

# HIGH QUALITY TESTING

## SAP TESTING

Innovative automation  
with DevOps for SAP



# THE TECHNOLOGY BEHIND

## What you need to know about our service

**DevOps for SAP will work only if you integrate test automation as early as possible and right from the beginning of the life cycle and automate processes and transports to have fast feedback loops.**

### SAP + AGILE + DEVOPS -> ADOP FOR SAP, DOES THAT WORK?

Everything around SAP is up-to-date and SAP itself is an old school island with big release cycles between 3-6 months and not being flexible for the market. But no more! We are helping our SAP clients with the paradigm shift to a filtering quality approach by increasing the test automation already at the beginning of the development life cycle. Lean engineering is rapidly evolving alongside the S/4HANA transformations.

We have seen that our SAP clients are looking for end to end solutions that serve as catalysts to speed up their ways of working. We have developed a showcase that clearly demonstrates how the best of new IT and SAP can be leveraged to stay competitive. Deep expertise from the SAP Quality & Testing and

DevOps capabilities is integrated and made fit for delivery with our Agile/4SAP coaches. In short, we have implemented a real solution to show how to automatically validate and deploy solutions faster to the market in SAP.

### INNOVATING WITH AUTOMATION IS THE KEY

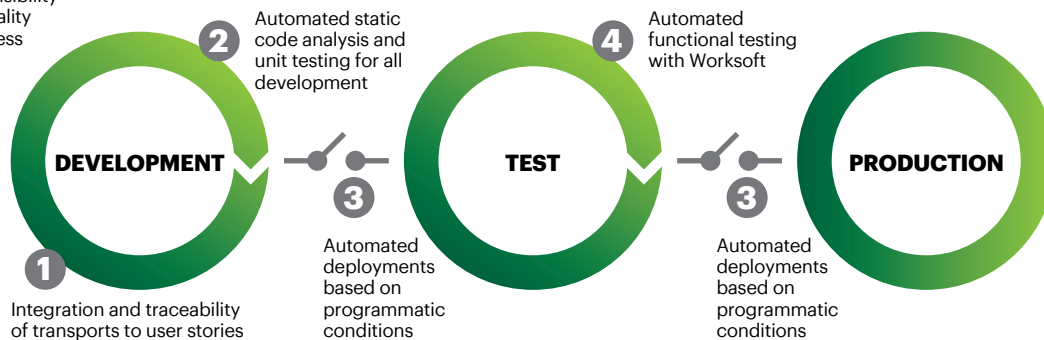
To build the showcase, we used the S/4HANA innovation center in Kronberg to create our solution using ADOP for SAP which is Accenture's DevOps platform. ADOP orchestrates agile and continuous delivery concepts by integrating standard open-source tools and code-less automation tools like Worksoft Certify: best-in-class test automation for SAP. With our solution test automation is used right from the beginning of the project life cycle with processes and transports automated in addition to having fast feedback loops.

## ORCHESTRATION LAYER

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### DEVOPS DASHBOARD

Real-time visibility of code quality and readiness



### TOOLS



ACCENTURE  
ACTRS



<https://jenkins.io/>



### RAPID

Accenture's DevOps platform is flexible and can be used on **cloud** as well as **on-premise** or even on mixed solutions.

### CONSISTENT

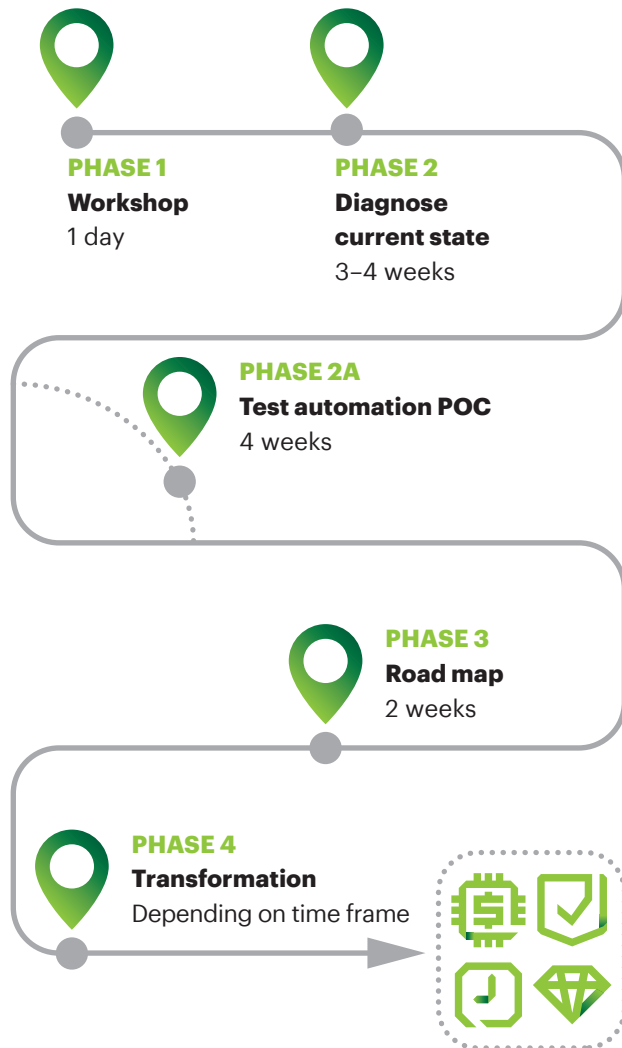
Even if our solution is intended to be used for **SAP** projects, the whole end-to-end cycle including **non-SAP** applications can be integrated easily.

