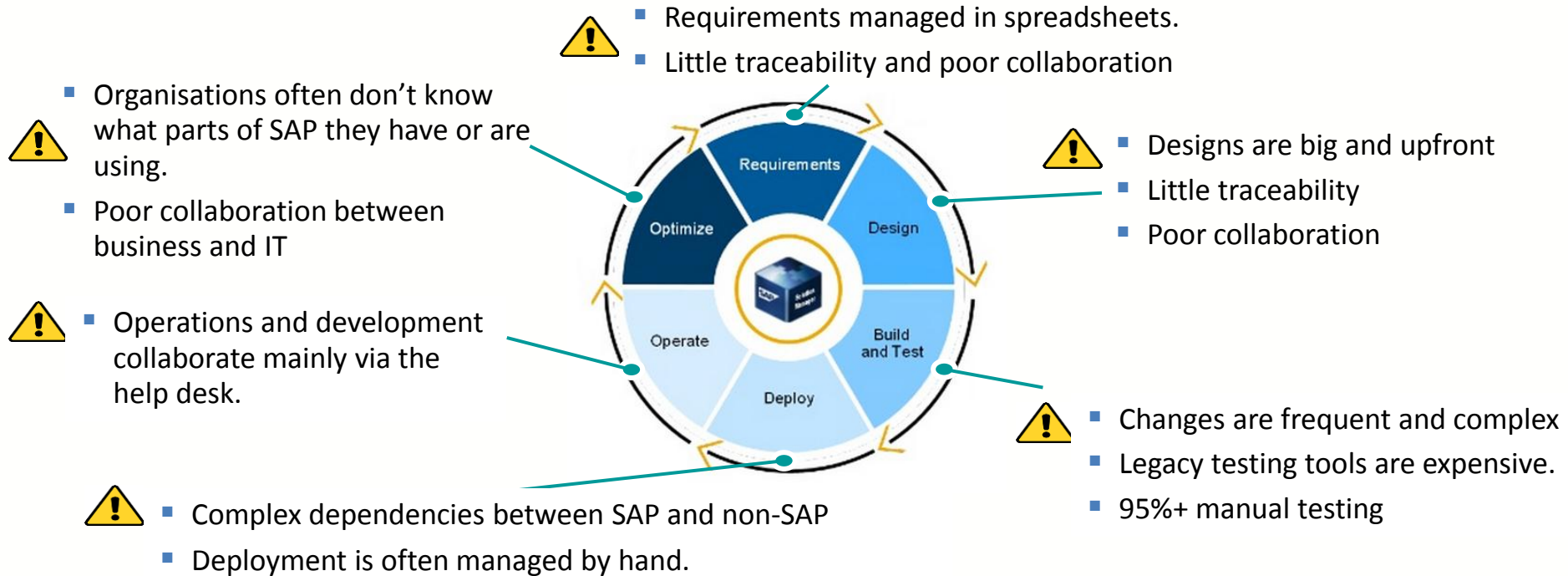
- Integrated quality management
- Synchronized transports of various components
- Controlled and documented adjustment of business processes incl. approval process

✓ Application Incident Management

- Integrated service desk
- Involvement of partners in problem resolution
- Root-cause analysis for complex landscapes with diverse technology stacks

