Application Lifecycle Management for SAP Solutions

In the world of SAP, quality is king, without it your SAP Applications cannot support critical business functions. SAP solution modernization becomes easier and cheaper with a modern, integrated, and flexible Quality Management toolset, with ALM you get all three plus much more.

Product Highlights

The SAP Quality Imperative

When you adopt SAP, your business success becomes directly linked to the SAP delivery success, if the delivered systems are of poor quality, your business will be providing poor service to their customers. To avoid this you build confidence in the SAP releases through testing. This testing involves; multiple globally dispersed teams, working a defined and repeatable process, creating many tests of different types. They then need to; run them repeatedly, creating test results which need to

be kept, requirements which need to be traced to and probably a few defects plus lots more besides. This can't be left to general, low cost or non-specialist solutions, the risks and costs of failure here are too high for cutting corners. A solution which is modern, integrated, tried & tested over thousands of SAP projects is what's required, anything less is a risk not worth taking.

Introducing OpenText ALM

At OpenText we have an envious history of enabling SAP teams to deliver high-quality and high-value SAP applications through our ALM/

Key Benefits

- Available as Off Cloud or Cloud SaaS.

- Enables end-to-end traceability from Requirements to Tests to Results to Defects for both SAP and non-SAP Applications both separate and combined.

- Works in harmony with your SAP testing efforts and technology from traditional ECC to S/4HANA, S/4HANA cloud and SAP Business Technology Platform initiatives.

- Integration with SAP Solution Manager lets you sync with SAP SolDoc Blueprints.

- Import SAP BPCA results and understand what has changed and hence how to prioritize your testing efforts.

- Integration with modern Development pipeline tools.

- Accelerates and controls Exploratory and manual testing of SAP technologies.

- Achieve transparency with customizable analytics, visualizations and reporting, so you understand real-time progress and can eliminate bottlenecks.

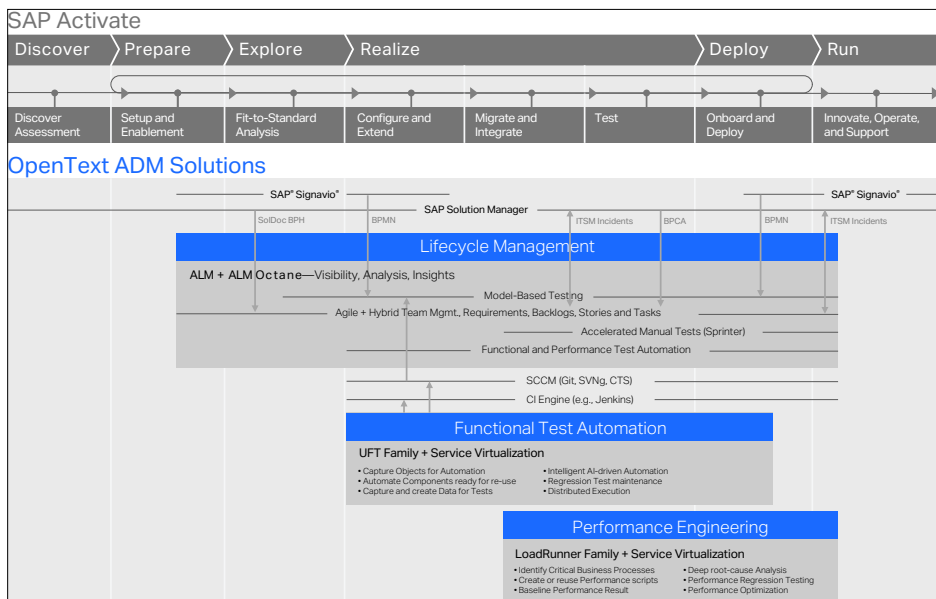- Quick to get up and running, simple to learn and adopt across teams.

Figure 1. SAP Activate Methodology for S/4HANA Migrations with ADM Solutions

Quality Center platform for SAP solutions.. Be it; a move to the cloud with the SAP RISE program, a modernization into S/4HANA or making use of the innovation and value of the SAP Business Technology Platform. OpenText ALM will support your teams to fully understand the quality status of your releases backed up with the effort control, visualizations and details.

Specifically, it provides a purpose made highly efficient test management platform for Quality with a requirements driven, risk-based approach, aligning people with processes. You can mitigate application complexities, automate manual tasks, and establish end-to-end traceability. This gains you a complete view across all releases combining SAP and non-SAP applications with insights that are essential for making informed decisions. Off Cloud or Cloud SaaS deployment options, open integrations, and strong process/permissions control make ALM/Quality Center ideal for ensuring compliance and adapting to changes.

