



DevOps Automation for SAP: How a leading communication technology provider is driving innovation

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Client Director - Basis Technologies

About The Customer - Ericsson



Global Telecomms leader:

- 120,000 employees
- > 45,000 patents



Business focus:

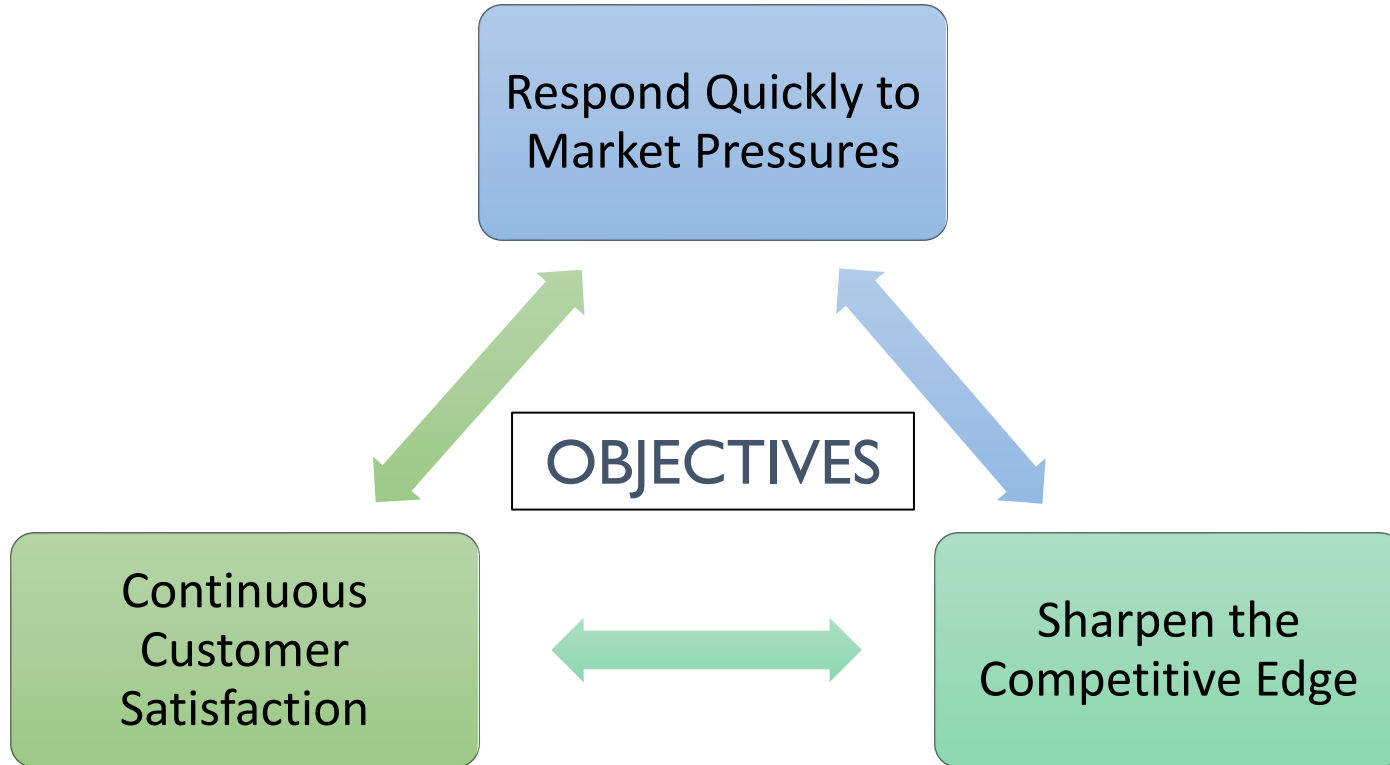
- Networks
- Digital Services
- Managed Services



Emerging Business:

