



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

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About The Customer



Global Telecomms leader:

- 120,000 employees
- > 45,000 patents



Business focus:

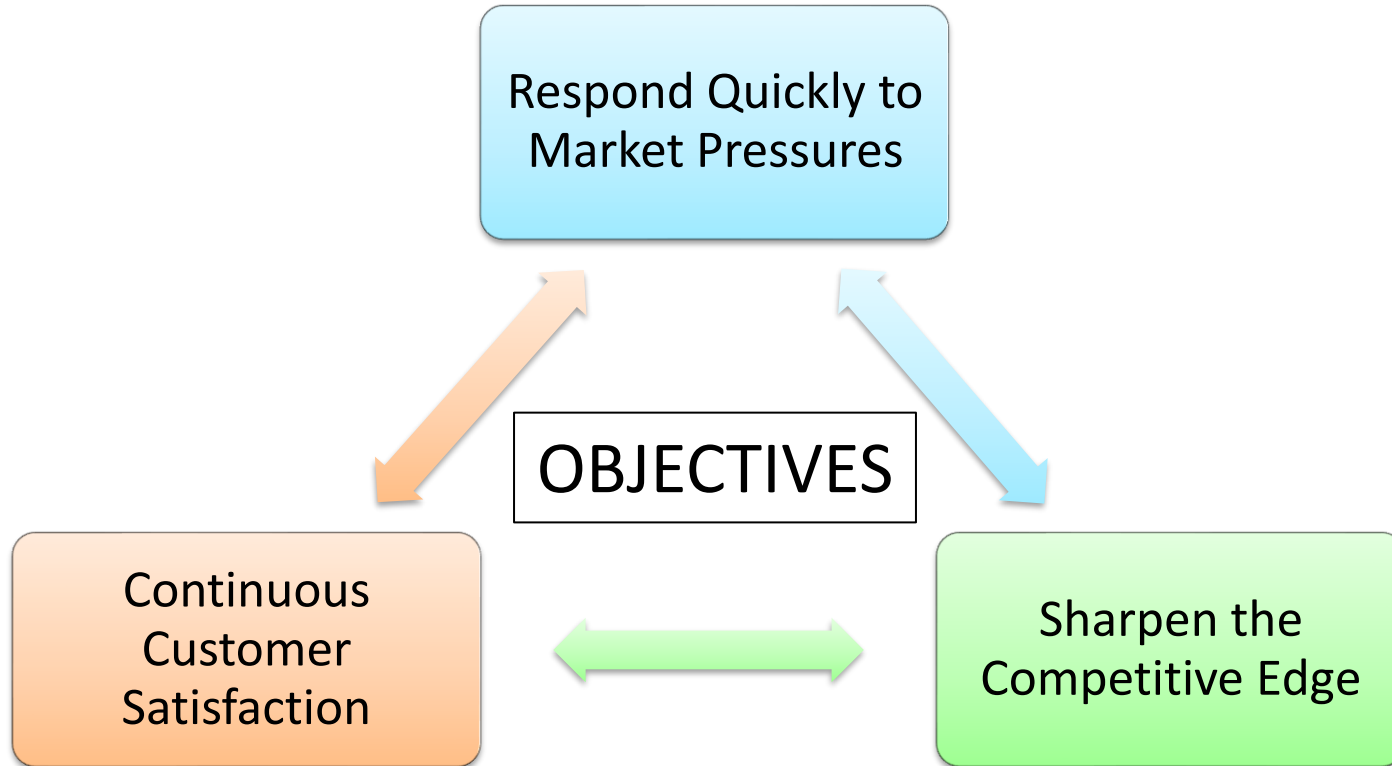
- Networks
- Digital Services
- Managed Services



Emerging Business:

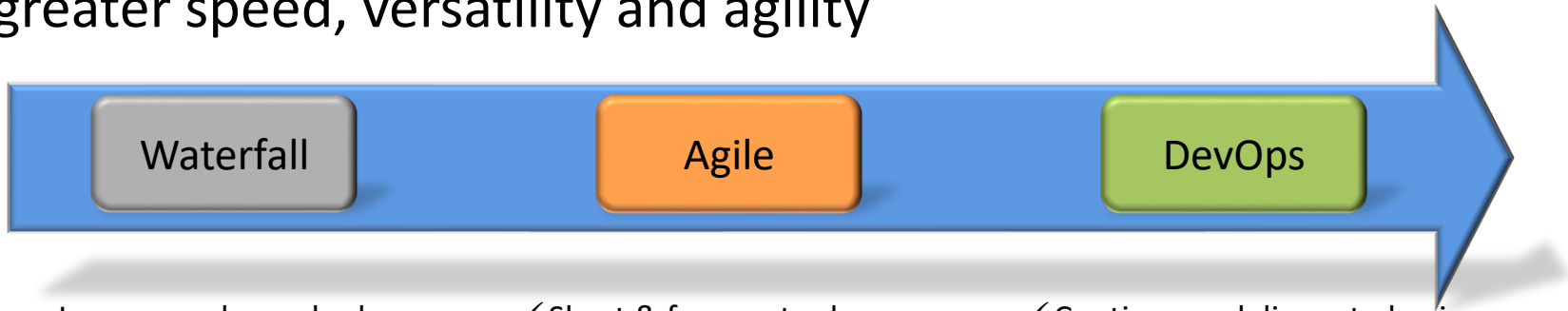
- 5G
- IoT
- R&D

Why Change IT Methodology?



