SMART SAP TESTING

How to orchestrate and streamline Enterprise SAP Testing with Panaya

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Smart SAP Testing

- Enterprise/ERP Testing Challenges
- What is Smart Testing?
- Smart Testing in action:
  - Optimization of functional regression tests
  - Acceleration of Business process testing & UAT
  - Automatic test documentation
  - Smart Defect Management
- Panaya Test Dynamix
- Q&A

THE CHALLENGES OF ENTERPRISE TESTING

Keep pace with **Agile & DevOps** increasing release cadence

Secure business process integrity with faster business innovation

User Acceptance Tests increasingly complex while remaining manual

Manual Processes
Slowing down collaboration and decision-making

Uncertainty
about change impact and testing coverage

Siloed Teams
and multiple tools reducing visibility into quality and risk

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ERP TESTING IS MORE THAN “SOFTWARE TESTING”

- ERP is **all about business**. Any disruption to business continuity is unacceptable.
- Business processes can be cross-modules and have **multiple dependencies**.
- **ERPs are increasingly integrated** with other applications.
- ERP testing requires a **strong understanding of business processes**.
- **Functional analysts and business users** are essential for ERP testing.
- Managing tests across multiple teams requires an **end-to-end visibility**.

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SMART TESTING

Increased complexity of end-to-end testing requires to **rethink testing** to accelerate digital transformation.

Test modernization cannot be achieved with legacy and outdated methodologies.

Quality at speed requires testing excellence and goes far beyond test automation only.

Bring intelligence to testing is our formula to drive innovation with no risk.

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PANAYA'S SMART TEST MANAGEMENT

An enterprise unified end-to-end testing platform that brings intelligence to traditional test management with:

Data from the SAP System

Data specific to your SAP system, ensuring better informed decisions

AI-Powered Change Analysis

NextGen SAP Impact Analysis engine for a risk-based testing approach to your ongoing changes

Smart Defect Management

Smart defect management so you can anticipate and control defects inflation

Collaborative Testing

Boost UAT with a unique collaborative approach and automate documentation

Proactive Insights

Ongoing insights to remove planning and execution bottlenecks

SAP ORACLE E-BUSINESS SUITE salesforce

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TESTING CYCLES

Still the king of ERP testing!

What are the common ERP regression testing practices/challenges?

- Running a full regression on ALL business processes
- Change risk is determined by local experts' gut feeling
- Regression cycles are avoided in small and non-critical changes

REGRESSION AND FUNCTIONAL TEST PLANNING CHALLENGES

Are you testing **too much?**

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Are you testing **too little?**

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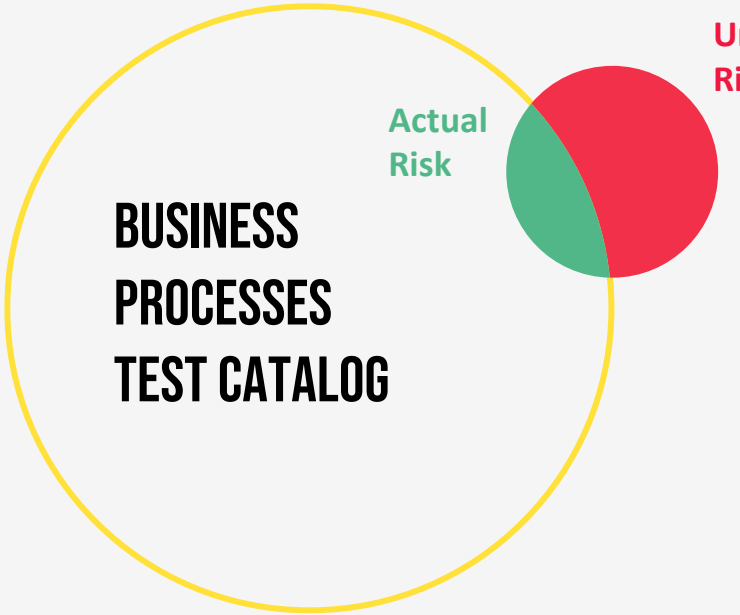
Are you **covering all** impacted business processes?