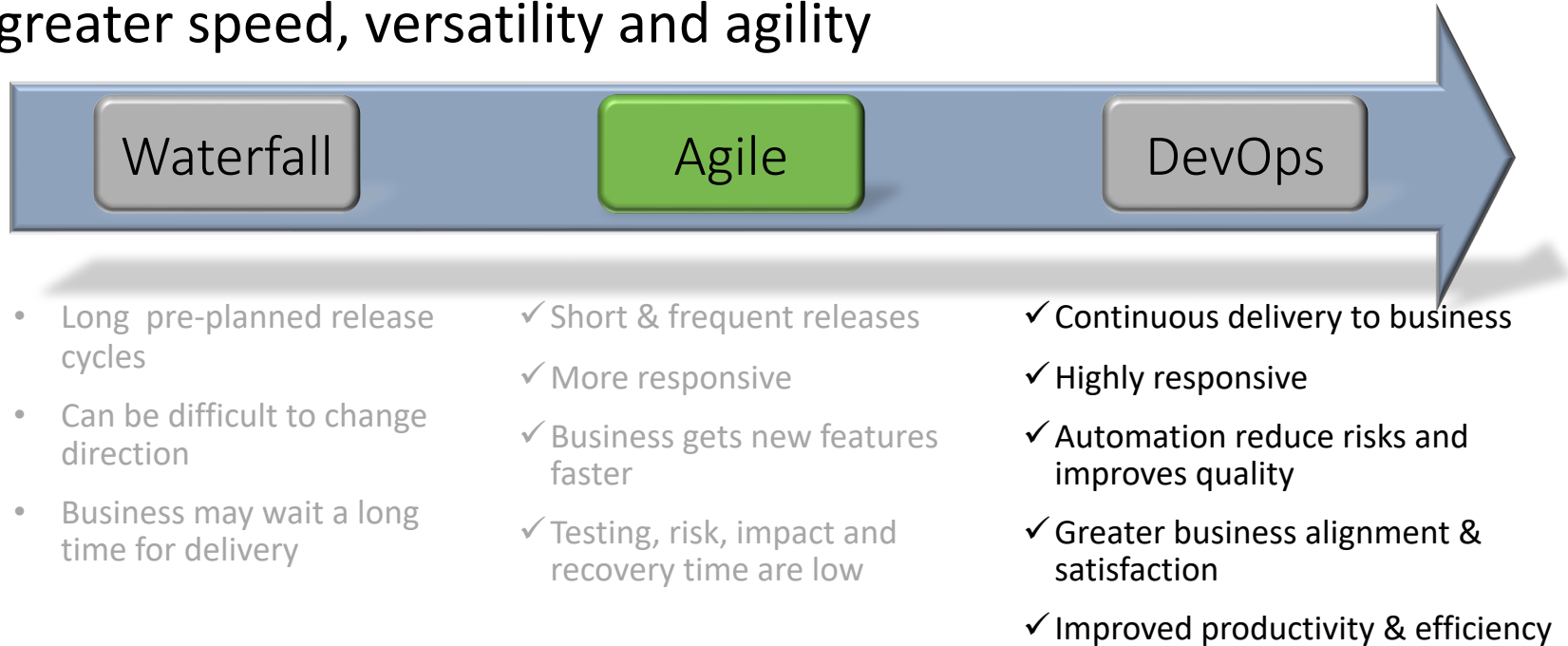
- 5G
- IoT
- R&D

Why Change IT Methodology?



Evolution towards agile/DevOps

DevOps is built on agile principles and provides a platform for greater speed, versatility and agility



DevOps Project Objectives

Increase velocity of
E2E delivery lifecycle

- Deliver measurable Business Value quickly
- Eliminate redundant manual effort
- Automate everything!

Increase productivity

- More Code
- Faster Feedback
- First time right!
- Component re-use
- Eliminate Environment Configuration Issues