Evolution towards agile/DevOps

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



- Long pre-planned release cycles
- Can be difficult to change direction
- Business may wait a long time for delivery
- ✓ Short & frequent releases
- ✓ More responsive
- ✓ Business gets new features faster
- ✓ Testing, risk, impact and recovery time are low
- ✓ Continuous delivery to business
- ✓ Highly responsive
- ✓ Automation reduce risks and improves quality
- ✓ Greater business alignment & satisfaction
- ✓ Improved productivity & efficiency

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

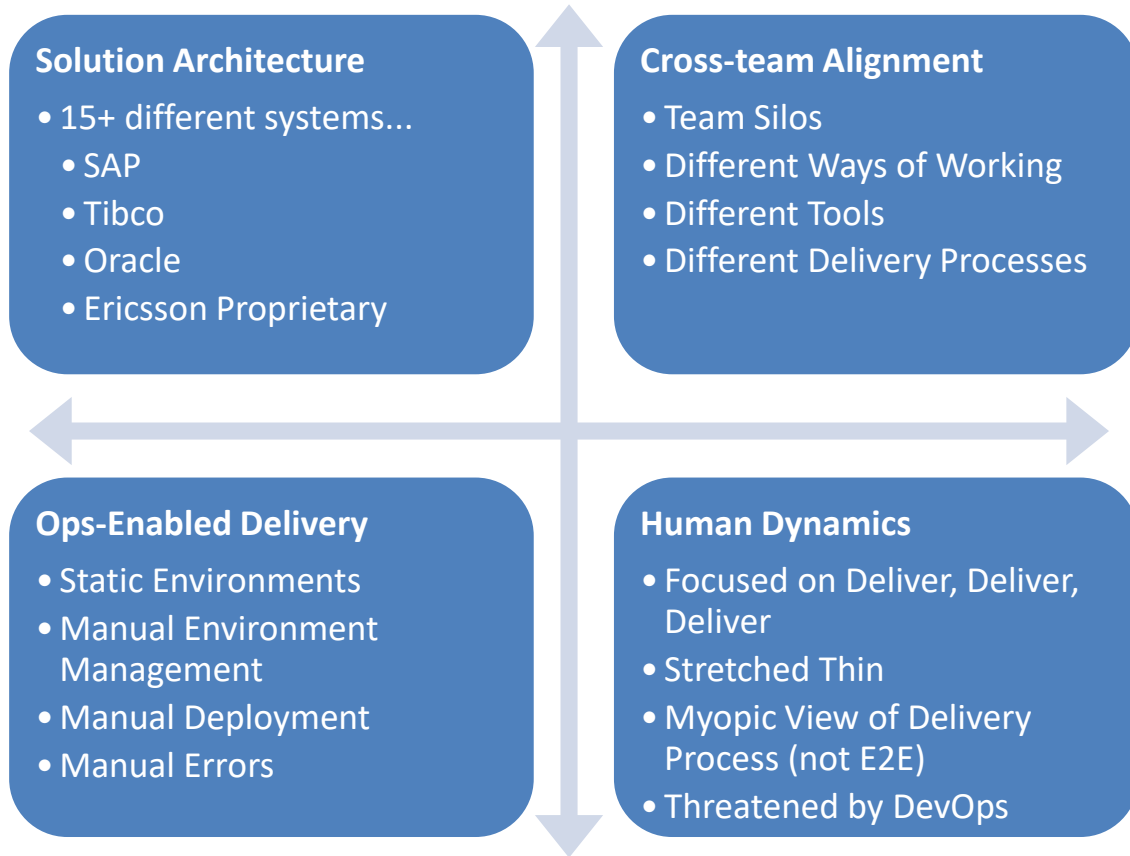
Reduce cost