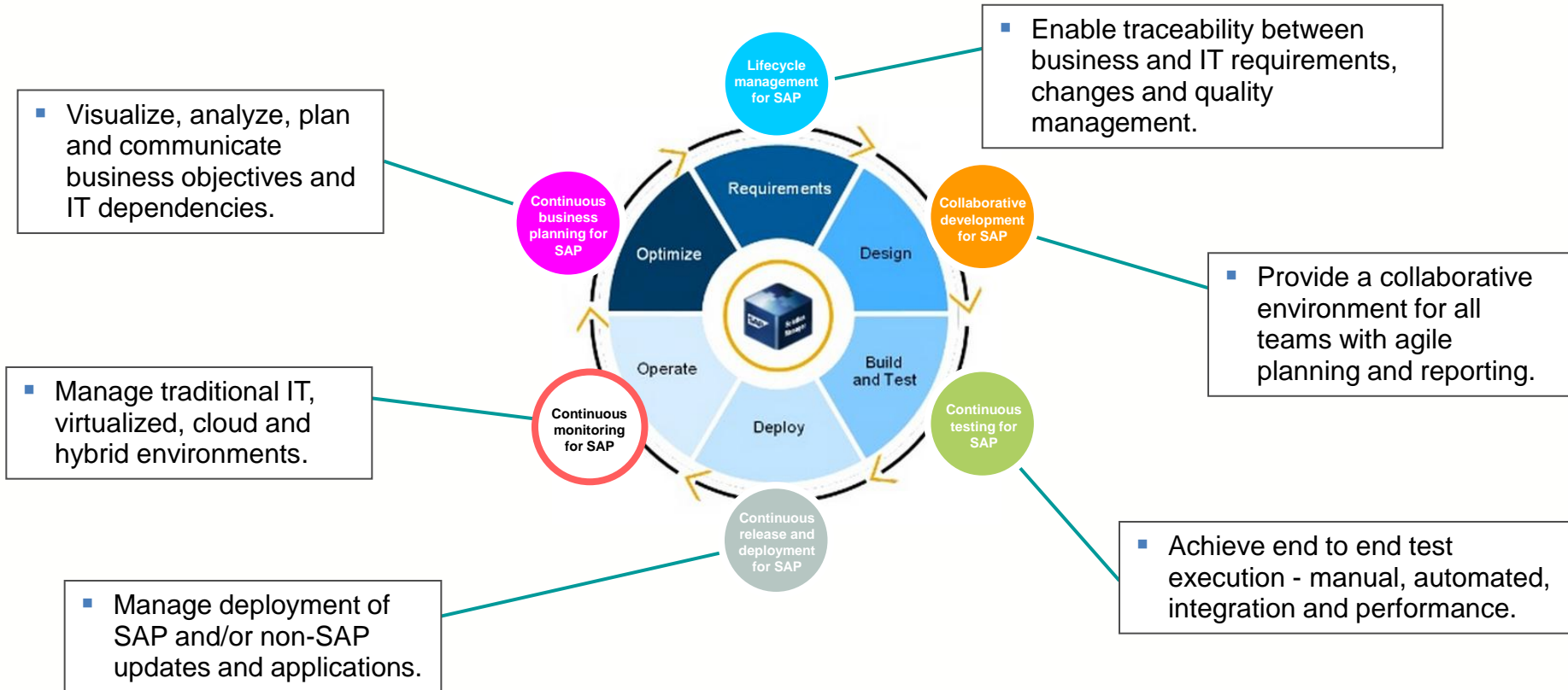


Summary SAP customer challenges

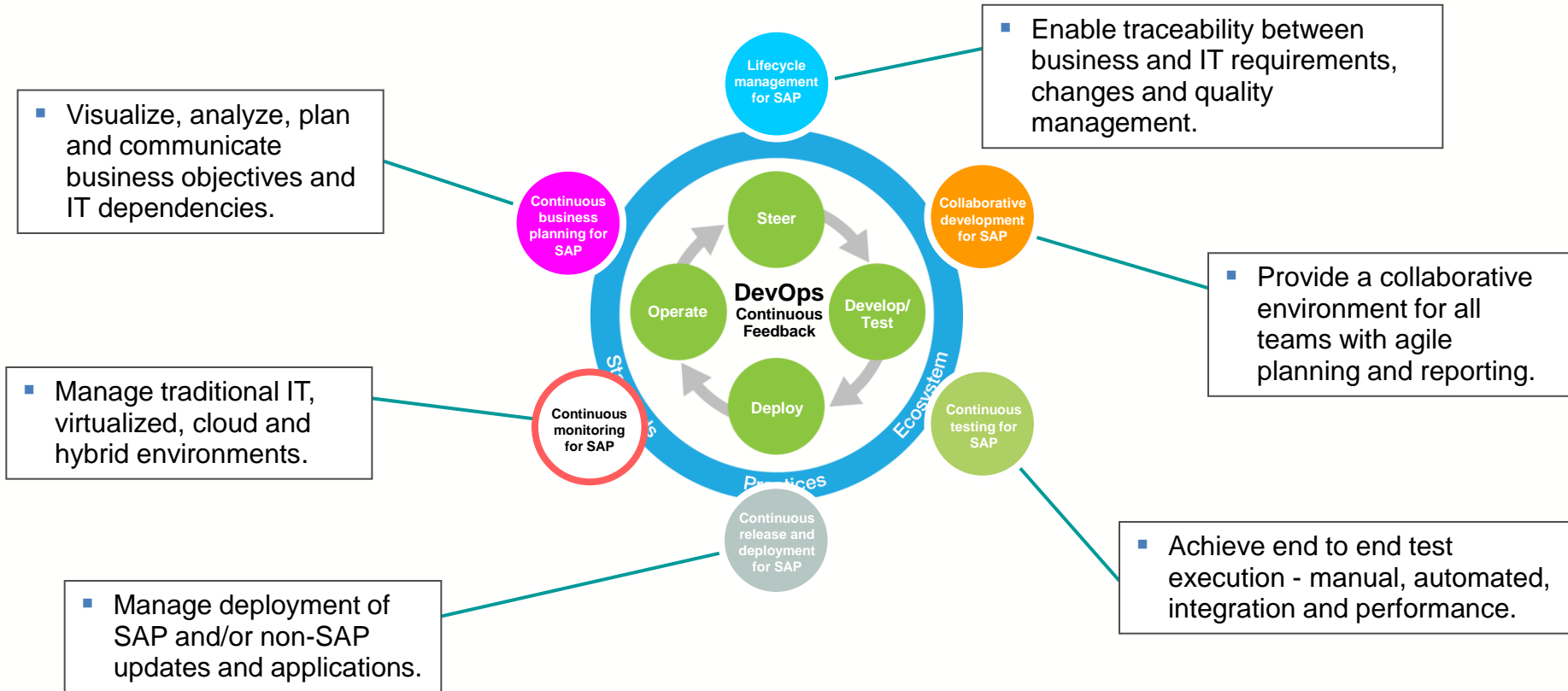




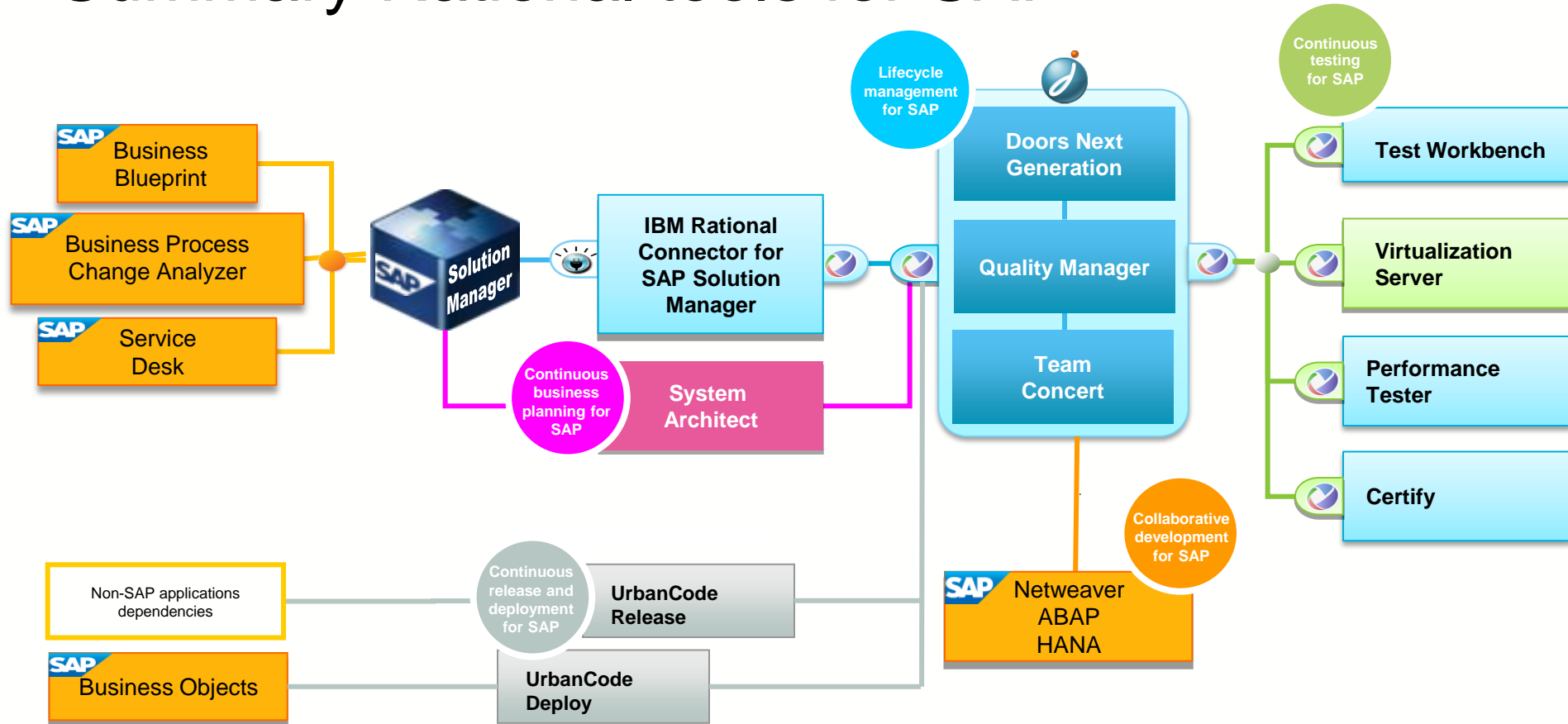
Solutions to address customer challenges



DevOps for SAP



Summary Rational tools for SAP





The solutions to achieve DevOps for SAP

Continuous
business
planning
for SAP

Visualize, analyze, plan and communicate your SAP objectives and dependencies.

Lifecycle
management
for SAP

Complete traceability of business and IT requirements, change and quality management.

Continuous
testing for
SAP

End to end test execution for SAP - manual, automated, integration, performance and mobile.