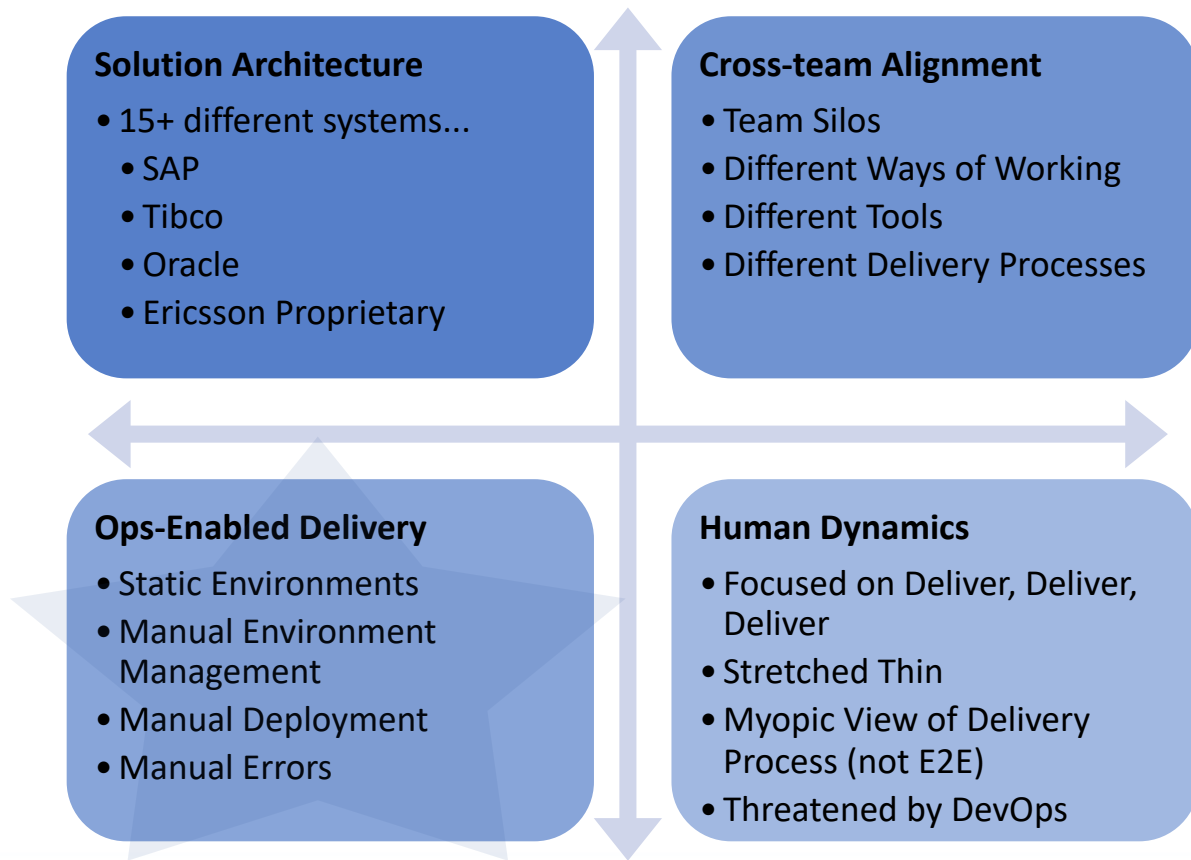
Reduce cost

- Cost of poor quality
- Cost of human error
- Cost of manual processes
- Cost of missing SLAs

Improve quality

- Software delivery
- Release management

Challenges in DevOps Transformation



DevOps Technical Strategy

Approach

Phase I

- Build a CI/CD Pipeline to Automate Build and Deployment
- Implement a microservices strategy