- 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

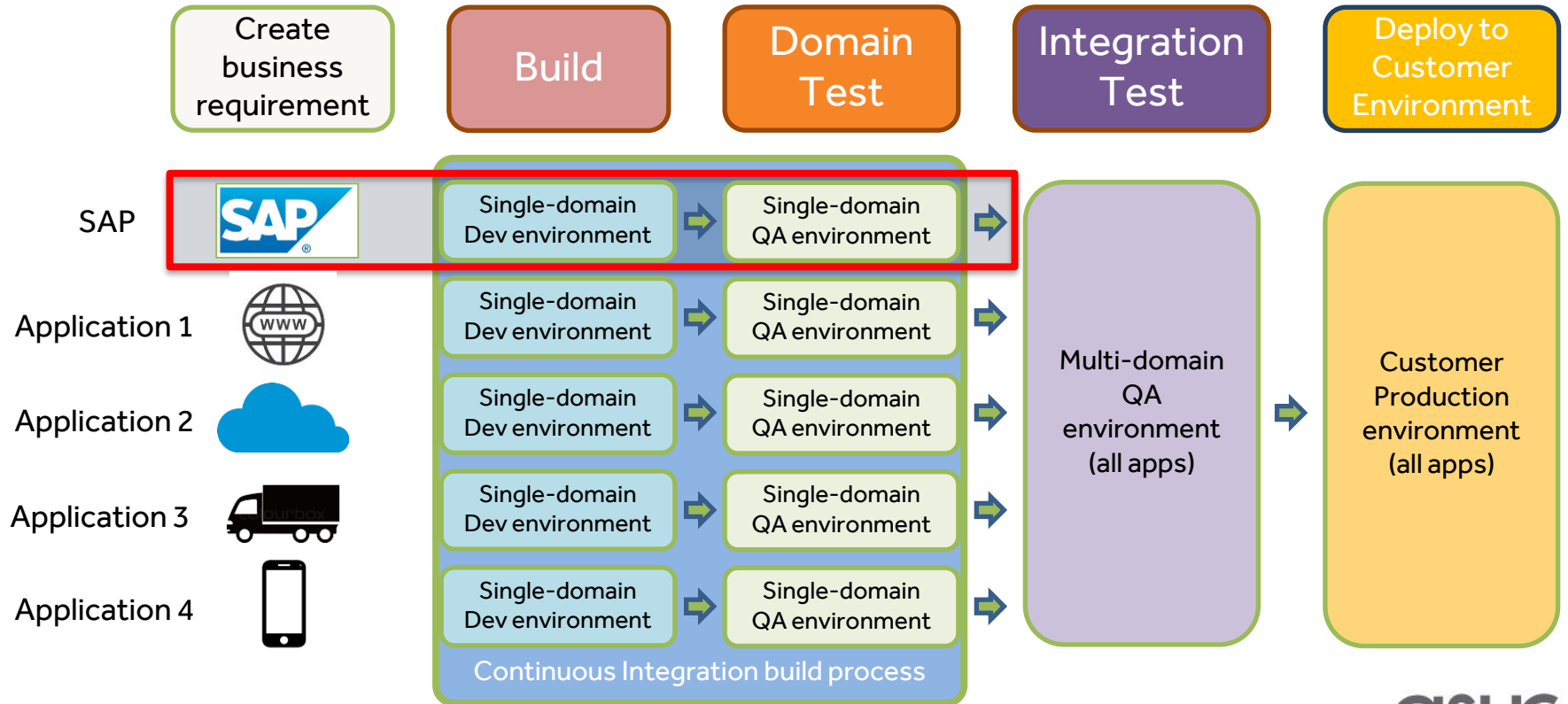
Phase II

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

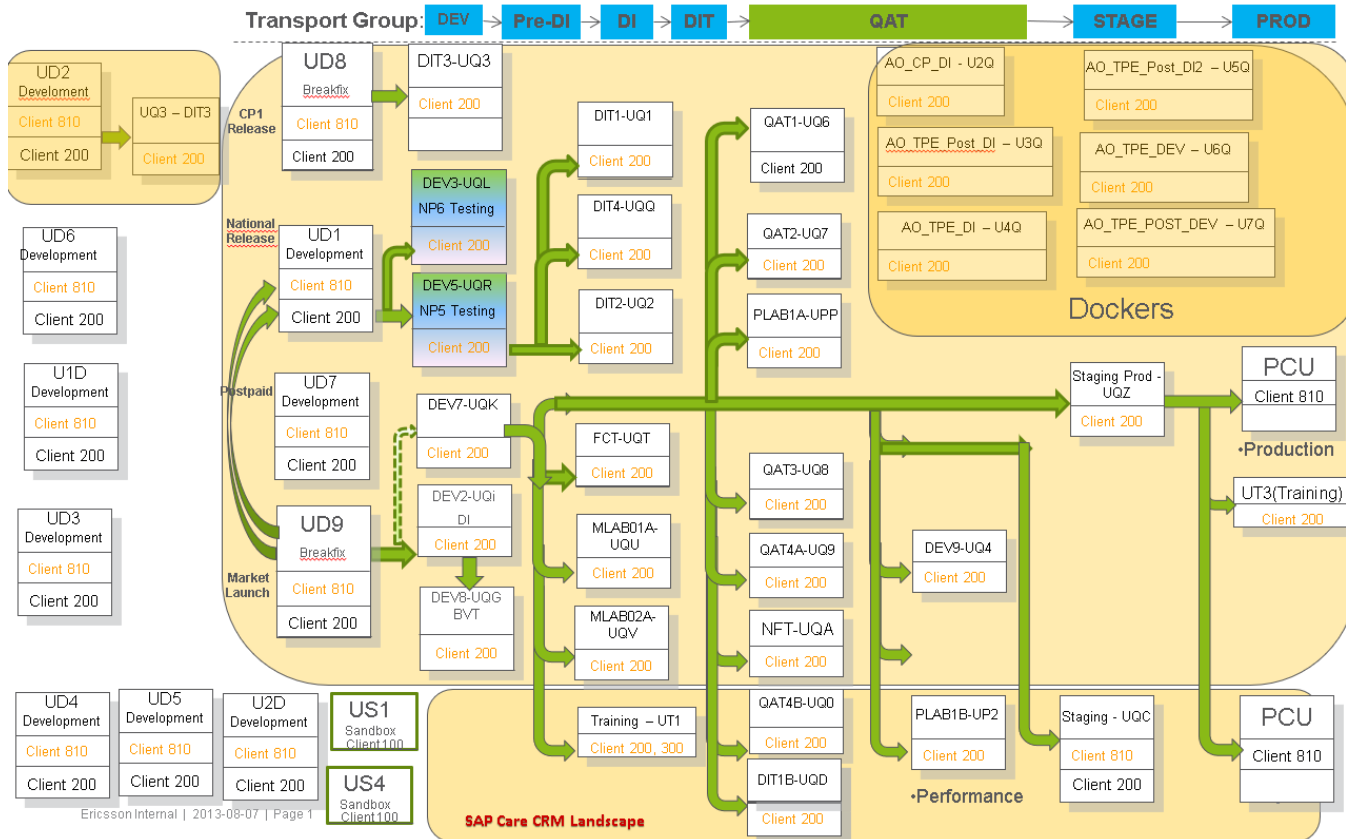
Phase III

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

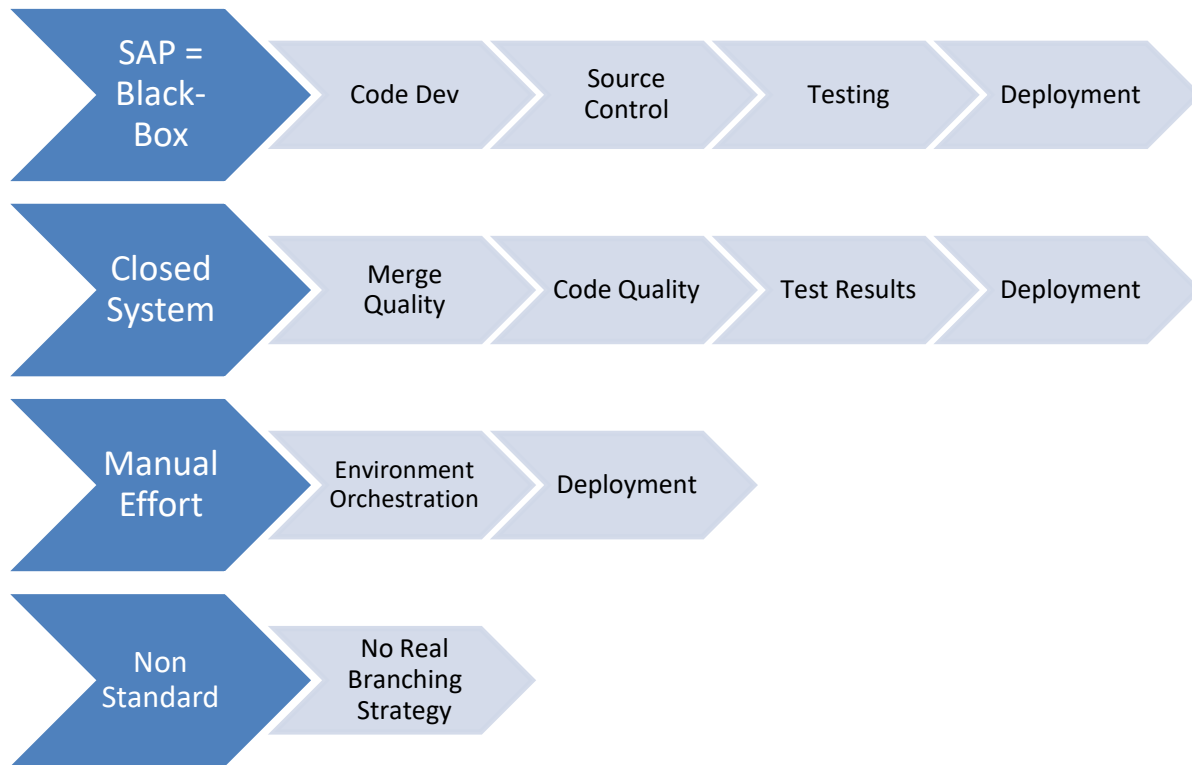
Achieving Multi-App Domain Delivery (with SAP)