Collaborative
development
for SAP

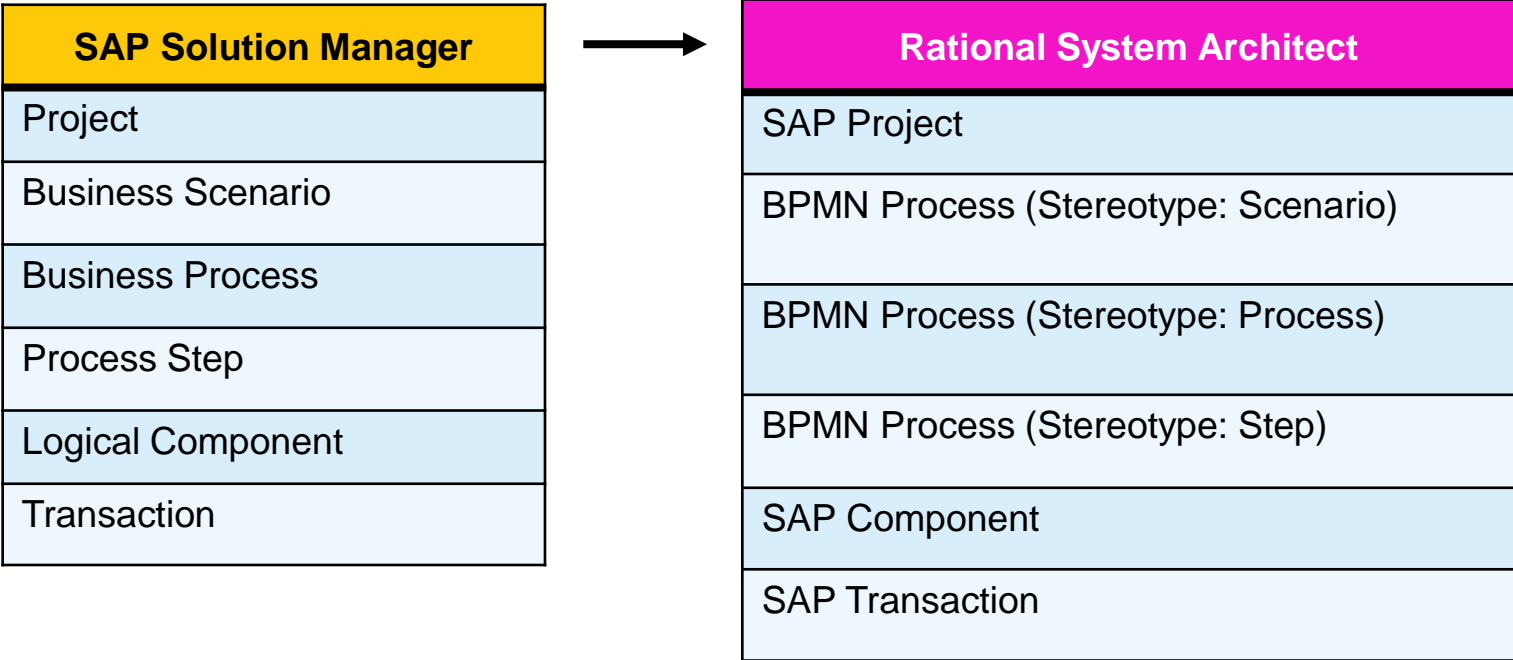
A single, collaborative environment for all teams with agile planning and reporting.

Continuous
release and
deployment
for SAP

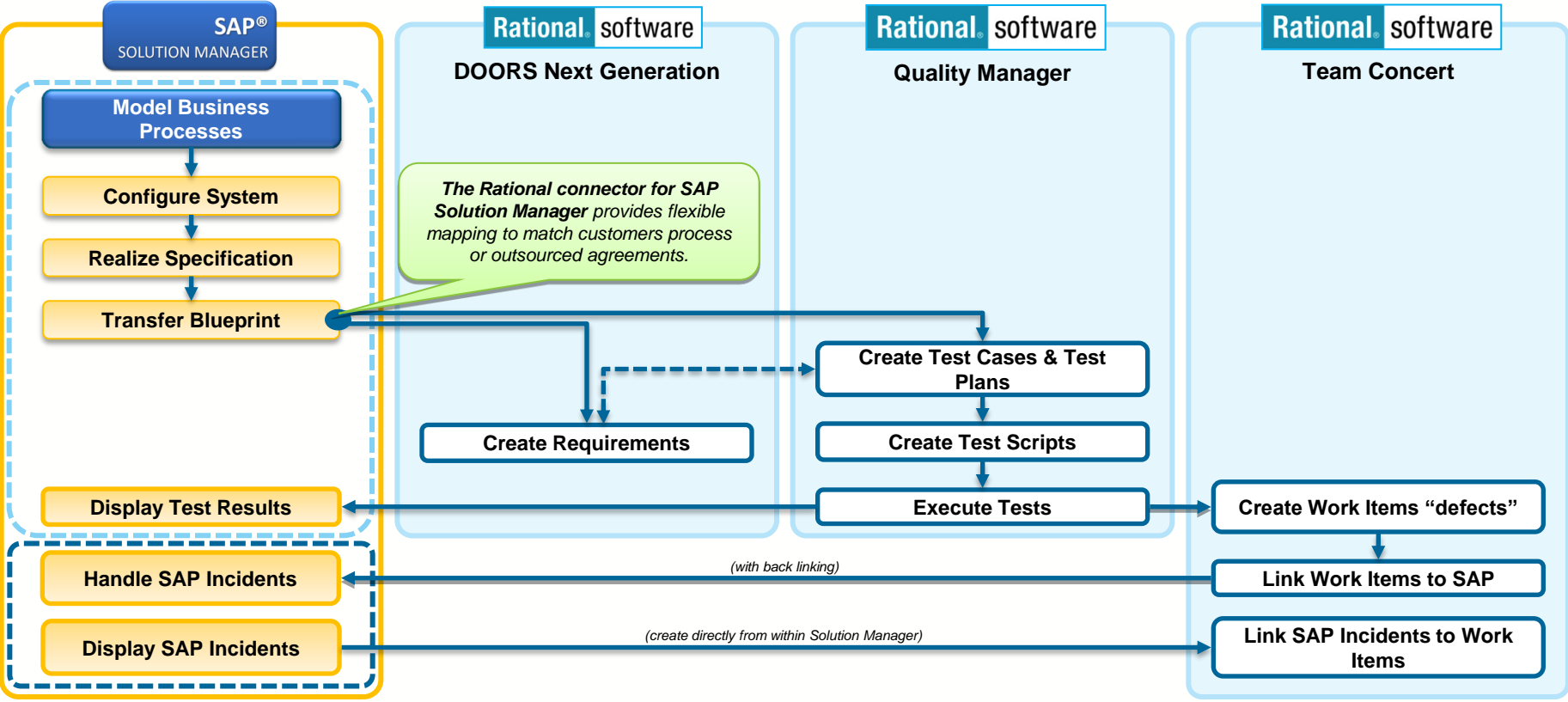
Manage deployment of SAP and/or non-SAP updates and applications.