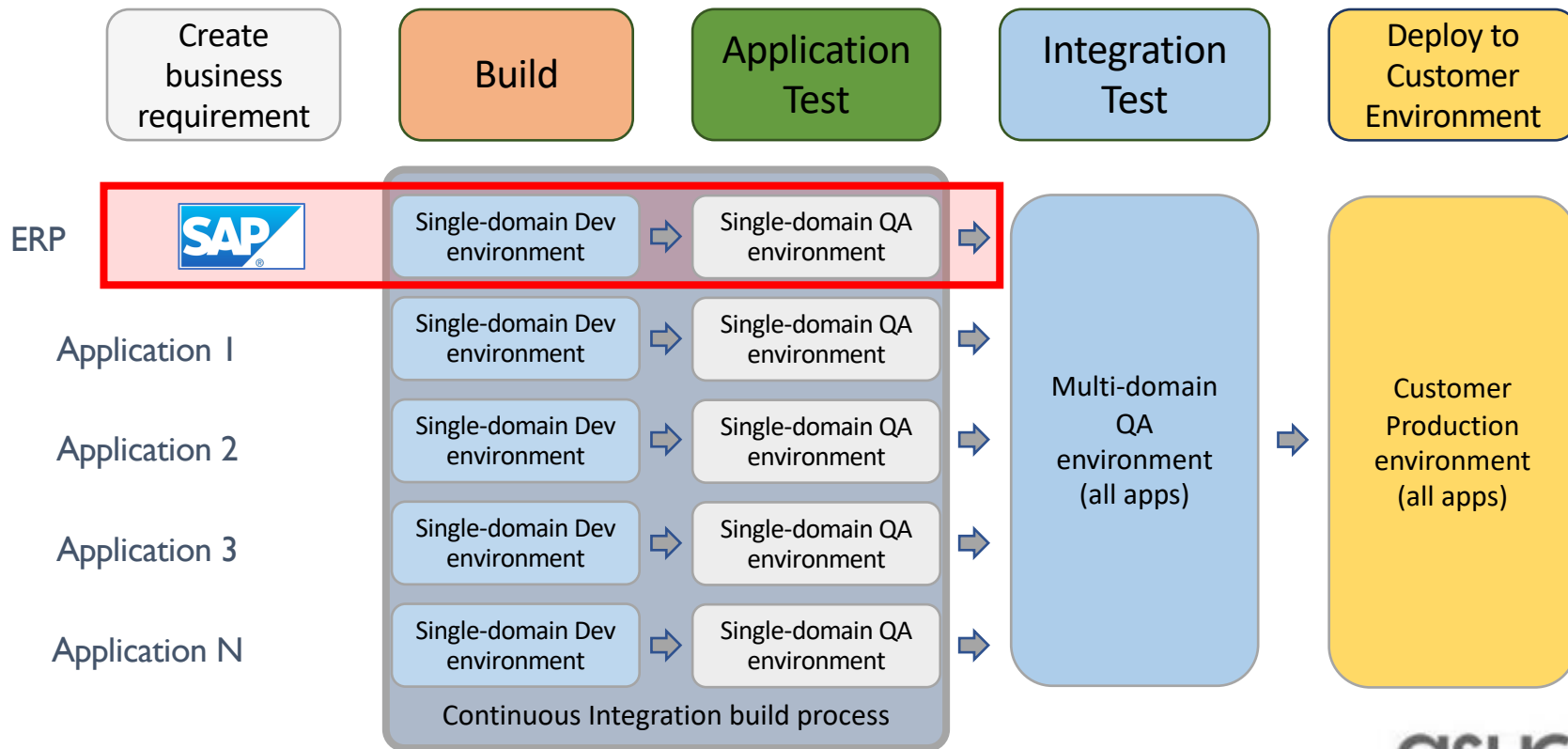
Phase II

- Containerize Apps
- Use App Containers to Build Environments
- Deploy to Containers as though they were servers

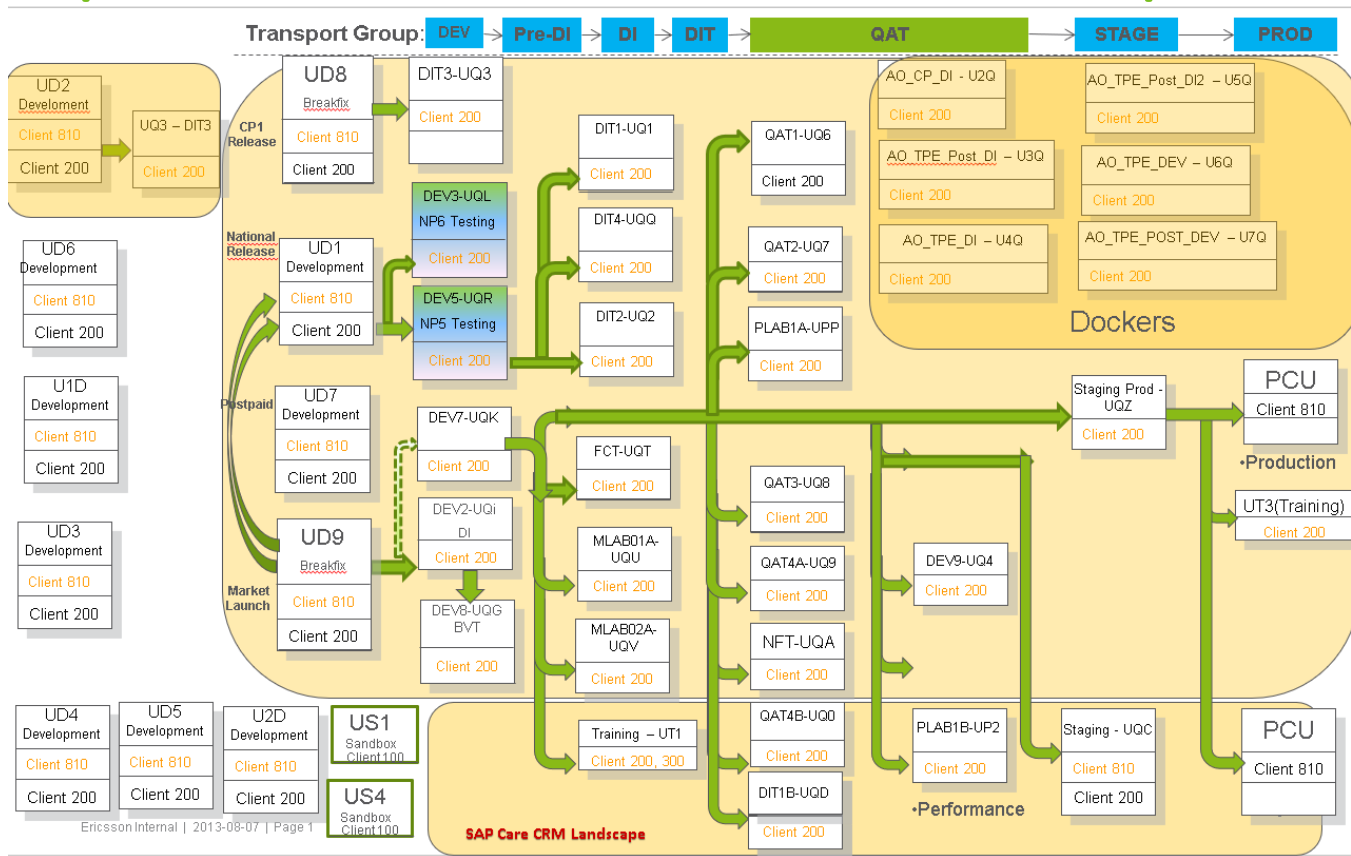
Phase III

- Build Containers within the CI/CD Pipeline
- Deploy Containers to Environments through and Orchestrated Delivery Platform