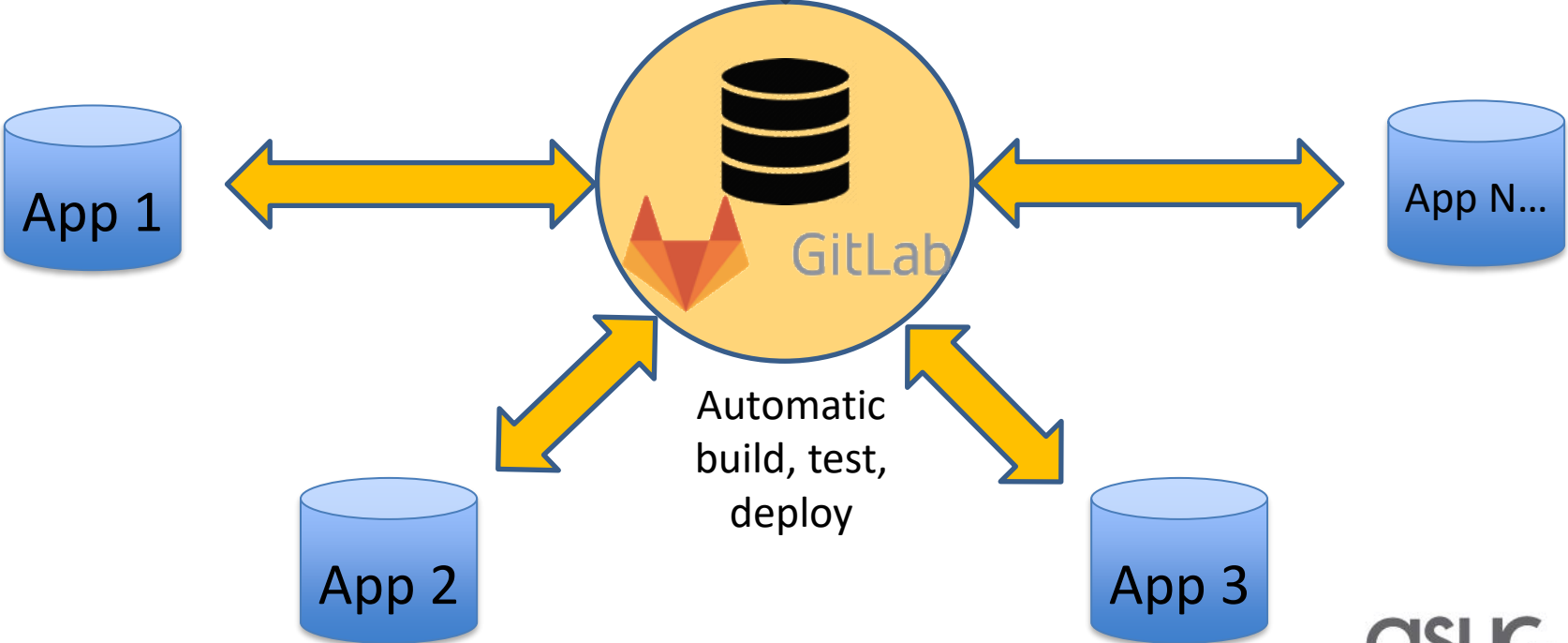
Complex, Multi-track SAP Landscape



DevOps Technical Strategy: SAP Challenges



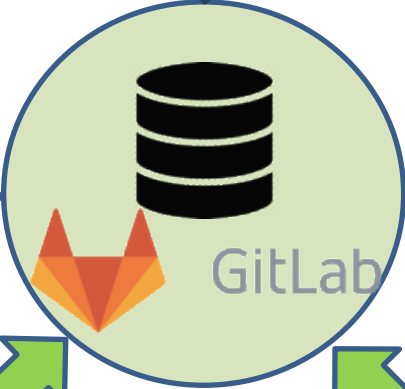
Solving the Problem



Solving the Problem: ActiveControl



ActiveControl



App 1



App N...



App 2



App 3



ActiveControl



Fast, flexible, safe
change and release
automation



Adopt DevOps for
on-demand SAP
delivery. Integrate
into wider tool chain.

