



Integrating SAP into DevOps Pipelines: Why and How

A Basis Technologies webinar





Today's Presenter

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Today's Agenda

- Why should DevOps professionals care about SAP?
- Why is DevOps in SAP different?
- How do we get started?
- Real-world example of DevOps for SAP

About Basis Technologies

- Software automation that changes the way our customers run SAP
- Pioneers of DevOps & Continuous Delivery for SAP
- The most complete DevOps and test automation platform engineered for SAP
- Founded in 1997; SAP Experts
- Global presence: London, Dallas, Sydney, Berlin, Budapest



SAP® Certified
Integration with SAP S/4HANA®

SAP® Certified
Powered by SAP NetWeaver®



Clients

Some of the world's most famous brands trust Basis Technologies' SAP automation software

Booking.com



NBCUniversal



Why Care About SAP?



Everybody knows DevOps works... Don't they?



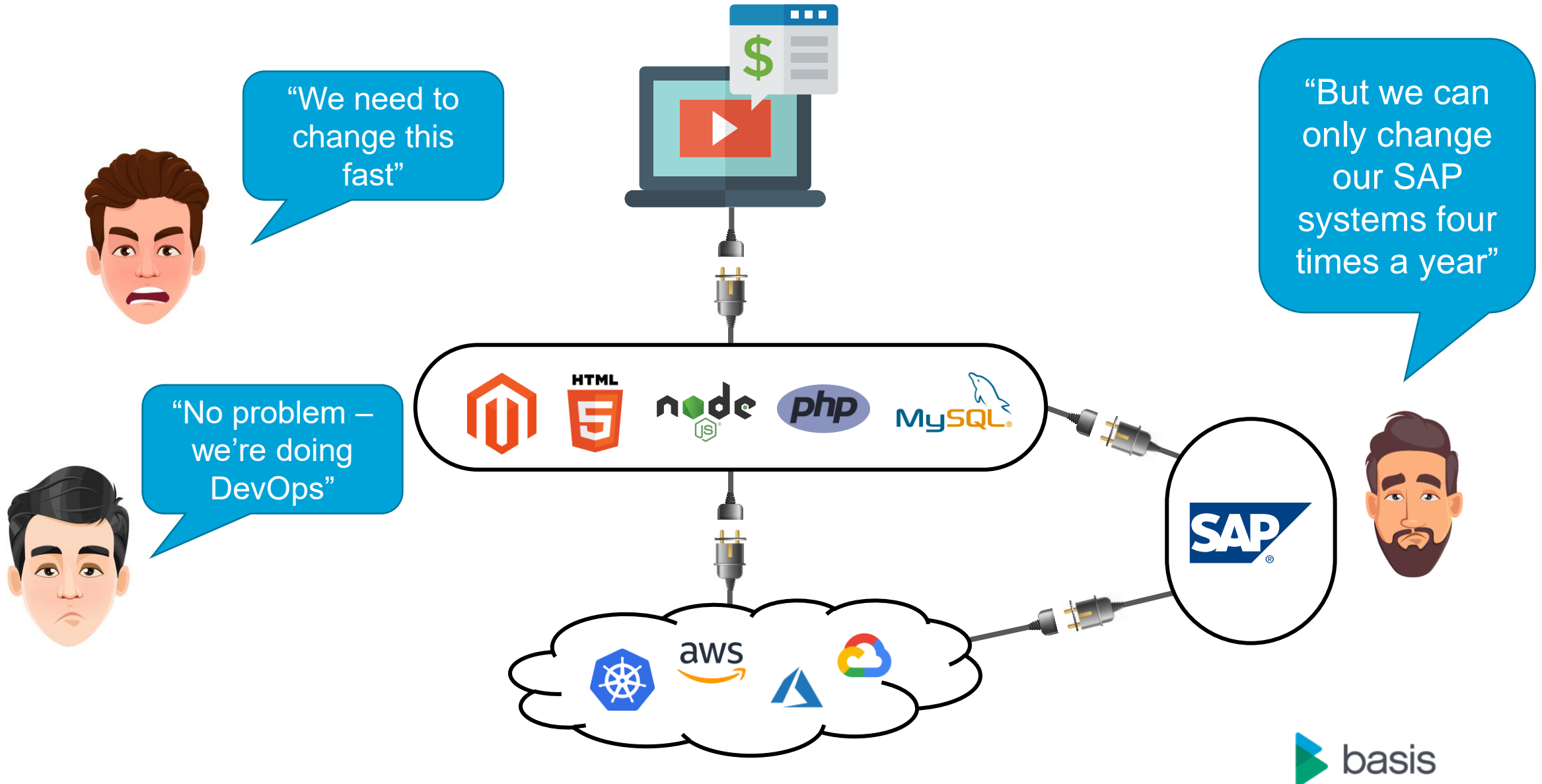
The rest of IT

Many SAP teams still use a waterfall development approach

- Typical SAP release cycle might still be 2 or 4 times **per year**



Why Everyone Should Care About SAP





DevOps in SAP: What's Holding Firms Back?