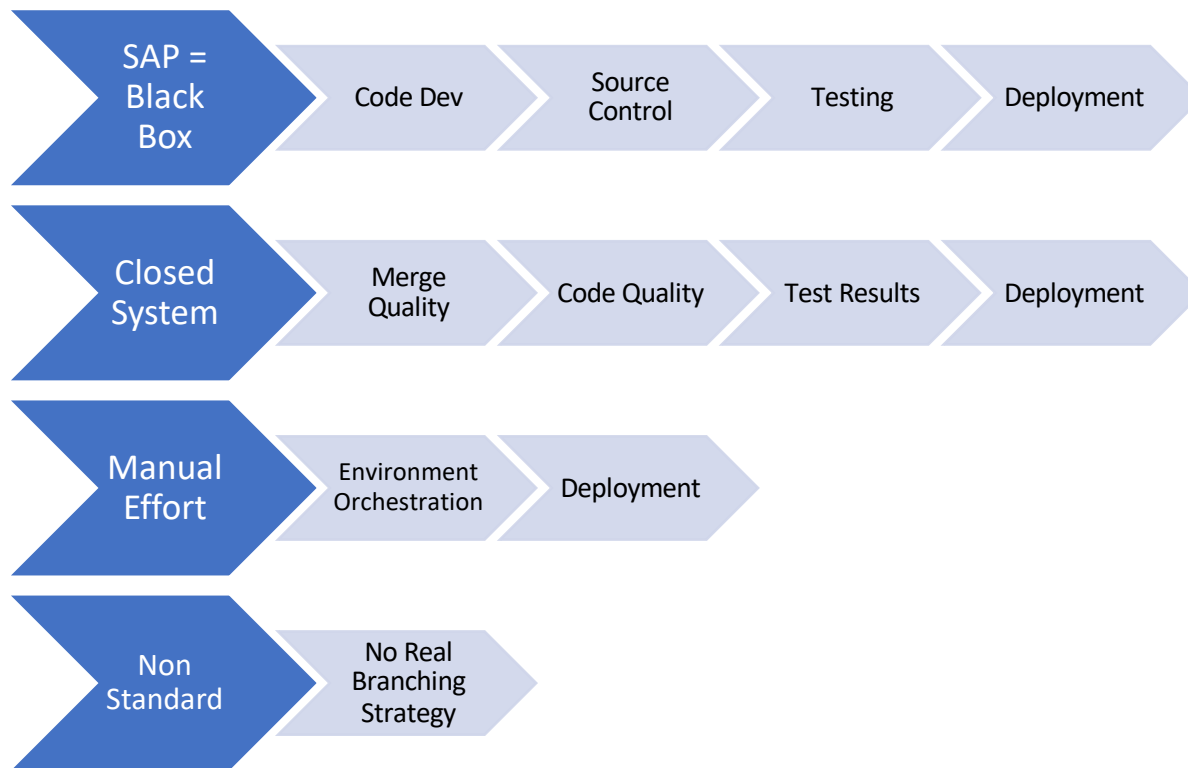
Multi-App Domain Delivery (SAP disconnected)