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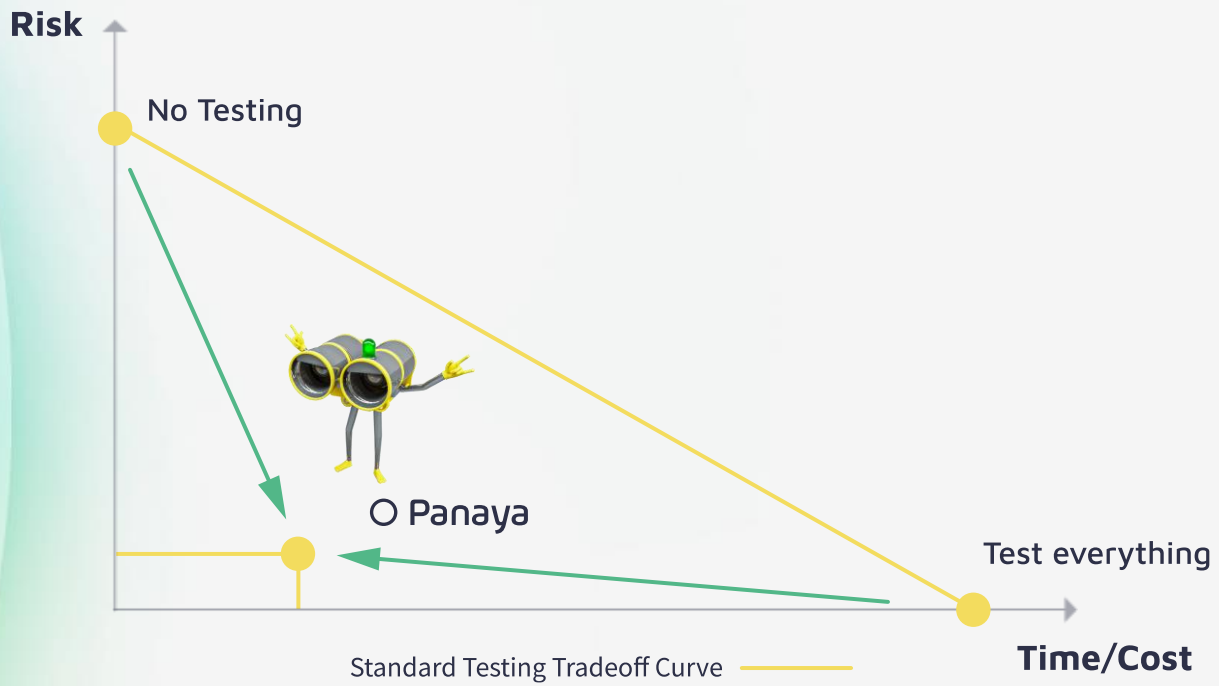
Panaya's Change Analysis:

Smart AI-Driven Regression Testing

- **Reduce regression testing efforts** by focusing only on the impacted areas.
- **Increase test coverage** with auto-generated tests.
- **Pinpoint the impact of changes** on your current business processes.
- **Optimize manual and automated** test cycles.



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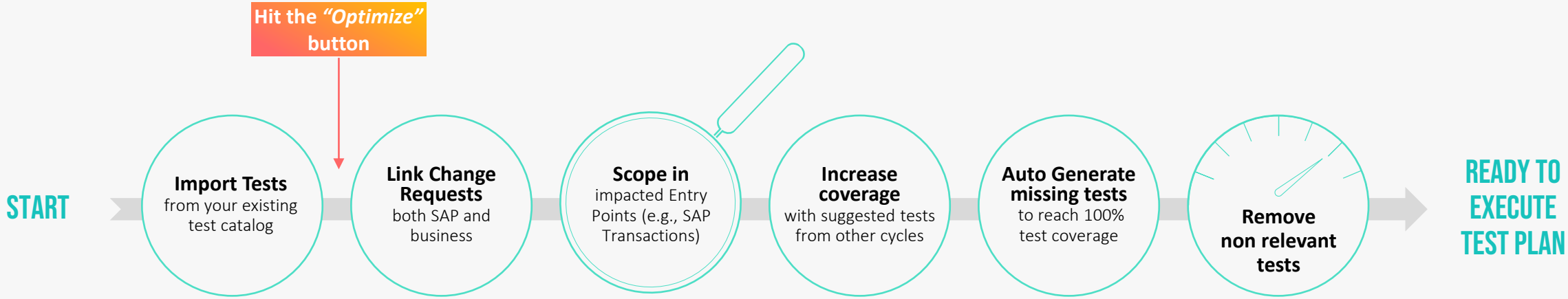
PANAYA CHANGE ANALYSIS



Plan your test cycle with Panaya in **10 min Top!**

Change Coverage

Covering Tests

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BUSINESS PROCESS TESTING CHALLENGES

Traditional tools and methodologies are not suited for functional analysts and business users

—

Limited ability to capture business process knowledge

—

Lack of end-to-end business process visibility

—

Idle time between sequential testing activities

—

Inability to track testing quality and accuracy

Testing focus and investment should shift from traditional technical testing to include cross-functional, business process testing