DevOps in SAP: What's holding firms back?

**Architecture
&
Technology**

**Shared
development
& code
repositories**

Culture

**Different
tools;
No
integration**

**Risk
aversion**

Architecture & Technology

SAP changes are built and deployed in a unique way...

- Code is typically written in ABAP
- Only one version can exist in a 'live' system
- Deployment uses 'transports'
- Huge, complex databases
- Configuration really matters

Using standard tools SAP developers cannot...

- Automatically build, test and deploy change
- Co-ordinate change with other applications
- See what everyone else is working on

A large blue umbrella with the SAP logo on its side, positioned in the lower right quadrant of the slide. The background of the entire slide is a pattern of many smaller, darker blue umbrellas.

SAP

SAP: Different tools, No integration

sumo logic



Jenkins



Shared environments

Multiple teams manage concurrent projects, create new features or change existing code in **the same code base**

They might all need to change the same code objects



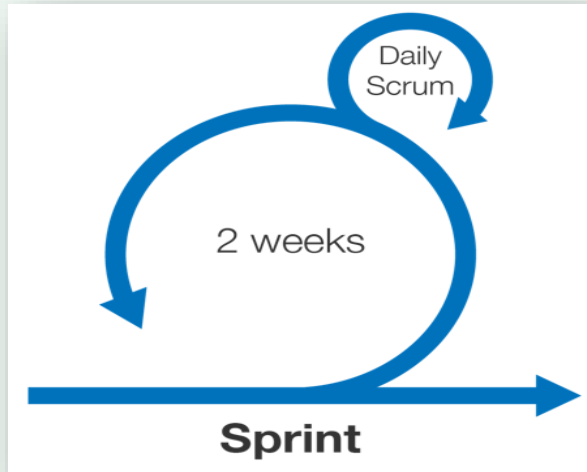
In SAP, the shared development system & codebase leads to:

- ! Object locking & delays
- ! Manual undoing / backing out code of changes
- ! Sequencing & dependency issues for SAP transports

Getting Started with DevOps for SAP



What do we need to change in SAP?



Evolve to an agile methodology
(Process)



Remove team silos to create a collaborative culture
(People)



Integrated toolsets
(Technology)

Making the case for DevOps in SAP

Speed

"solve the slow SAP releases problem"

Integration

"tightly coupled cross-application delivery"