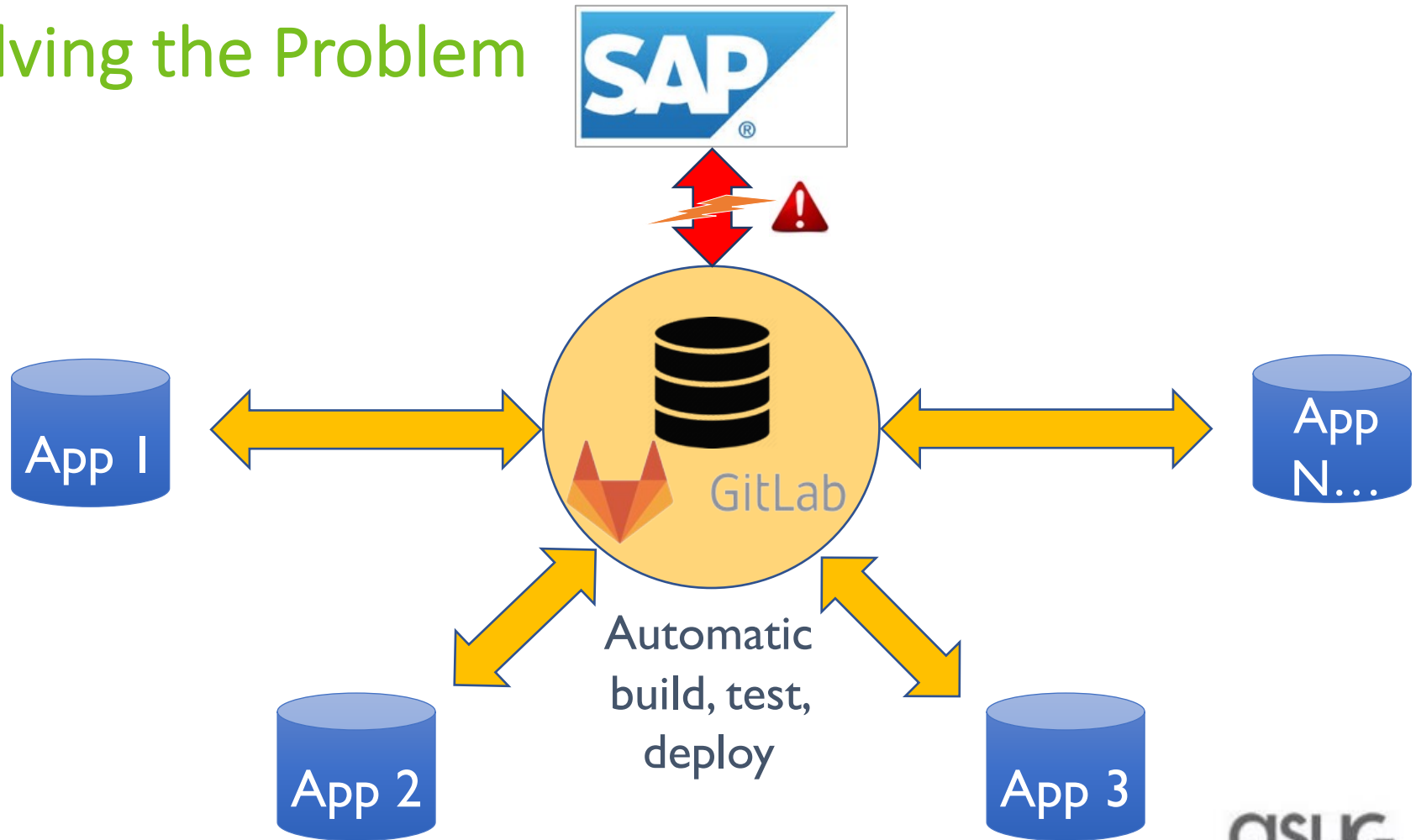
Complex, Multi-track SAP Landscape



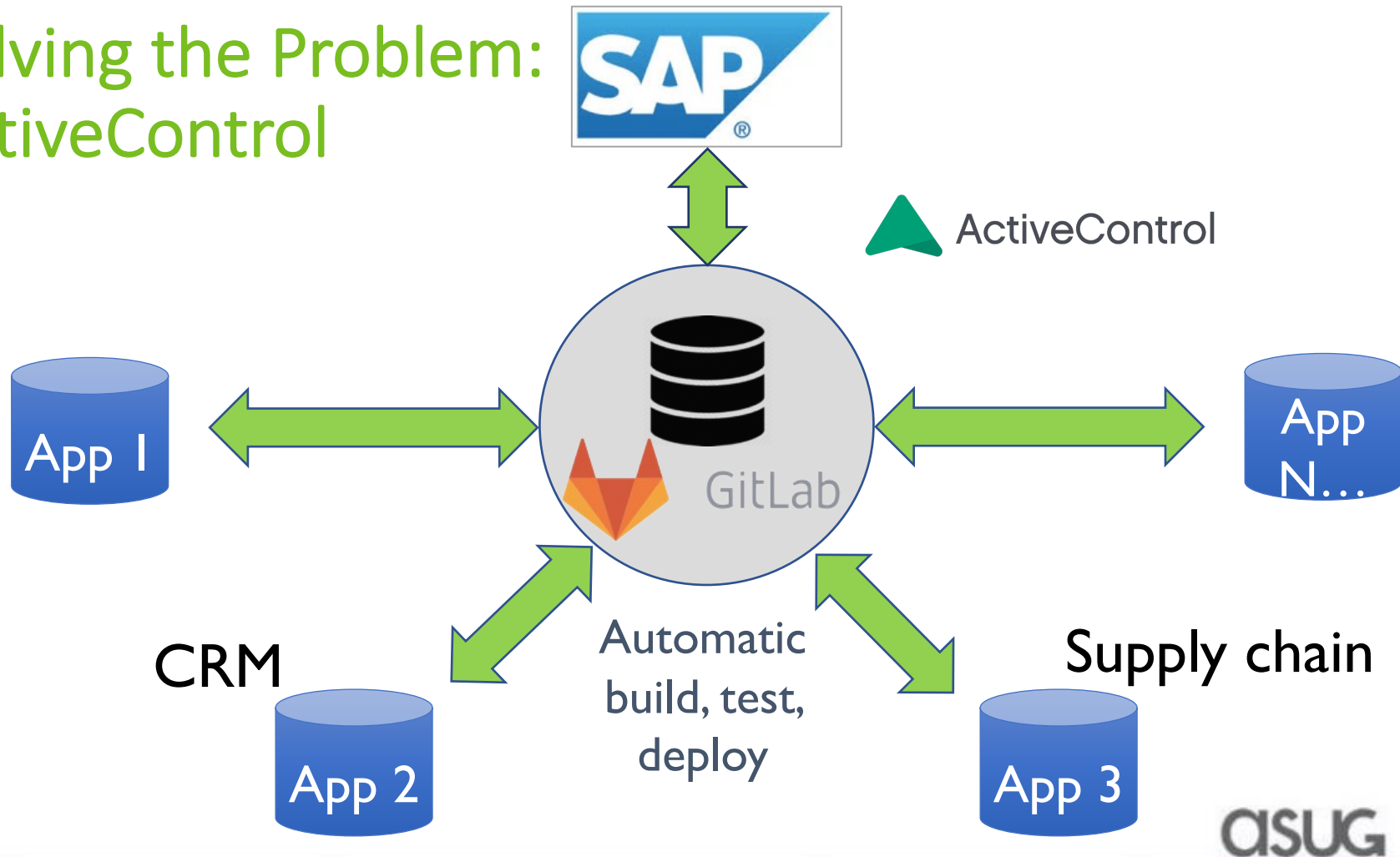
DevOps Technical Strategy: SAP Challenges