COLLABORATIVE BUSINESS PROCESS TESTING

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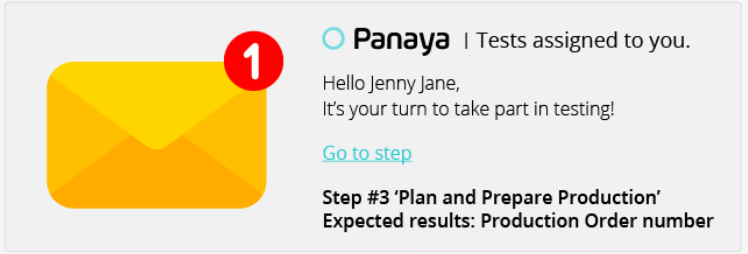
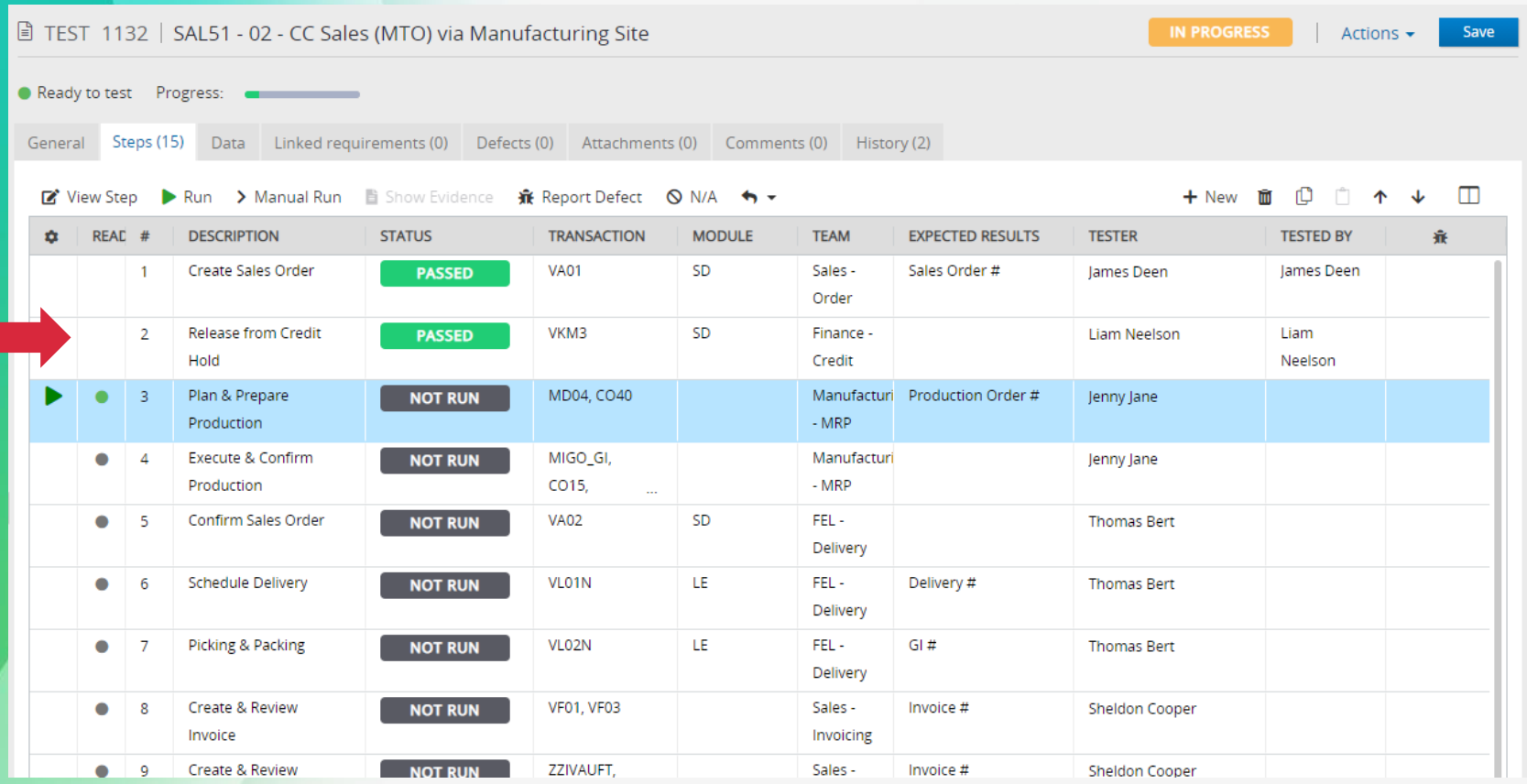
Smart Business Process Testing

- Tests reflecting **end-to-end business process sequence.**
- **Easily engage business users** with intuitive interface.
- **Seamless remote collaboration**: “Pass the baton” within complex business scenarios that involves cross-functional teams.
- **Boost testing efficiency:** Testers know when to test, what to test, what data to use.





