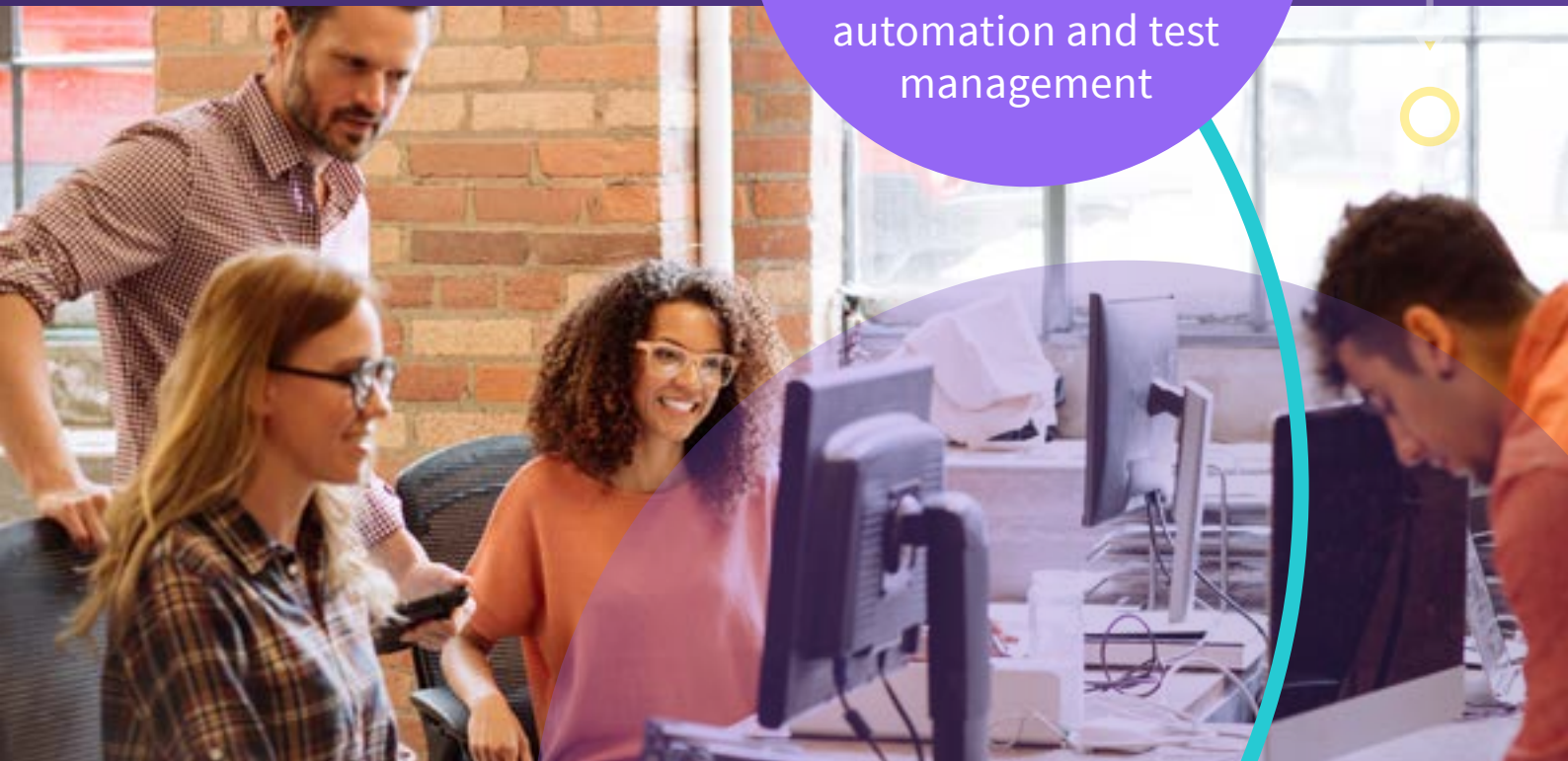


SAP TEST AUTOMATION MADE EASY

Panaya
Smart Testing
platform helps reduce
the complexity of your SAP
& business applications
with codeless test
automation and test
management



In today's fast-paced business landscape, the successful deployment of Enterprise Resource Planning (ERP) systems is crucial for organizations to stay competitive. Regardless of whether you rely on SAP or another ERP solution, ensuring smooth development rollouts is a fundamental aspect of the software development process. A key component in achieving this is comprehensive testing.

