

APPLICATION DELIVERY MANAGEMENT

Deloitte Integrated SAP Testing Solution with Micro Focus



Digital transformation is driving new business models and ways of working. With SAP system implementations forming the core of many enterprises, businesses must leverage S/4HANA's transformational potential to better compete.

Overview

SAP has been evolving all its solutions into the S/4HANA product suite, and organizations on legacy ERP Central Component (ECC) versions are eager to leverage S/4HANA's transformational potential. As a result, many organizations are using this opportunity to modernize their broader technology landscape and drive significantly greater productivity.

Program teams are increasingly likely to operate in an Agile delivery model as business units clamor for faster releases of new functionality and almost real-time value uplift. This approach has prompted organizations to rethink their testing practices. Delivery teams recognize that old, manual testing methods are no longer adequate in this agile age—particularly for large complex platform implementations like S/4HANA.



Current State

A well-defined, robust testing approach is imperative for any successful S/4HANA migration and is a vital component with which to build end-user and executive confidence in the new system. However, given the large number of transactions and

exhaustive capabilities in most SAP implementations, delivering a robust testing approach oftentimes requires substantial time, effort, and resource investments—especially to meet Agile delivery demands. These investments result in a high cost of quality.

Our Solution

Is a high cost of quality avoidable? With the right solution, it is! The Deloitte and Micro Focus alliance developed a suite of accelerators across functional and

performance testing with automation at their core. The solution delivers the requisite testing quality within significantly reduced timescales.

SAP Testing Accelerators

Manual Test Cases Accelerator

Built on Micro Focus ALM, helps bring consistency to testing efforts and improve test asset maintainability

Requirement Traceability Accelerator

Built on Micro Focus ALM, expands traceability coverage while eliminating risk of human errors and improving traceability accuracy

Automation Accelerator

Built on Micro Focus UFT One, enhances test coverage and improves error handling, while reducing overall testing effort

Performance Accelerator

Built on Micro Focus LoadRunner Enterprise, enables greater scenario flexibility, allowing early identification and mitigation of performance issues

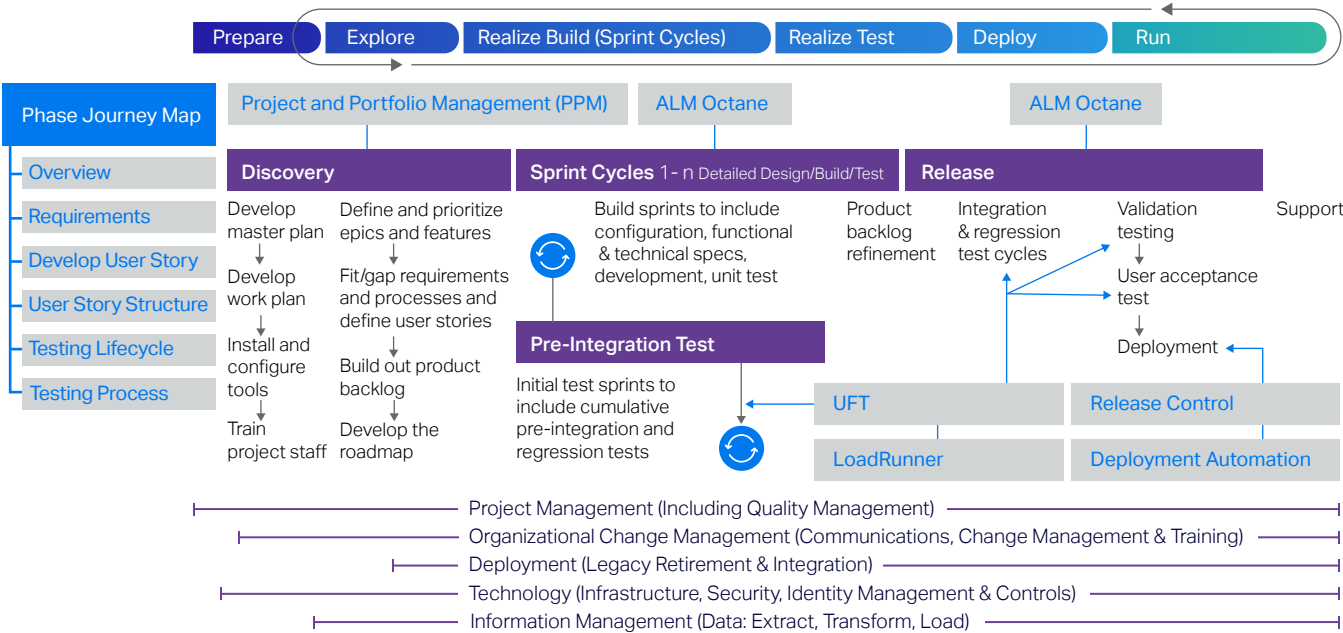
An integrated SAP testing solution, leveraging Micro Focus technologies, to enable shorter testing cycles and faster migration.