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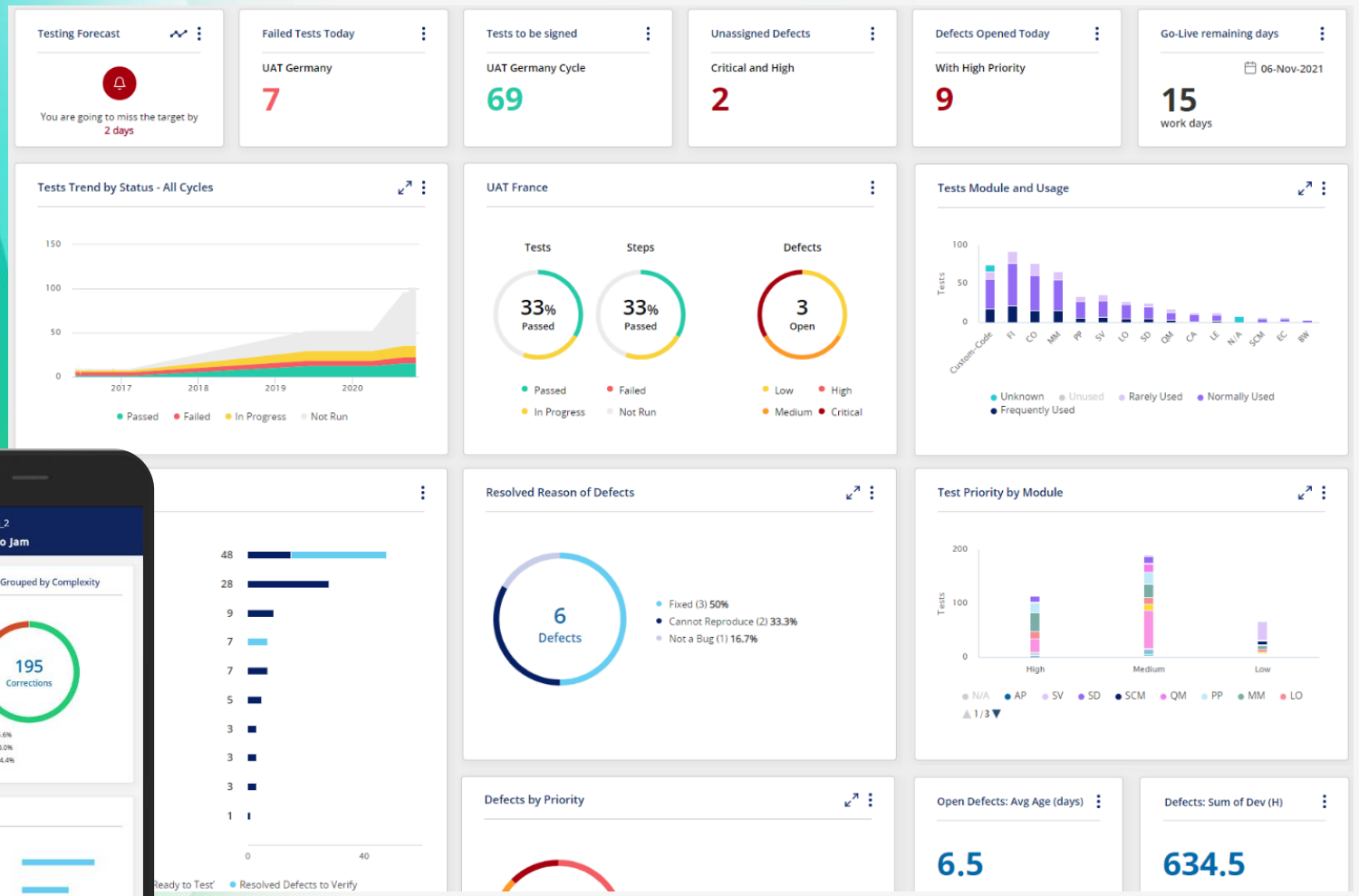
Real-Time Custom Dashboards for smart decisions

- **Real-time visibility** with fully customizable and shareable dashboards.
- Remove testing bottlenecks with **smart alerts and insights.**
- **Never miss updates** and manage on the go via our dedicated mobile app.



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Automatic Test Evidence

› **Save 100% of documentation efforts**

› **Stay compliant** with auto-generated and audit-ready test evidence.