### BEST TOOLS

We have integrated standard open-source tools which are mainly already in place on client side so that this solution can be quickly **customized**. But other tools can be also **adapted** individually.

# PROJECT ROADMAP

## How can we start the journey?



### PHASE 1

#### Kick off workshop and demo ADOP for SAP

- Explanation of DevOps
- Options for automation with SAP
- Market analysis
- Benefit potential and challenges
- How to address the challenges
- Demo of ADOP for SAP
- How to get started

### PHASE 2

#### Assess the current situation

- DevOps maturity assessment
- Test automation assessment

#### Analyze outcomes

### PHASE 2A

#### Perform POC for test automation as basis for DevOps (only if test automation is not sufficient)

### PHASE 3

#### Joint definition of objectives and development of roadmap

- After assessment results the transformation roadmap is defined in more detail considering the priorities given by the client

### PHASE 4

#### Accelerated transformation

- If no test automation is in place we offer a POC as this is the basis to get to DevOps
- DevOps concepts to be implemented

## WHAT IS THE VALUE ADDED BY ACCENTURE?

### Following benefits are typically observed by us and others for DevOps



#### IT COST SAVINGS

22% less time on unplanned work and rework\*; 2.2 times more likely to be recommended as a great place to work\*



#### RISK MANAGEMENT

24 times faster mean time to recover\*  
40% defect reduction\*\*



#### THROUGHPUT/TIME TO MARKET

200 times more frequent deployments\*  
30% increase in productivity\*\*



#### RESILIENCE

Up to three times lower change failure rate\*

\* Puppet: State of DevOps Report 2016; \*\* Accenture

## ABOUT ACCENTURE TECHNOLOGY QUALITY & TESTING

We live Quality! ASGR Quality & Testing Services is one of the drivers of the Accenture NEW IT strategy. We help our clients in ASGR to achieve an excellent product quality and work environment to enable them to have a successful business. ASGR Testing Services consist of 20 expert teams covering all aspects of High Quality Testing ranging from AI System Quality & Testing, Agile Testing, Cognitive Testing, IoT Testing, and Test Automation to Quality Engineering, SAP, and Security Testing.

We deliver efficient, effective, and optimum cost solutions in appropriate engagement models. We grow talent at the leading edge of quality engineering and foster thought leadership, and further leverage local presence and global experience across all industries supported by our delivery network.

That way we build the future of ASGR Testing Services providing state-of-the-art solutions to our clients. Key elements of our work are assessments of existing test strategies and set ups, test advisory enabling our clients to build a successful testing organization and a delivery of testing solutions considering the newest trends, standards, and technologies. We have strong alliances and our partners are leading providers of testing tools in many areas, to achieve the best results for our clients.

Visit us at

[www.accenture.com/testing](http://www.accenture.com/testing)



## ABOUT ACCENTURE

Accenture is a leading global professional services company, providing a broad range of services and solutions in strategy, consulting, digital, technology, and operations. Combining unmatched experience and specialized skills across more than 40 industries and all business functions – underpinned by the world’s largest delivery network – Accenture works at the intersection of business and technology to help clients improve their performance and create sustainable value for their stakeholders. With approximately 469,000 people serving clients in more than 120 countries, Accenture drives innovation to improve the way the world works and lives. Visit us at [www.accenture.com](http://www.accenture.com)

## CONTACT US FOR MORE INFORMATION

[saptesting.qt@accenture.com](mailto:saptesting.qt@accenture.com)

**JENNIFER PRUMANN**  
**TORSTEN BERGANDER**  
**MARCEL SPEE**

## BOOK YOUR PRIVATE SESSION AT INNOVATION CENTER IN KRONBERG

The showcase can be seen live end-to-end in the Innovation Center in Kronberg.

If you are interested to get to know more about the showcase which has been built on S/4HANA 1709 including Worksoft Certify and how to get to innovative automation with DevOps for SAP contact us for your private session.

A video teaser can be found here:  
<https://youtu.be/gOCAsmHbZ-M>

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