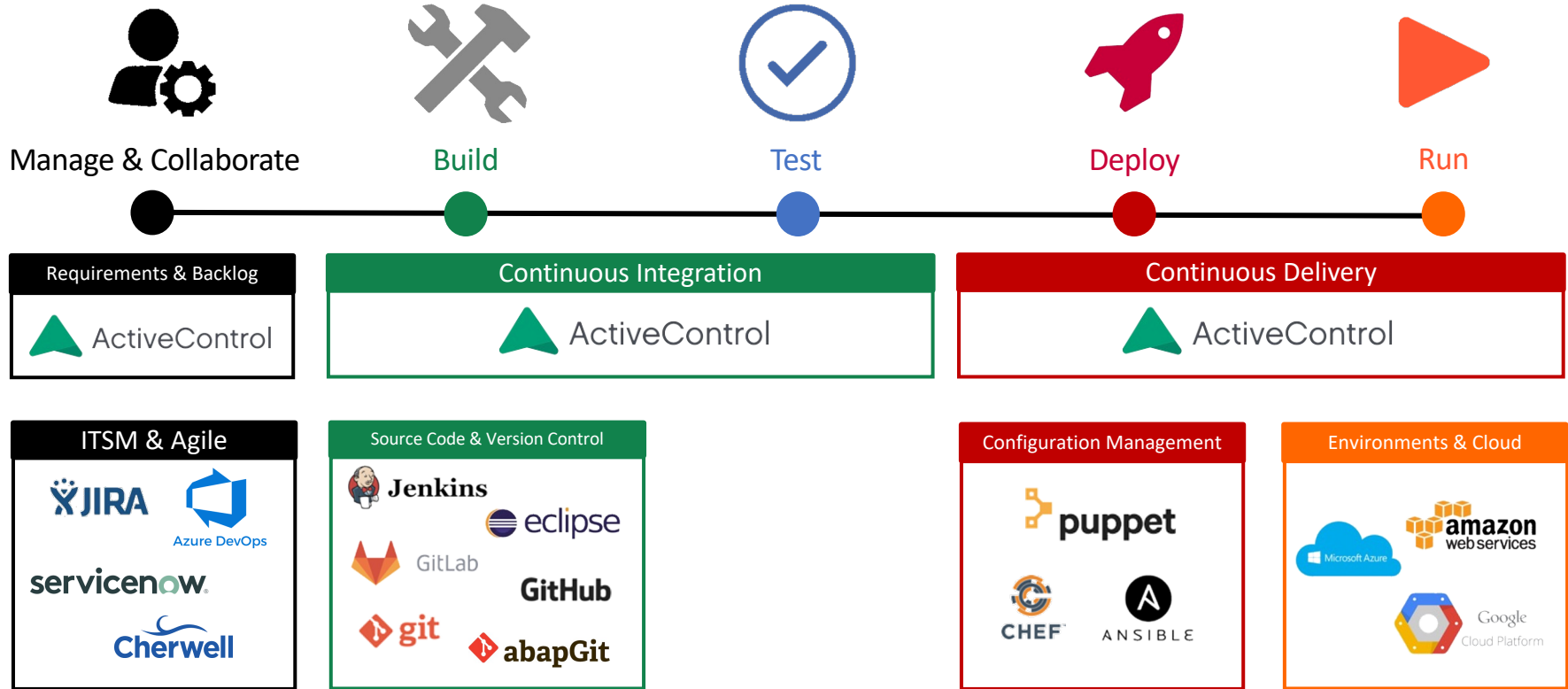
Solving the Problem



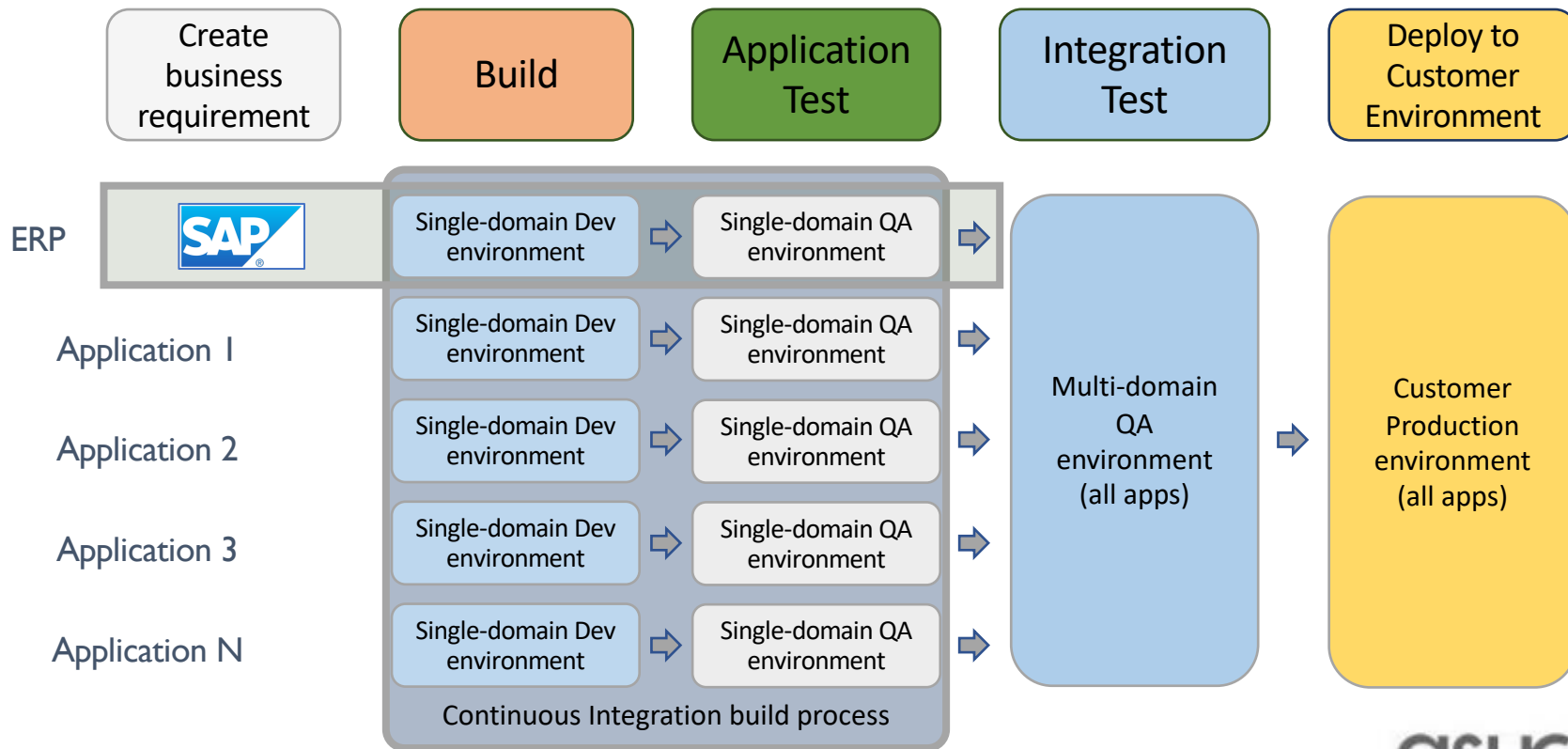
Solving the Problem: ActiveControl



Integrate Toolsets and Applications



Achieving Multi-App Domain Delivery (with SAP)



Continuous Delivery in Action



ActiveControl

Major telecom
provider

Co-ordinated,
automated
deployments across
15 IT applications,
including an **N+10**
SAP landscape

Continuous, on-
demand delivery of
up to **2,500 SAP**
transports in a 2-
week period

Seamless
management of
change across a
dynamic SAP
landscape

Benefits of ActiveControl

- Automatic, co-ordinated build, test and deployment of change (SAP and non-SAP)
 - SAP deployment in sync with other app domains
 - SAP deployment triggered automatically
- SAP development is integrated into wider application delivery process
 - SAP team delivers quality KPIs to project branch
 - Enables tracking and coherence in delivery process
- **Faster business response and product rollout** via frequent deployment of integrated, cross-application change

About Basis Technologies

- We build software automation that enables our customers to optimize the way they run SAP.
- We focus on bringing DevOps & Continuous Delivery to SAP environments
- Global offices serving customer base of multi-national brands



Questions?

www.basistechnologies.com

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