› Exhaustive **business process test library** reusable across projects and test cycles.

› **Train users** with ready-to-use documentation.

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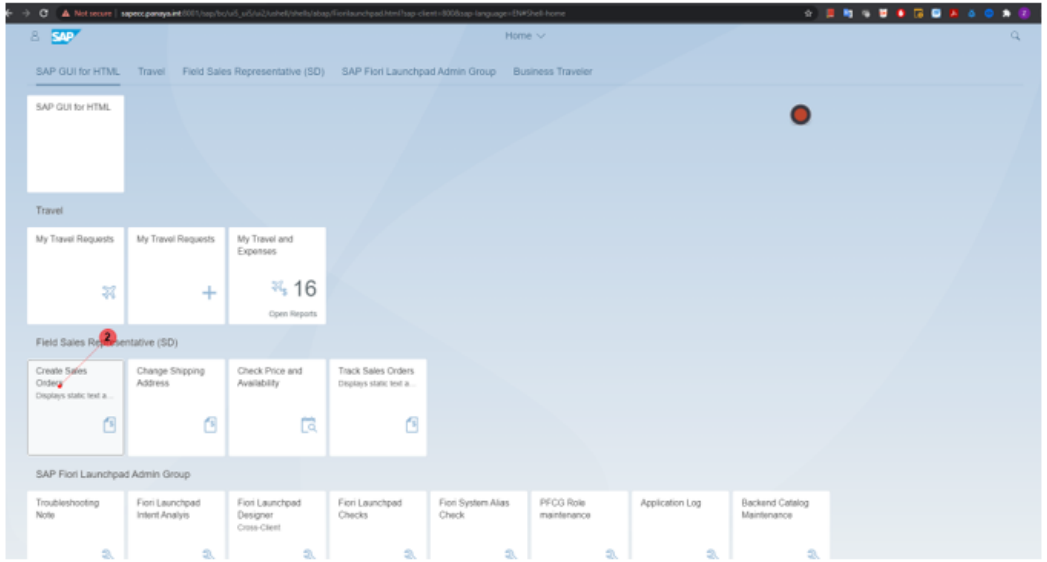
- **Test ID** 1993
- **Test** Sales Order creation
- **Step 1** Create Sales Order
- **Step status** Passed
- **Transaction** Sales Order Creation FIORI App
- **Tested by** John Doe
- **Tested on** 30-Jun-2021 07:52 (GMT)
- **Duration** 00:00:39
- **Actual results** All good
- **Comments**

No.	Step Description
1	Activity

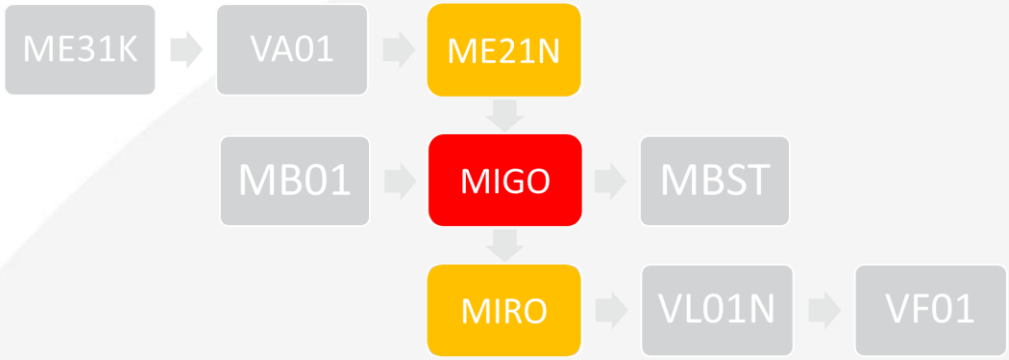
Scenario recorded on 30-Jun-2021 07:52:09 (GMT) by John Doe. Generated by Panaya

