In the world of SAP, Quality is king, without it your SAP Applications cannot support critical Business functions. SAP 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/
Quality Center platform for SAP. 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 faster 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 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 inbuilt or their own ad-hoc graphs, reports and show 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 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, this means you can always do things like run your tests as they were at the time the baseline was taken. So you can be updating a test for the latest DEV changes and still be able to run it in the QA system, which is 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 directly leveraging OpenText UFT One’s robust record/replay capturing technology. 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.

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*Figure 3. ALM Business Process Testing, a complete Automated Test Script*
“ALM/Quality Center tracks and manages the entire testing process and defect management for us, and we introduced automation for 72 percent of all test cases.”

José Jiménez
SAP Delivery Center Test Management Lead, IT Global Development Center
Japan Tobacco International

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

Quality Center can run as a container or virtual 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.microfocus.com/opentext