Key Features

Track and Consolidate Testing Efforts
SAP projects necessarily span multiple geographies, teams and even companies. A lack of close coordination and understanding of each other's efforts leads to unsynchronized teams, unknown status of progress and ultimately delayed SAP releases. To ease these challenges, you need a globally available solution which enables you to:

- Visualize and manage the development and quality processes.
- Works just as well with or without SAP Solution Manager and connects the various testing efforts into one place.
- Drive cross-organization collaboration among Business users, analysts, QA, and developers.

The solution acts as a central hub, from which work can be aligned from ideation to release regardless of the number of teams, projects, and locations. ALM/Quality Center consolidates information from various sources and allows users to easily generate ad-hoc graphs & reports, and present them on a dashboard. Establishing traceability between the testing assets means you can quickly see where one part of your project is impacting on another, for example you can quickly create a view which shows only the requirements which are linked via a test result to high priority defects, giving an important context to what you can see is not working in your SAP project. In short, you can communicate what the quality status really is with the evidence and details to back that up.

You can trace relationships between different requirements and see via a traceability matrix. You can also trace requirement to its tests, test results, defects, releases, code, build and vice versa. This establishes end- to-end traceability throughout the application lifecycle, helping verify that requirements are met and helps you identify the impact on an item based on changes to a seemingly unconnected other.

Integrate across Your SAP Enterprise Ecosystem
In today's development ecosystem, it is critical for enterprises to seamlessly integrate various tools into a toolchain. Consolidating proper data from these tools into a central repository provides a complete and accurate picture of the lifecycle and progress within it. You can then use this data to continuously improve. This process often involves integration at each stage of the application lifecycle.

For SAP specifically we can integrate with SAP Solution Manager information held in the Solution Documentation (SolDoc) Business Process Hierarchy (BPH). This will be synchronized across into the Requirements module ensuring that you are always aware what the business and technical needs are for development and testing.

Once development has started and changes are being made into SAP Transports you will additionally be able to import information on what parts of the SolDoc have been impacted by way of the results of SAP Solution Manager feature called Business Process Change Analyzer (BPCA). This automatically flags against the imported SolDoc where the changes really are, enabling you to create an impact-based test set ensuring you cover
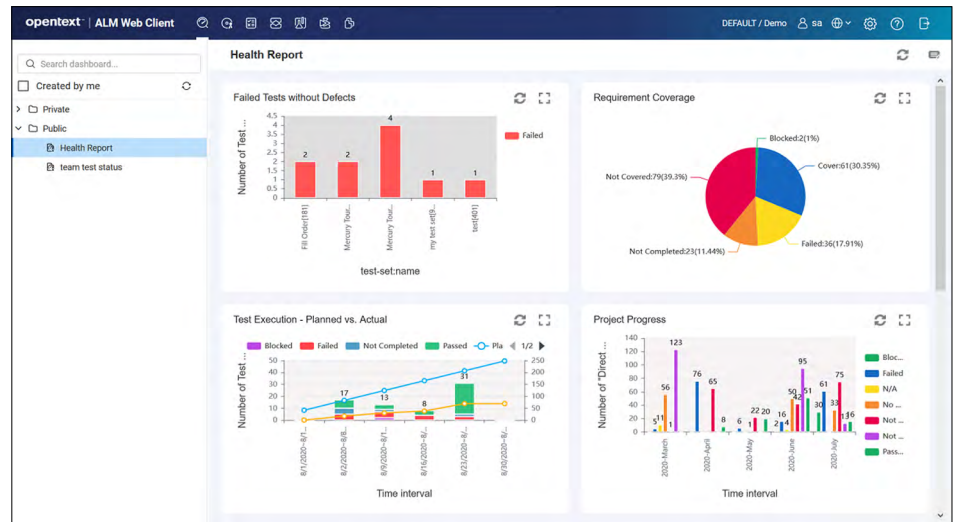

Figure 2. ALM Requirements Coverage Analysis View, showing requirements and the results of the tests traced to them

what's required and ignore what is not. This saves you time, speed, and effort as it hugely reduces the amount of testing required without compromising on risk.

Automate Workflow and Standardize Processes

From planning through delivery, creating high quality applications require governance across teams and releases. Even the strongest development teams will suffer quality setbacks and timeline slippages if inter-team dependencies are lost.

ALM/Quality Center provides a sound foundation for alignment by facilitating:

- A common release cadence
- Advanced dependency mapping
- Automated workflows
- Templates
- Library sharing
- Cross-project customization

With OpenText ALM/Quality Center you maintain a consistent way of working across your organization and synchronize all stakeholders with a unified data repository. The workflow controls ensure change management, minimizing the risks of side-effects and human errors. You can enforce a global process across projects whilst still allowing individual projects to have additional customization, as long as they still follow the standard processes.