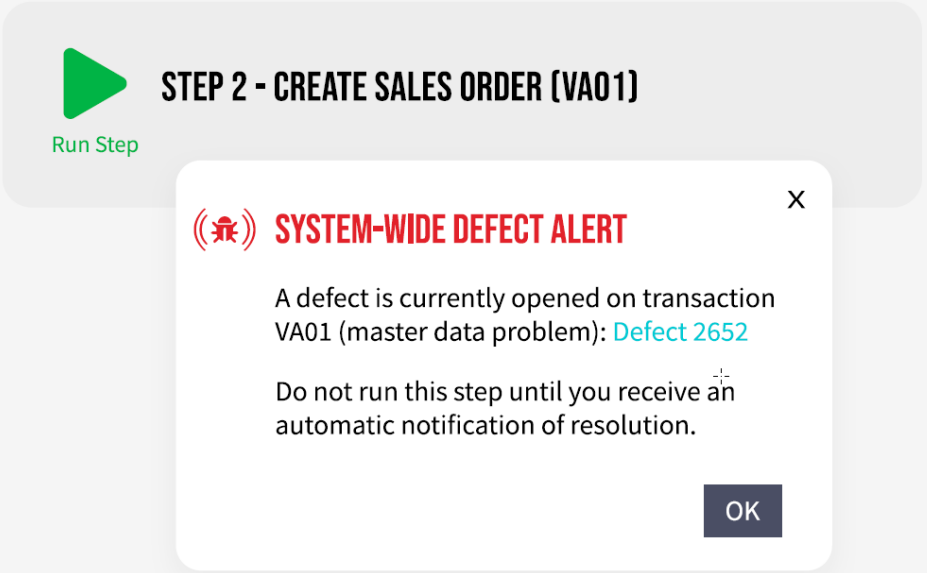
- **Go to:** "https://sapecc.panaya.int:8001/sap/bc/ui5_ui5/ui2/ushell/shells/abap/Fiorilaunchpad.html" (1)
- **Click on** "Create Sales Orders" Tile (2)



SMART DEFECT MANAGEMENT

- The nature of ERP business processes is being integrated
- Many transactions are used in various different business processes
- One defect in one transaction can stop many other steps/tests
- Testing of transactions with reported defects cause:
  - Defect duplication
  - Time/cost loss
  - Testers/developers bureaucracy
- Panaya System Wide Defects is an AI-driven capability that assists test managers to define influence of defects on other tests:
  - Save time
  - Save money
  - Save frustration





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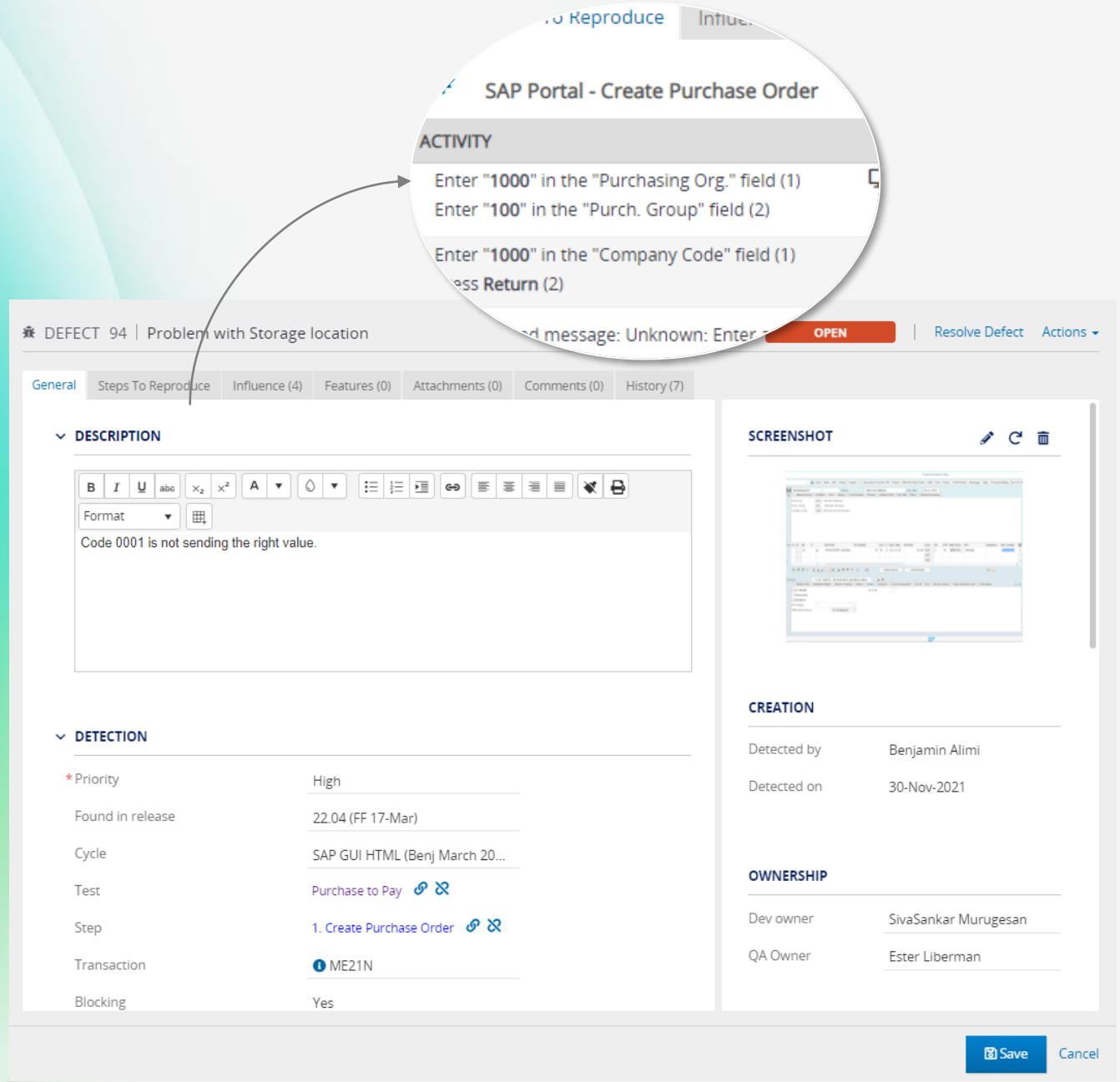
Smart Defect Management