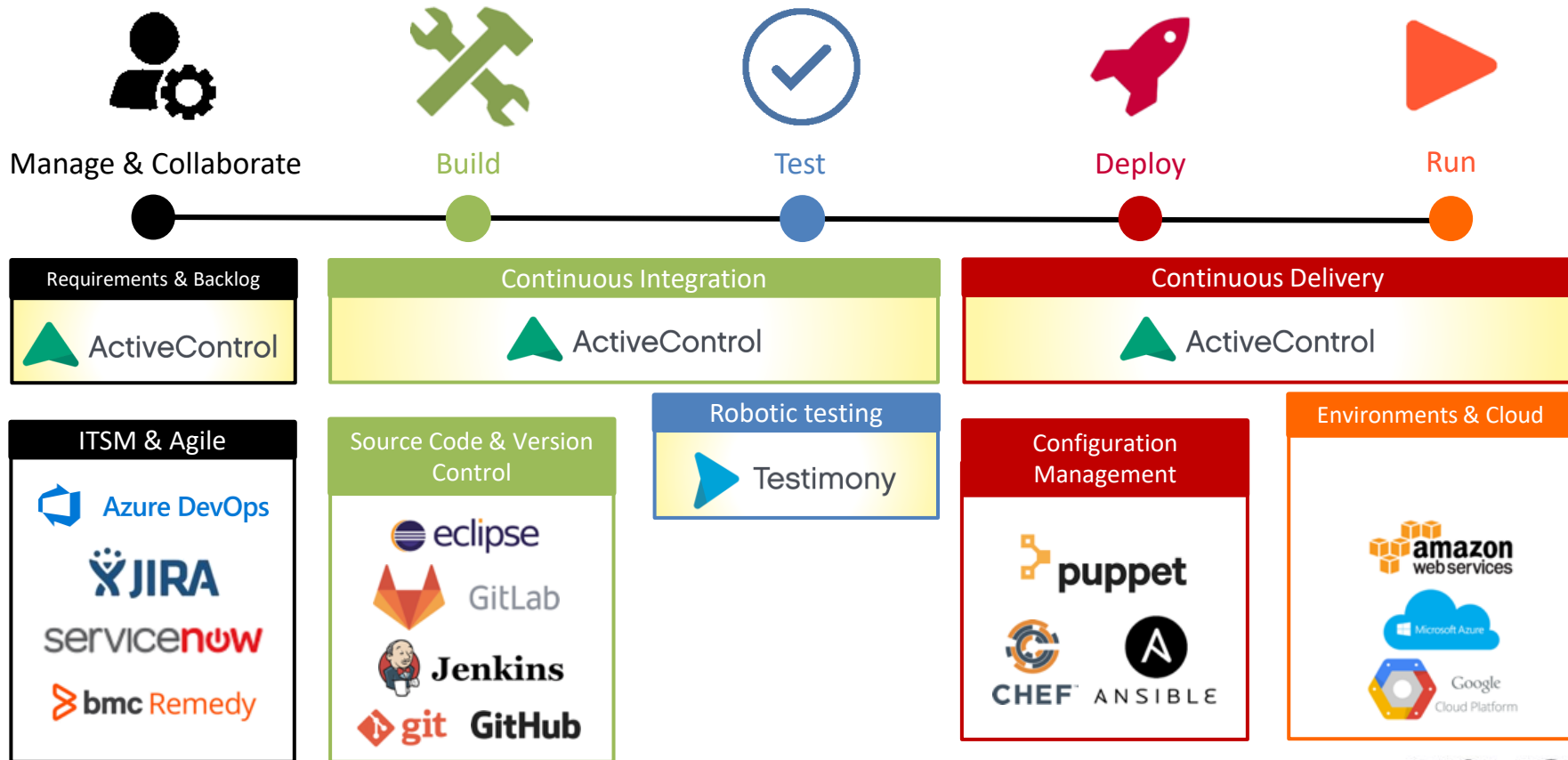


S/4HANA
transition
support &
synchronization

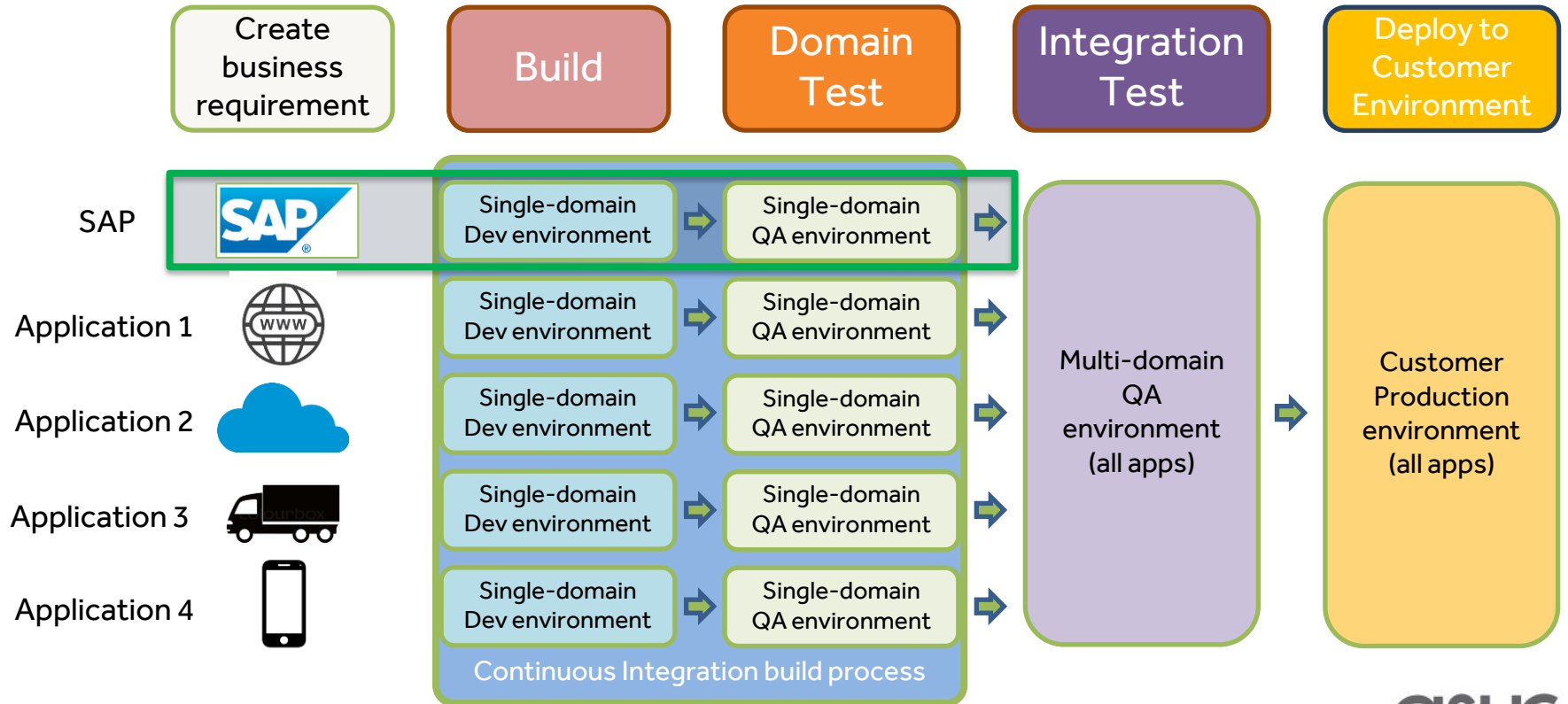


Fast
implementation;