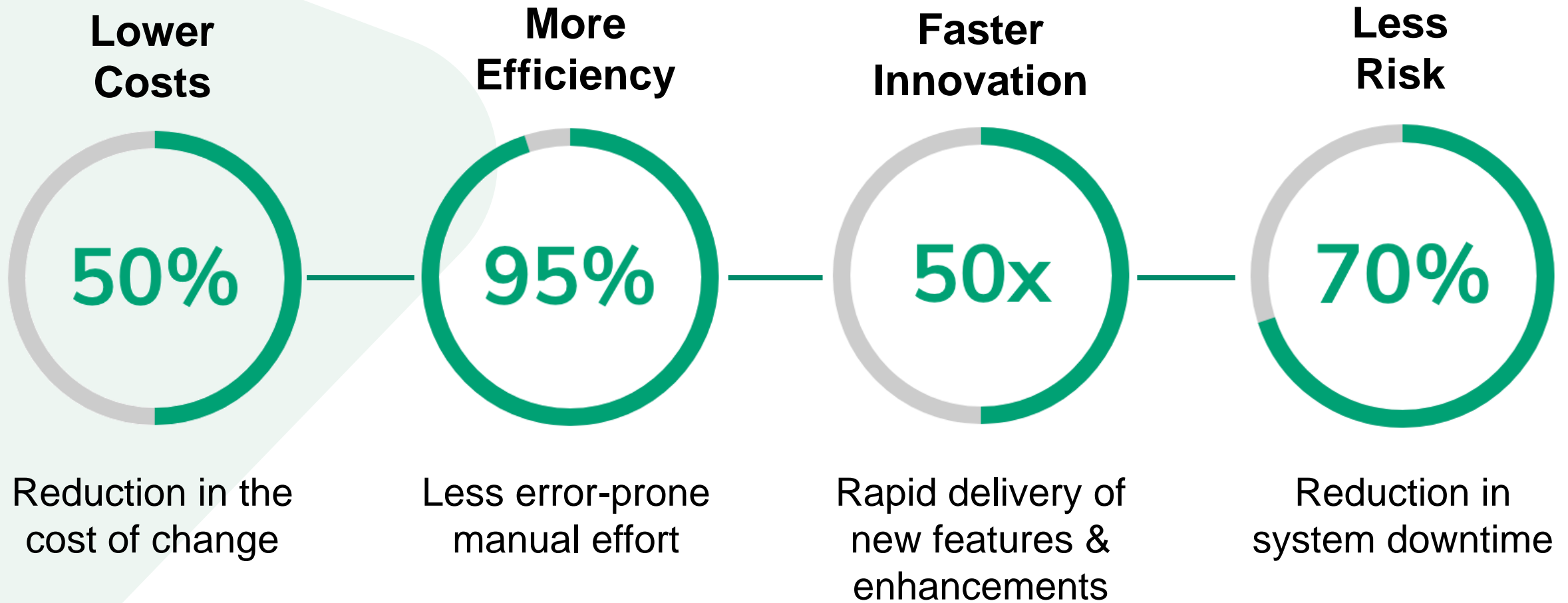
Visibility

"centralized and unified for improved collaboration"

Security

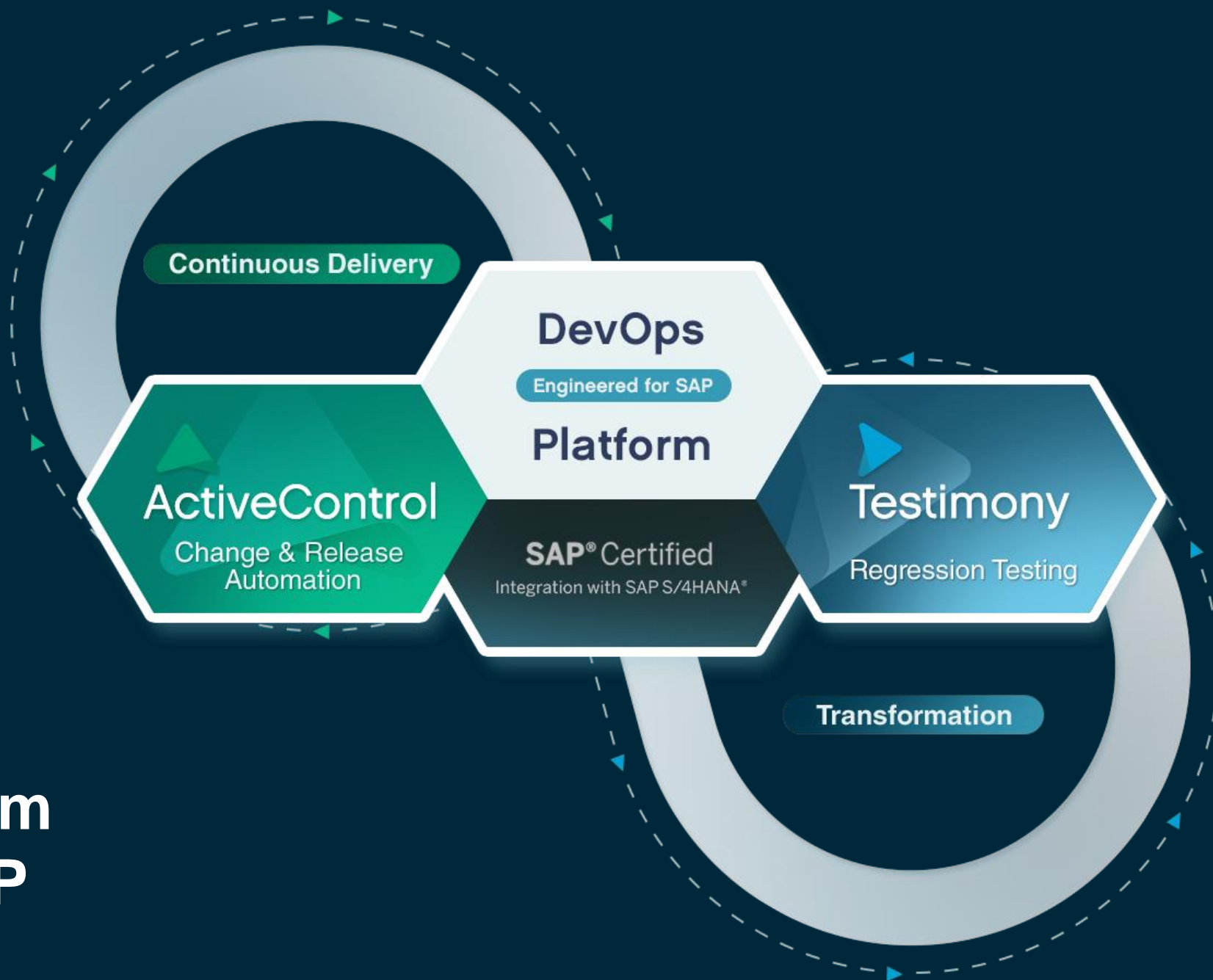
"introduce safeguards and improve protection"