- **Full collaboration** between testers and developers.
- **Speed up defect resolution** with automatic documentation, screenshots and reproducible steps for developers.
- **Close defects loops and secure retesting** with automatic workflows.
- **Control defect inflation** with Panaya's System Wide-Defects.



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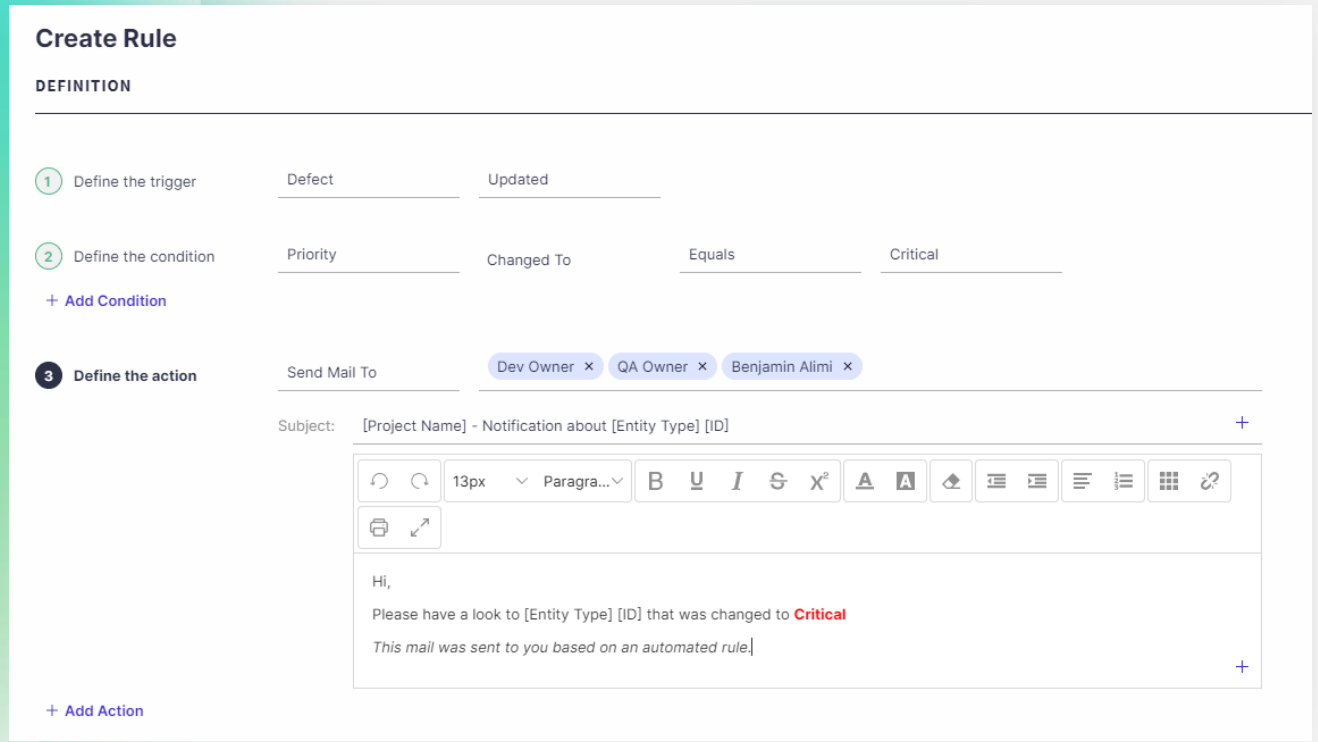
Automation Rules for custom workflows