rapid ROI

Integrate Toolsets and Applications



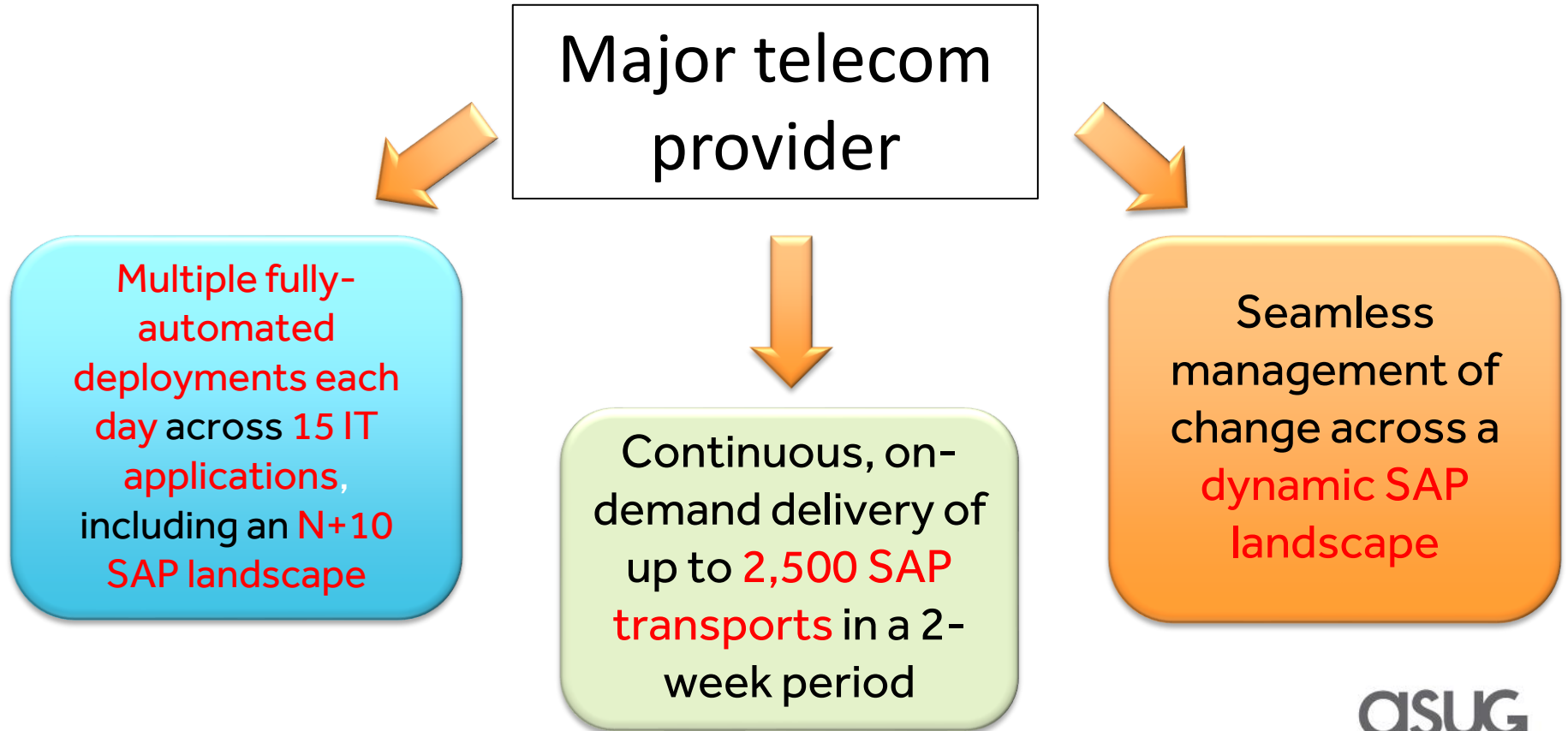
Achieving Multi-App Domain Delivery (with SAP)