Measurable benefits from SAP DevOps automation





**The only complete
DevOps and Test
automation platform
engineered for SAP**



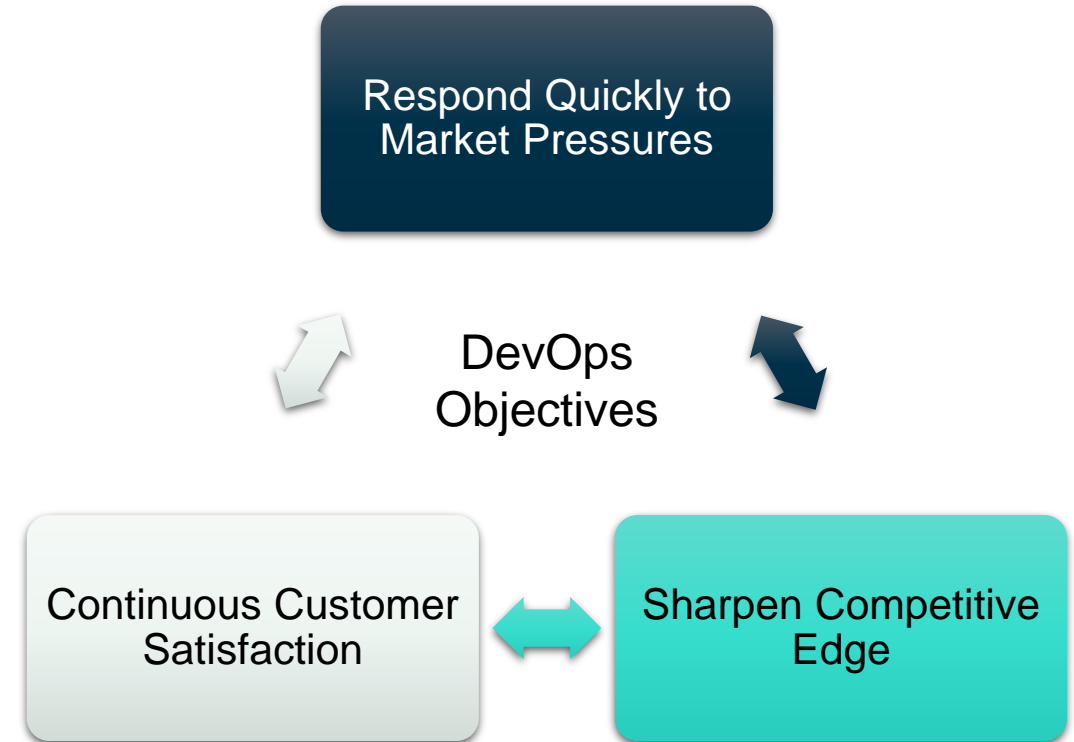
Real World SAP DevOps Example



DevOps for SAP @ Ericsson

Challenges

- Project to move to an IT-wide continuous delivery model based on **DevOps**
- **SAP was disconnected** from other non-SAP application delivery
- **Different tools and teams** were involved with **little communication**
- **SAP became a blocker** to full DevOps adoption



DevOps for SAP @ Ericsson

Challenges

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Outcomes...

- ✓ Successfully used ActiveControl to support SAP DevOps
- ✓ Harmonized agile and CI/CD processes (N+10 in SAP)
- ✓ Integrated SAP into cross-application delivery pipeline
- ✓ On-demand delivery of SAP change
- ✓ Faster response to business & customers

Wrap-up



Summary

- DevOps professionals should consider SAP
- Both DevOps and SAP teams can benefit from greater collaboration
- A 'standard' DevOps approach won't work in SAP
- Architecture, tools, culture and mindset are all different
- DevOps is achievable in SAP today, and delivers tangible benefits
- Companies have already started to make the journey



Questions?

Demo or Follow-up?

Contact Basis Technologies:
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