- Event-driven workflows to **accelerate project management** by removing manual and repetitive actions.
- **Ease decision making** by automatically updating fields.
- **Reduce project's risks** by automatically assigning important issues.
- Increase the **overall efficiency and quality** of processes with best practices and accurate data

When **Feature Status** is changed to **Ready to Test**
And **Testing Owner** is **empty**
Update Testing Owner to **Henri Fried**

When **Test** is created
And **Module** is **MM**
Update **Business Owner** to **Enrique Artes**

When **Defect Priority** is changed to **Critical**
Update **Due Date** to **Tomorrow**
And **Send an email** to **Dev Manager**



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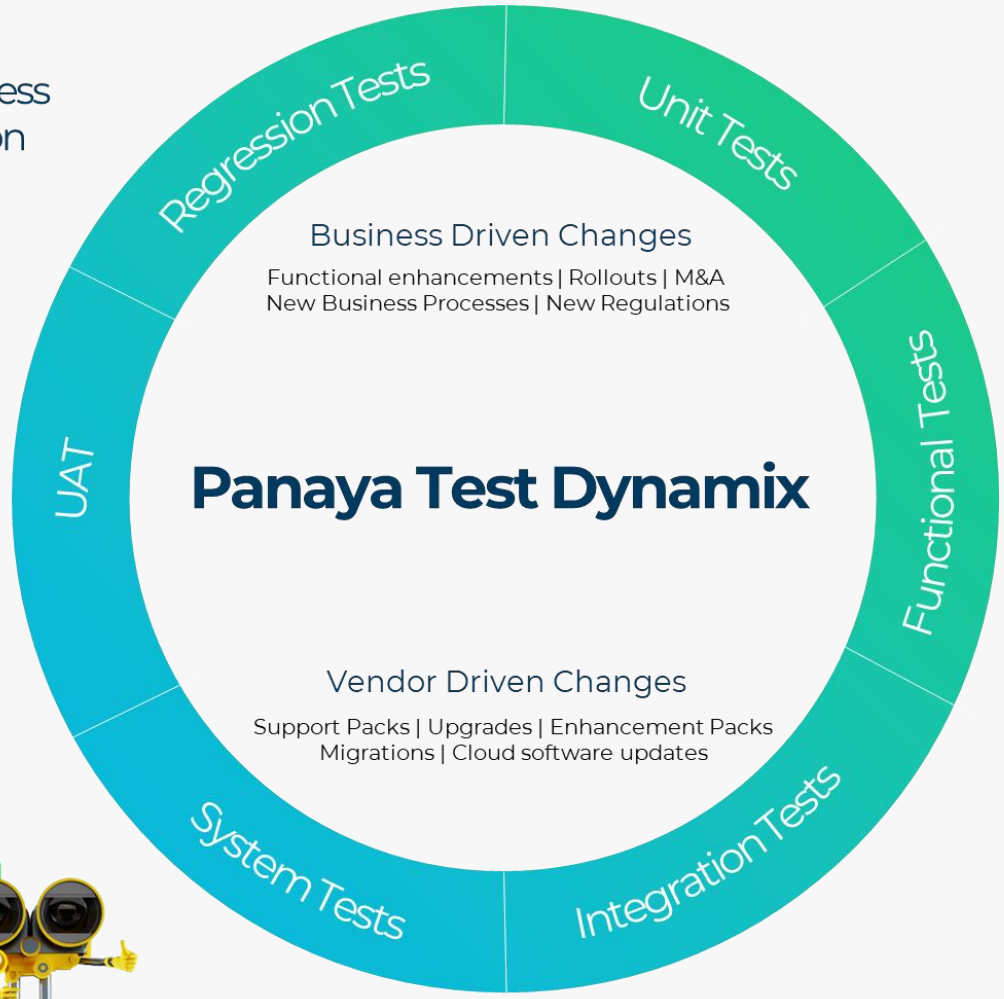
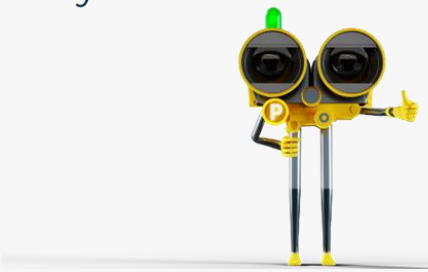
SMART TEST MANAGEMENT FOR ERP AND BUSINESS APPLICATIONS

- Intuitive Business Process Planning and Execution
- Automatic Test Documentation
- Best Practices Test Library
- Risk-Based Testing
- Requirements Traceability



- Smart Defect management
- Real-Time Custom Dashboards
- Test Automation Orchestration
- Automated Workflows
- Enterprise Compliance and e-signatures



100% SAAS

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