Continuous business planning for SAP

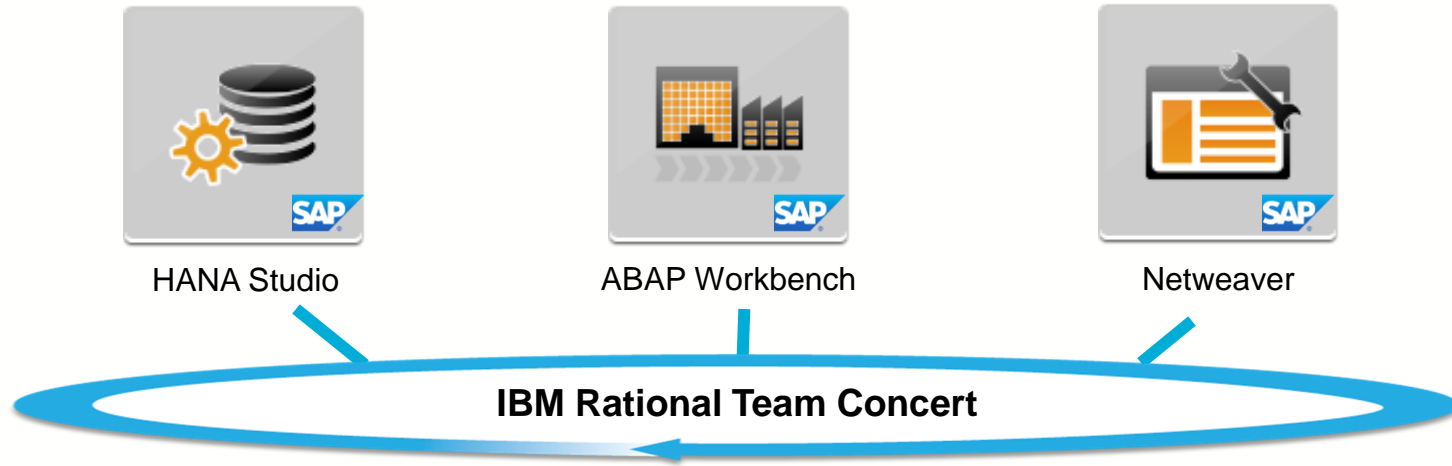
Get the design right and validate the business blueprints before implementation.