Our Accelerators

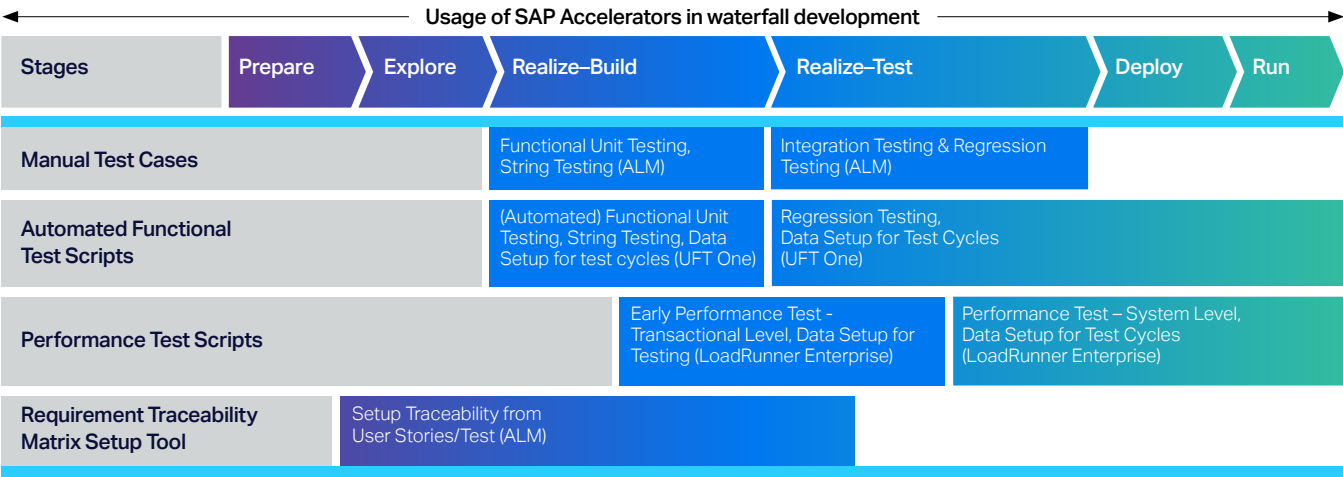
Our accelerators, which are built on the broad and comprehensive Micro Focus Application Delivery Management portfolio, are particularly relevant for

Agile teams. Using automation can facilitate shorter testing cycles within sprints, enabling more successful and faster functionality releases.

Agile Development Lifecycle Roadmap



Waterfall Development




SAP Testing Approach


Deloitte’s experienced teams have led and managed testing for a number of large-scale, complex projects. Deloitte’s SAP credentials are unrivaled as the only professional services firm to receive SAP’s Partner of the Year—Large Enterprise Award four years in a row (with the latest win in 2020).

These awards reflect Deloitte’s significant experience in testing strategy and execution on a large variety of SAP engagements. The service provider has developed a tool-agnostic, robust testing approach that assimilates leading practices from over three decades of SAP delivery. Moreover, Deloitte actively engages with SAP to test new functionality before its release to customers, giving further insight into any areas that might prove particularly complex during system delivery and testing.


Deloitte’s SAP Credentials




Deloitte is the only systems integrator to win the SAP S/4HANA Partner of the Year—Large Enterprise award four years in a row




Tier 1 global alliance with SAP since 1989




Highest level of SAP accreditation: Global Partner—Services



Award winning capabilities and industry-specific solutions



Over 3,000 live SAP systems worldwide



More than 23,000 dedicated SAP practitioners worldwide

Deloitte and Micro Focus believe that “quality is built in from the start, not tested in at the end.” Our approach incorporates risk-based testing in all phases of delivery projects. It all begins with well-written business requirements. During the test case development, test objects are linked to requirements, which drives a comprehensive testing approach resulting in business-ready implementations. A Hybrid Agile approach has validation built in throughout the lifecycle, with each sprint phase building upon the one before it. In-process quality checkpoints guide the documentation to allow for a seamless control point and approval before formal validation testing. Comprehensive unit testing, integration testing, and other functional testing continue

throughout the development phases. While tool agnostic, most large SAP delivery projects deploy Micro Focus’ application delivery products to manage testing on global transformation projects. Overall, our approach delivers the required quality within a realistic schedule and reduces performance risk to the implementation—at a lower cost.

To support on-time and efficient delivery, we bring our industry-leading experience, skilled specialist practitioners, and extensive pre-existing testing assets through our DLeaPS preconfigured solution for S/4HANA and process libraries.

Benefits of the SAP Testing Accelerators to End Clients With Deloitte Integrated SAP Testing Solution and Micro Focus Technologies

SAP Project Lead

Greater efficiency and effectiveness of testing cycles during SAP S/4HANA implementations

Quality & Testing Lead

Faster releases of S/4HANA functionality to end-users

Procurement

Potential cost optimization opportunities through easier maintainability of test assets

Better Together

Further complementing our joint offerings, Deloitte and Micro Focus built a testing accelerator suite for SAP GUI and FIORI that covers test management, test execution, and defect management. Leveraging Micro Focus products—UFT One, ALM/Quality Center, and LoadRunner Enterprise—optimized for SAP, Deloitte’s SAP practice teams identified several use cases to accelerate the test automation and deployment of manual, functional, and performance testing, along with requirements traceability.