Traditionally, effective SAP testing has relied heavily on User Acceptance Testing (UAT) and the involvement of business users, as it is not solely the responsibility of IT teams. However, identifying the areas that need testing and determining the appropriate testing methods during an ERP release can be time-consuming and challenging. Many enterprises struggle to simplify and automate their testing procedures to keep up with evolving business needs and reduce release time.

Given the significant impact ERP changes can have on business processes, it is essential to involve non-professional testers to ensure comprehensive testing of these critical systems. Although business users may not be as familiar with testing tools as professional testers, their contribution is vital to ensuring project quality and output. To facilitate successful and efficient collaboration, as well as to reduce dependence on IT during the testing phase of the release process, adopting user-friendly and intuitive codeless automated testing tools is a crucial step.



Automating regression testing for SAP offers a multitude of benefits that can greatly accelerate the testing process and address bottlenecks in its releases. By leveraging automated testing tools, organizations can eliminate repetitive manual tasks, allowing for faster and more accurate identification of defects and issues.

No-code automated testing tools provide an intuitive interface that empowers users to create and execute tests, making the process accessible to individuals without a coding background. With these tools, business users can contribute to the test automation efforts by recording and documenting scenarios, and validate expected results through a visual and interactive interface. This democratization of testing empowers domain experts to contribute their unique perspectives, enhancing the overall quality of the testing process.

Furthermore, automating regression testing for SAP enables organizations to establish a comprehensive regression test suite that can be executed efficiently and consistently, enabling Continuous Integration and Continuous Deployment (CI/CD) pipelines to seamlessly incorporate these tests into their workflows, ensuring rapid and reliable delivery of ERP changes while maintaining the integrity of previously validated functionalities.

By automating this process, organizations can significantly reduce the effort and time required for regression testing, allowing for faster release cycles and more frequent updates to their ERP systems.



3 REASONS WHY YOU SHOULD LOOK AT A NO-CODE TESTING AUTOMATION TOOL FOR YOUR SAP AND BUSINESS APPLICATIONS:

REASON 1: YOUR ERP IS ALL ABOUT BUSINESS, SO GET A TOOL THAT FOCUSES ON YOUR BUSINESS

Your ERP is your business and any interruptions to your business processes can have huge negative impacts that cost your company dearly, It's crucial ERP changes are tested by the business partners using your software, before being pushed to production. Automation of testing requires a strong understanding of business flows and test automation specialists require input from business end users. While business users are vital for this task, they often don't have time outside of their regular jobs to assist, so making this process as easy as possible for them is critical.

REASON 2: ENTERPRISE LANDSCAPES ARE GETTING MORE COMPLEX

Today more than ever, ERP end-to-end systems are frequently integrated with other applications, making end-to-end (e2e) testing across different environments very complex and interdependent. As more enterprises adopt best-of-breed software solutions with low-code customizations, more areas may be susceptible to unintended downstream consequences. For a comprehensive detection of potential bugs or issues across other systems, automation of regression testing is a must to ensure no downstream disruption.

REASON 3: CLOUD APPLICATIONS UPDATE ALL THE TIME

Cloud applications, such as S/4HANA Cloud, public edition, continuously push releases and updates at a higher frequency compared to on-premises software. Unlike traditional set-and-forget systems, cloud applications require organizations to keep their ERP in sync with the updates of the connected applications. Staying up to date with mandatory updates can be a challenge, and unforeseen changes can have severe consequences for business continuity. Therefore, it is crucial to have test automation tools in place to ensure your ERP deployment is executed seamlessly and does not compromise the performance of software critical to other departments.