Lifecycle management for SAP

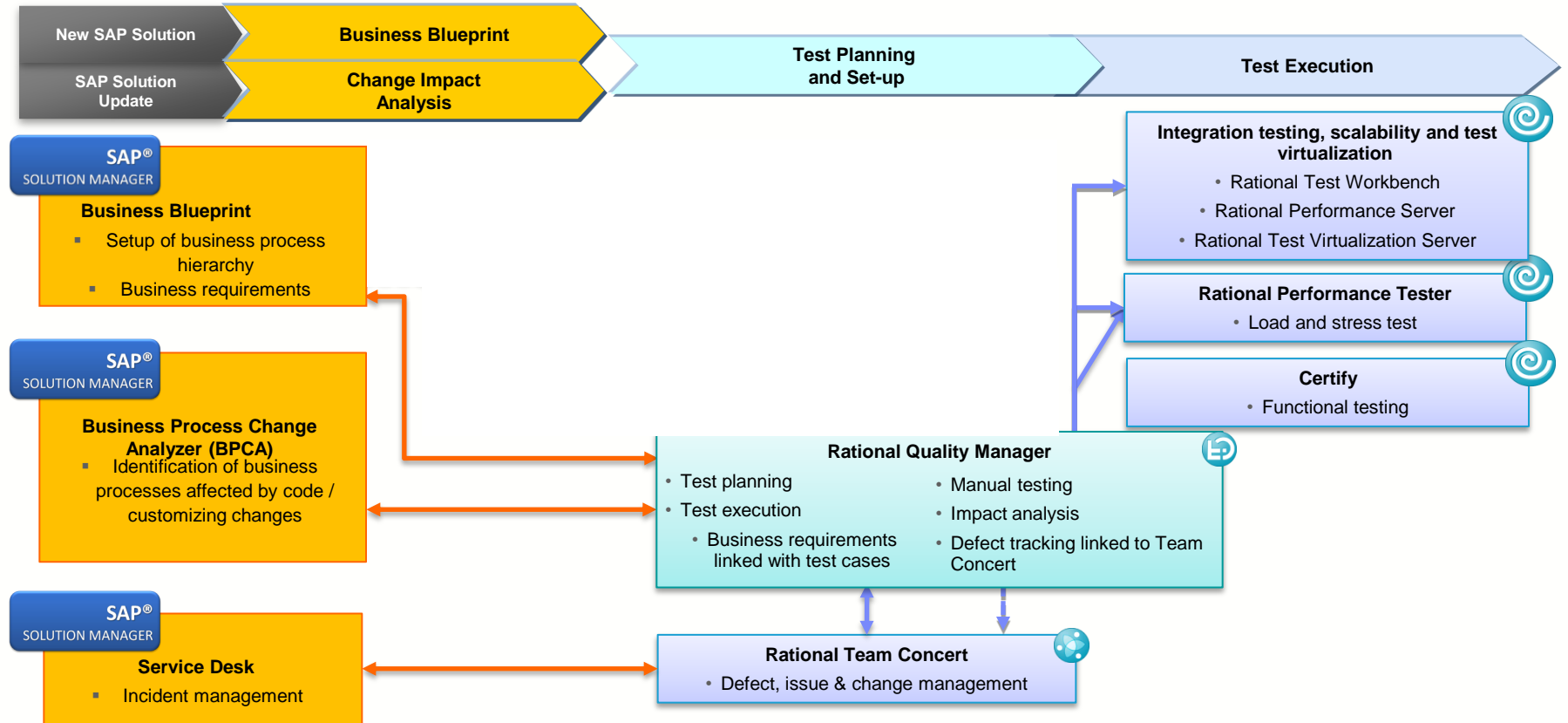


Collaborative development for SAP



A single, consistent project planning, execution and change mgmt solution integrated with SAP's eclipse-based development tools.

Continuous testing for SAP



Testing and service virtualization for SAP



Test SAP

Use RIT to send SAP proprietary messages into SAP and validate the responses

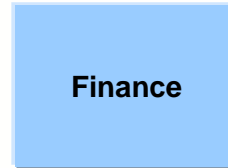


SAP
Protocols



Virtualize SAP

Use RTVS to stand in for SAP in testing scenarios



SAP
Protocols



Virtualize components that SAP talks to

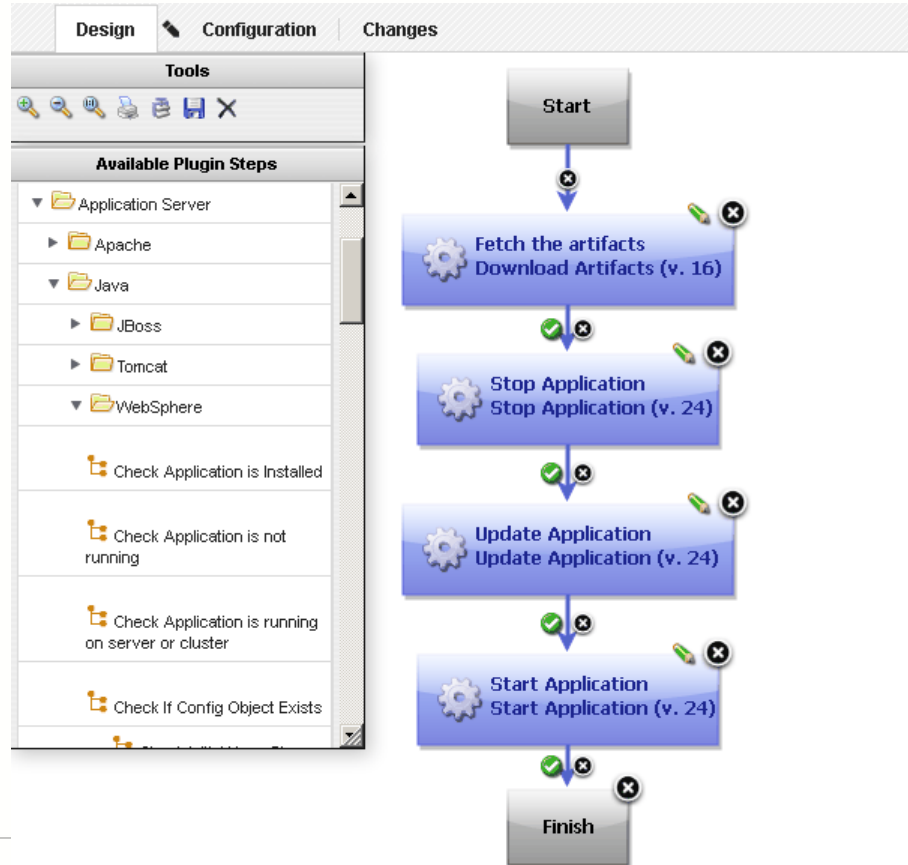
Use RTVS to stand in for non-SAP components in SUT