Benefits of ActiveControl

- Automatic, co-ordinated build, test and deployment of change (SAP and non-SAP)
- SAP development is integrated into wider application delivery process
- **Faster business response and product rollout** via daily 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

T Mobile



StanleyBlack&Decker



NBCUniversal



MOLSON
COORS beverage
company

HONDA
The Power of Dreams

ASUG

Thank You

- Any questions?
- Contact me at eran@basistechnologies.com
- Visit us at www.basistechnologies.com

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GitLab



GitLab

CI pipeline

ActiveControl



Create business requirement

Single-domain environment (e.g. SAP)

Multi-domain environment (all apps)

Check in SAP info (incl. Task ID)

- Branch name
- Code scan
- Unit test
- Peer code review
- Additional info



GitLab



GitLab

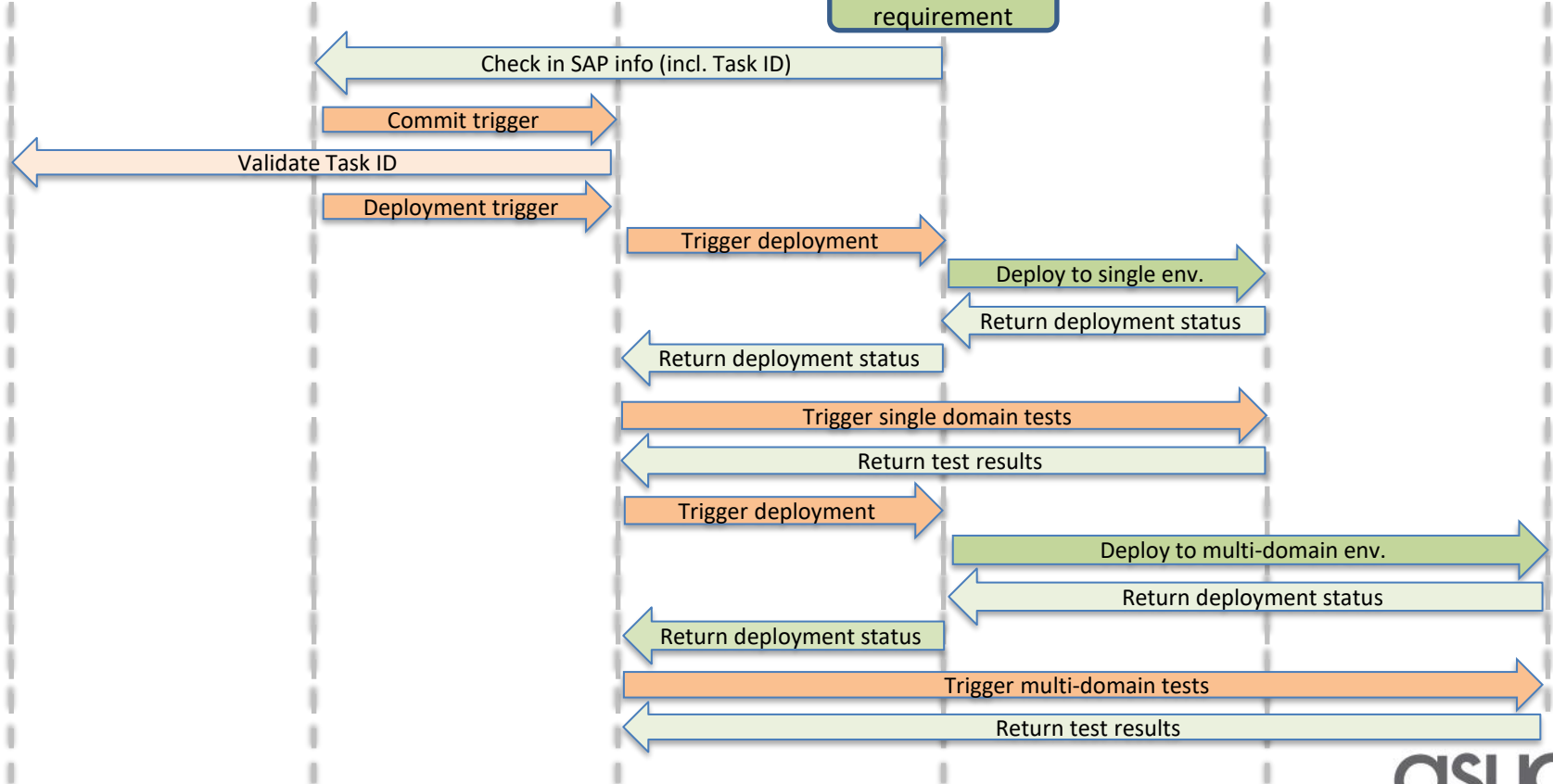
CI pipeline



ActiveControl

Single-domain environment (e.g. SAP)

Multi-domain environment (all apps)



Achieving Multi-App Domain Delivery