Key features include:

- 1

Predefined manual test cases in ALM/Quality Center that cover key SAP business processes supporting ITC cycles.
- 2

Automated test scripts developed in UFT One for critical SAP transactions to get a head start on test execution and regression testing.
- 3

Performance test pack including scripts developed in LoadRunner Enterprise to expedite validation of key performance indicators (KPIs) early in the project lifecycle.
- 4

Requirement traceability setup utility to identify, define, and set up traceability of requirements with test cases in ALM/Quality Center.

For clients, these features yield a number of benefits:

- ✓

Test cases help users better organize and simplify their testing activities, providing consistency in testing efforts.
- ✓

Improved error handling makes analyzing test results easier and improves test outcomes.
- ✓

Process-driven testing reduces the dependency on individual resources, as opposed to person-driven testing.
- ✓

Script availability drives early performance testing, which helps identify performance issues sooner.
- ✓

Automation reduces testing efforts and the dependency on functional testing resources.
- ✓

Greater scenario flexibility enables testing teams to tailor the workload model or test scenarios to client needs.
- ✓

Enhanced test coverage helps teams achieve multiple data variation testing.
- ✓

Accelerated test data creation using performance scripts saves effort on data setup activities.

Micro Focus Tools Supporting the Deloitte Solution

- ALM/Quality Center

Empowers organizations to manage the core application lifecycle from requirements to deployment. It grants application teams crucial visibility and facilitates the collaboration needed for predictable, repeatable, and adaptable delivery of quality applications.
- UFT One

Accelerates and simplifies end-to-end functional testing with one intelligent solution that builds and automates tests for enterprise applications using embedded AI-based capabilities. As well as testing applications through the user interface, testers can use UFT One’s API testing capabilities to test services and applications through their programming interfaces. UFT One includes support for SAPUI5 objects and methods, SAP Web Dynpro, ABAP, and the SAP NWBC desktop application.
- LoadRunner Enterprise

Delivers a collaborative performance engineering platform that reduces complexity, centralizes resources, and leverages shared assets and licenses to increase consistency across the enterprise. It generates load at a large scale and includes support for SAP applications running on the web, SAP GUI applications, and generic protocols SAP applications employ.

Conclusion

Deloitte and Micro Focus collaborated on a unique initiative. Leveraging Deloitte's cloud capabilities and Micro Focus' well-established Application Delivery Management portfolio, their solution helps organizations tackle testing challenges and application delivery needs. Deloitte leverages Micro Focus technologies to build an accelerator toolkit that shortens development cycles, enables faster migration and release time, and reduces risk through custom-built requirement traceability flows and testing automation.

By using Deloitte's SAP Accelerator Toolkit built on Micro Focus software, companies sign up with a proven technology vendor and a credible advisory-delivery professional services firm. Clients can take comfort knowing that the alliance offering unlocks additional cost optimization opportunities and brings scalable implementation capabilities—delivering a truly global digital transformation program.



About the Deloitte and Micro Focus Alliance

Because both Micro Focus and Deloitte have an established footprint across EMEA, APJ, and AMS, our alliance is truly global, with dedicated teams spread across multiple geographies.

Together, we combine leading technology and time-tested business acumen to bring our clients complete, scalable, and bespoke solutions, enabling our clients to shape new markets and drive measurable value. The three key offerings that our alliance is built on are Cyber Security, Quality Engineering (Testing), and SAP S/4HANA testing transformation.

About Micro Focus

Micro Focus is one of the world’s largest enterprise software providers, delivering mission-critical technology to more than 40,000 customers around the globe. With a broad portfolio underpinned by a deep inventory of advanced analytics, the company helps customers run and transform their business. This enables them to adapt to evolving market conditions and effectively compete in the digital economy over the long term. Micro Focus does this by delivering solutions that bridge the gap between existing and emerging technologies to protect IT investments. That is High Tech, Low Drama.

When it comes to building and delivering better software faster, you can no longer choose between speed, quality, and security. You need a “Quality everywhere” culture, making quality the responsibility of everyone. Our continuous quality and security solutions help you make this cultural shift—offering ongoing and comprehensive testing of web, mobile, and enterprise applications from the start. Deliver high-quality, optimized experiences to keep, grow, and expand your business by making quality the technical, organizational, and cultural foundation of your strategy.

About Deloitte

Deloitte provides industry-leading audit, consulting, tax, and advisory services to many of the world’s most admired brands, including nearly 90% of the Fortune 500 and more than 7,000 private companies. Our people work across industry sectors that drive and shape today’s marketplace—delivering measurable and lasting results that help reinforce public trust in our capital markets, inspire clients to see challenges as opportunities to transform and thrive, and help lead the way toward a stronger economy and a healthy society. Deloitte is proud to be part of the largest global professional services network, serving our clients in the markets that are most important to them. Now celebrating 175 years of service, our network of member firms spans more than 150 countries and territories. Learn how Deloitte’s more than 312,000 people worldwide make an impact that matters at www.deloitte.com.

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