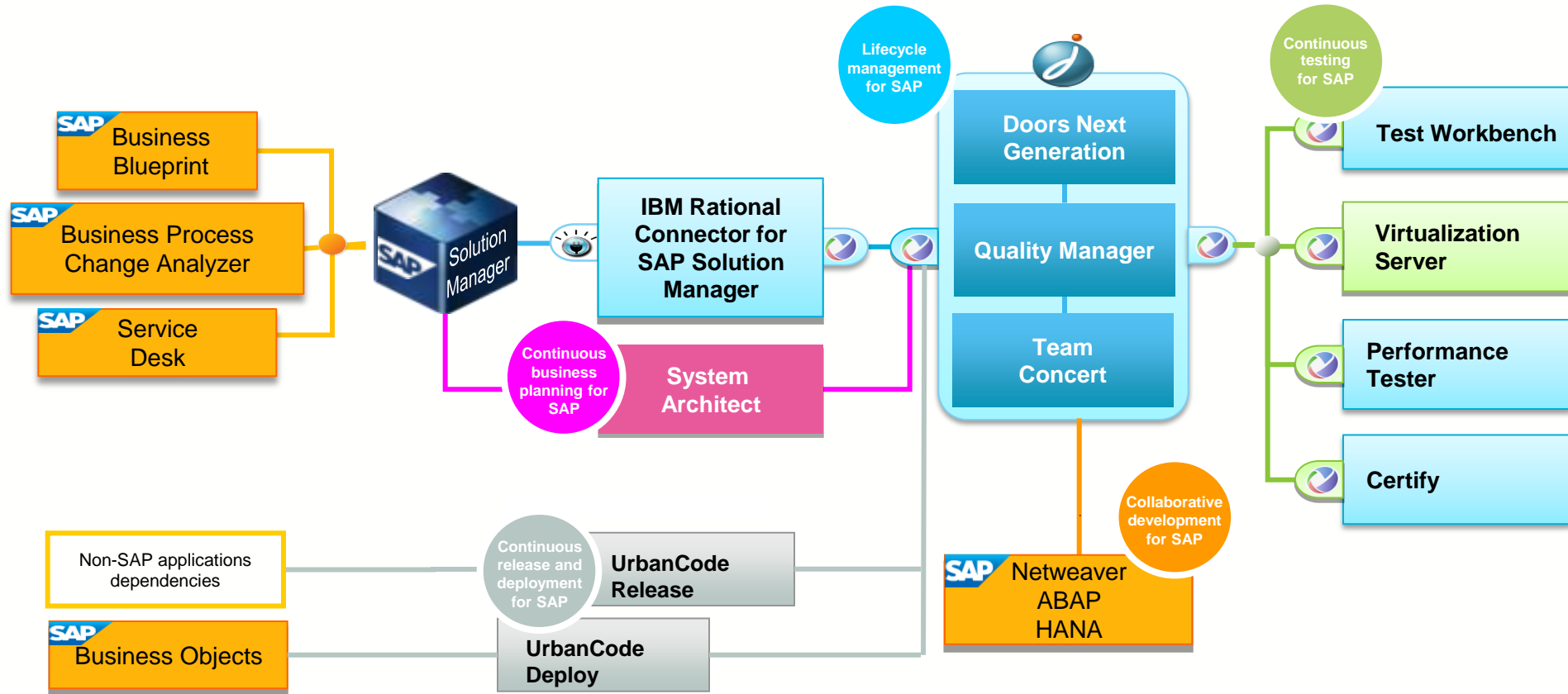
Non-SAP
Protocols



Continuous release and deployment for SAP



Rational tools to achieve DevOps for SAP





The solutions to achieve DevOps for SAP

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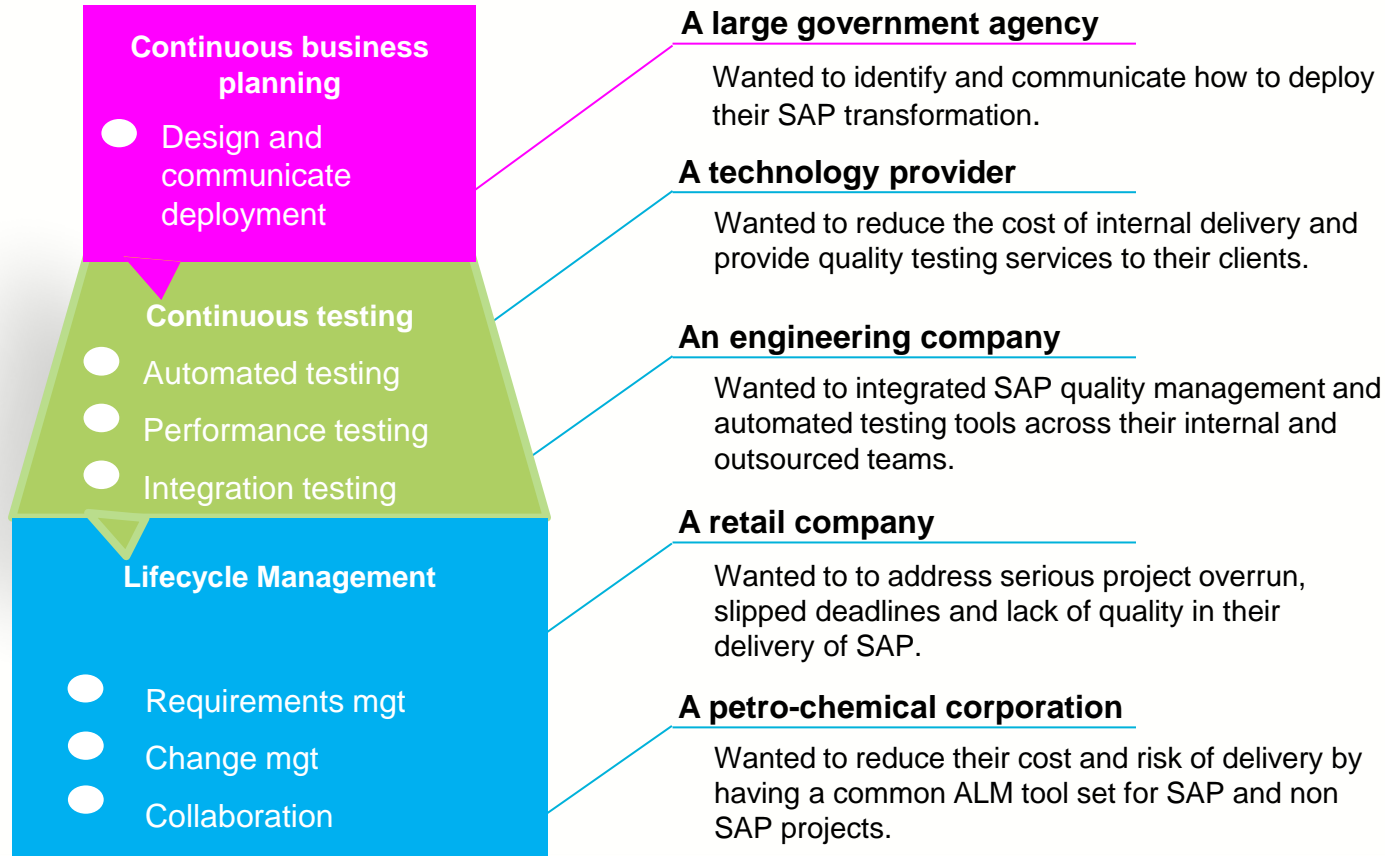
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A single, collaborative environment for all teams with agile planning and reporting.

Continuous
release and
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Manage deployment of SAP and/or non-SAP updates and applications.

Why SAP customers invest in Rational



SAP and IBM Rational have a close working relationship

- SAP and IBM have a technical collaboration to integrate IBM Rational with SAP Solution Manager and other SAP solutions.
- SAP and IBM are working together to optimize the IBM Rational tools for SAP applications and tooling.
- SAP and IBM Rational have a long-standing relationship, and continue to work together to provide customers with an enterprise-grade solution for DevOps.