Having this shared template for project setup also makes it easy to share assets and reports across projects like a set of tests or requirements across projects as the information captured with them is common. You can create immutable baselines of your projects, freezing your projects and its assets in time, enabling you to always run your tests as they were when the baseline was taken. This means you can be updating a test for the latest DEV changes and still be able to run it in the QA system yet to have those changes transported to it.

Shift-Right Testing with BPT

Use the OpenText Business Process Testing (BPT) framework for keyword-driven and script-less automation of web, desktop, and packaged applications such as SAPGUI. Through the creation of reusable business process components, you can capture user-interactions and publish to allow others to use the components in a drag and drop UI, creating end-to-end tests matching your business process. You can then publish and allow others to use these components in a visual UI to drag and drop together, creating an end-to-end test matching your business process reusing the components. This makes maintenance of the tests easy as they are split into small parts, so you need to make an update just once and the change is universal.

Flexible Deployment and Licensing Options

No two organizations are alike in how they want to consume or acquire their software. ALM/Quality Center has flexible options for deployment and licensing to suit any specific needs. You can deploy your way to minimize infrastructure maintenance and improve resilience.

While on-premises deployment gives you complete control of both infrastructure and the ALM server, it requires more effort to maintain. Business resiliency is mandatory and remote work has become normal. You may be considering moving to the cloud. After all, cloud solutions simplify infrastructure management and increase availability and scalability. ALM/Quality Center can run as a container or virtual
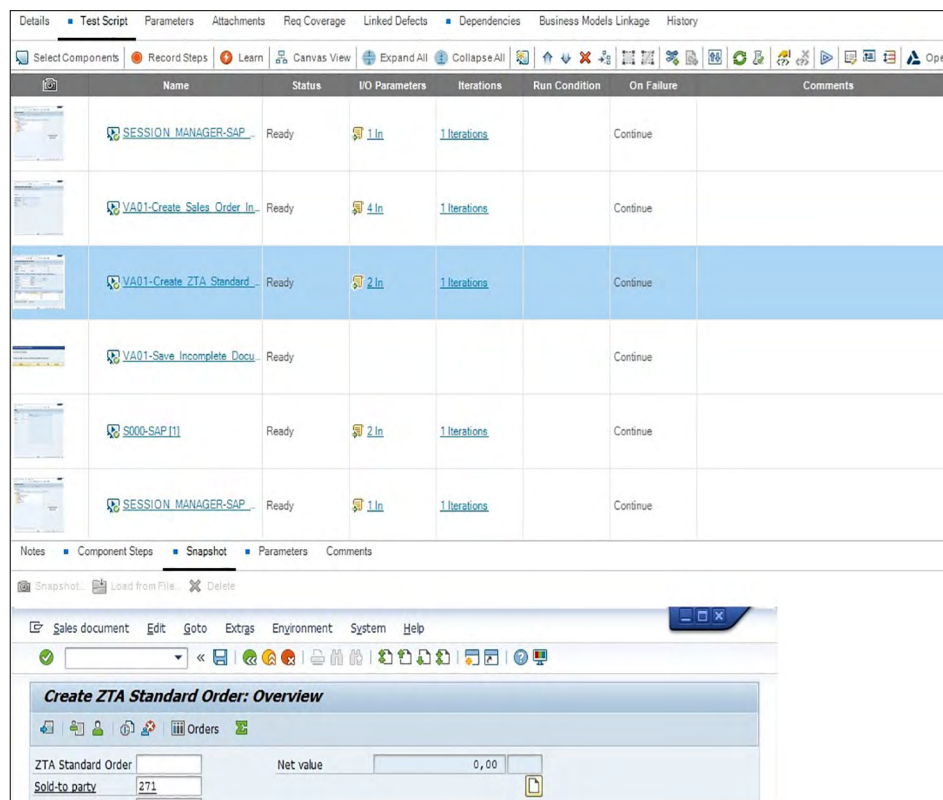

Figure 3. ALM Business Process Testing, a complete Automated Test Script

opentext™

Connect with Us

Figure 4. ALM Business Process Testing showing the automated tests step by step keyword view

machine on any cloud infrastructure (public or private) that meets the system requirements. OpenText also provides ALM/Quality Center on Cloud to let you kickstart deployment fast, minimize maintenance, and pay as you go.

Support Matrix: ALM Help Center (microfocus.com)

Product Page: ALM: Application Lifecycle Management & Quality Center | OpenText

System Requirements

Online documentation

Learn more at
SAP Modernization page: **www.microfocus. com/en-us/industry/solutions-for-sap- modernization**

www.opentext.com

opentext™