By leveraging test automation tools, you can effortlessly keep pace with updates to your cloud applications, mitigating the risks associated with an accidental or unplanned ERP deployment.

EASY TO USE AND AI FEATURE-RICH

A good test automation tool should be:

- Easy to use with a wide range of capabilities
- Employ AI self-healing capabilities to maintain scripts despite page attribute changes
 - Have cross-technology support
- Provide test management capabilities for minimum dependency on external systems but maximum flexibility for and defect test management activities
- Rich analytics and test documentation



CONNECTS TO A COMPREHENSIVE TESTING SUITE

For global enterprise-grade companies looking to expedite their testing processes, implement codeless test automation, and optimize their workflows, **Panaya Test Dynamix** platform is the ideal choice, because it accomplishes all of these features and more. A smart, codeless test automation feature is already implemented into the platform. With the help of its recorder and player, non-developers can build and execute automated test scenarios, cutting down on testing time and expenses.

○ HANDLES CROSS-FUNCTIONAL TESTING HANDOFFS

Enterprise end-to-end testing is becoming more and more difficult as a result of the rapid speed of technological advancement and corporate change, which is driving an increase in the use of Agile and DevOps methodologies. The required coordination between IT and Business is often very administration-heavy, making it difficult to identify and reach the proper degree of test coverage, which ultimately adds to the load of testing time and resources.

A cutting-edge ERP and enterprise cloud testing platform, **Panaya Test Dynamix** combines cross-functional business process testing with smart change analysis to optimize your test scope, **resulting in test cycle reductions of 85% and risk-free acceleration of digital transformation.**

With **Panaya Test Dynamix**, everything is shared in one platform, making for cleaner handoffs between test managers, testers, business users, and developers. It is also very simple to set up folder structures for different test scripts, allowing for completely customized test structures and test cycles.





Setting up automated test scripts in **Panaya Test Dynamix** couldn't be easier, as testing scripts are automatically created behind the scenes by the special built-in smart recorder capturing all user interactions. Additionally, locating everything in one platform makes it easier to centralize test assets and results, identify defects, and share your findings with developers. Panaya also provides the steps to the developer to reproduce an error found by a tester if a defect is detected.

Panaya enables test automation without the creation of a single line of code. Detailed test evidence is automatically generated to review behavior on screen and identify potential defects in the flow, making it easy to pinpoint where unexpected behavior occurs.

Script instructions are flexible and editable, the script is clearly readable and has codeless and sophisticated editing tools that allow users to disable or remove instructions, add extra commands, alter recorded values, parametrize variables, and implement automated assertions, among other things.

To perform data-driven testing and ensure your coverage, default input values used during the recording of the application may also be parametrized very easily with datasets.

For web scripts such as in SAP Fiori, a thorough analysis of the type of action performed and all HTML components involved is performed by Panaya's recording technology to construct self-healing algorithms that will successfully carry out the necessary activities, even on a web page that is changing between tests.

By leveraging an easy-to-use technology like **Panaya Test Dynamix** that records all user interactions and allows business teams to quickly replicate scenarios, business experts can easily contribute automated tests for regression testing and other forms of testing.

You can apply these test cycles and scenarios in SAP testing and any other enterprise cloud-packaged application like Salesforce, ServiceNow, Workday, SuccessFactors, and many more.



ABOUT PANAYA

Panaya provides cloud-based application delivery and testing solutions that streamline collaboration between Business and IT.

Enabling enterprise agility with faster release velocity and uncompromising quality, Panaya delivers an optimized user experience with end-to-end visibility of the application lifecycle. Since 2006, 3,000 companies in 62 countries, including a third of the Fortune 500, have turned to Panaya to deliver quick quality change to enterprise applications.



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 **Panaya** | Test Dynamix