“IBM Rational software results in comprehensive, automated, and integrated support for your test management program. This approach can help to minimize errors, reduce costs, and align your business and IT goals more effectively.”

SAP Solution brief: Teaming SAP® Solution Manager and IBM Rational Software for Top Test Management

“The relationship between SAP and Rational can be summed up in one word – **fantastic!**”

Abhik Bose, Principle Consultant, SAP Testing Center of Excellence

Managing Change in SAP: Reducing Cost and Risk with IBM DevOps



Quality partner of the year

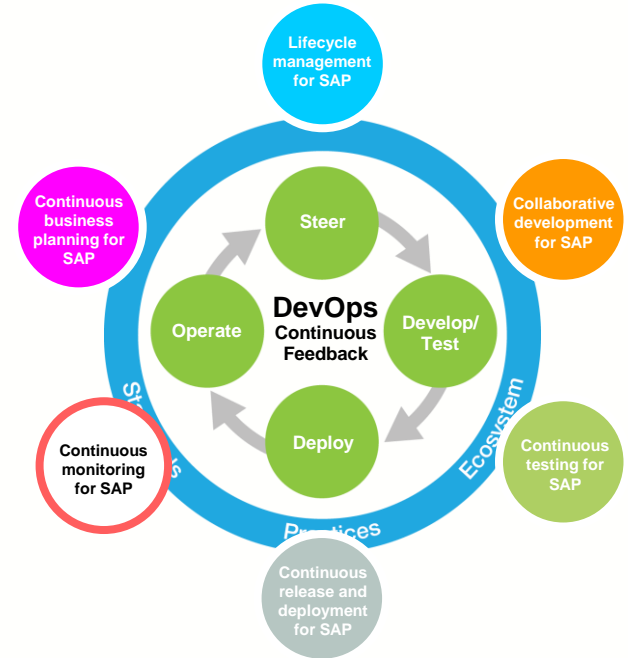
SAP customers that use IBM achieve the best overall performance as measured by number of escalations tracked by SAP, by customer feedback such as reference stories, and by commitment to high quality deployments.

Managing Change in SAP with IBM DevOps



Uwe Hommel
Executive Vice President

“Our collaboration with IBM Rational brings together the best of our combined application lifecycle management market leadership and can help customers **reduce costs, manage change and improve quality** across the enterprise applications lifecycle.”



Thank you





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