

Case Study



Roy Hill Leverages Panaya RDx to Release SAP® EWM Module with Zero Go-Live Issues

Whilst Reducing Testing Effort by 70%

Roy Hill manages a world-class iron ore operation and the largest single ore mine in Australia. With integrated mine, rail and port facilities producing 55Mtpa – Roy Hill features as one of the world's major resource-based operations. Panaya's Machine Learning based Change Impact and Risk Analysis Engine within Release Dynamix (RDx) helped Roy Hill's SAP® team introduce their Enterprise Warehouse Management (EWM) module with zero go-live failures, whilst reducing testing effort and timelines by over 70%.

Challenge

With ongoing business demands for agility, the team at Roy Hill needs to deliver fast and risk-free SAP® changes. For their EWM project, the SAP team had a fixed go-live date, in order to meet critical business requirements. As a result, they had very tight deadlines to:

- › Understand change impact & business processes at risk
- › Define what needs to be tested
- › Complete regression testing

Describing the urgency of the project, David Mouchemore, the SAP Application Superintendent at Roy Hill explained: "My support team was tasked to complete regression testing of our existing SAP environment, and ensure there were no issues when Roy Hill implemented the Enterprise Warehouse Management (EWM) module. The go-live date was not moving, and we only had weeks to complete the process."



We reached out to Panaya to run their Machine Learning Engine for Change Impact and Risk Analysis [Release Dynamix] to help give us a more accurate report as to what really needs to be tested."

David Mouchemore,
SAP Application
Superintendent, Roy Hill

Solution

Panaya RDx's Machine Learning Engine autonomously learnt about Roy Hill's existing SAP environment, code, integrations and business usage. It then analyzed the code against proposed changes for the EWM project.

Being a SaaS product, RDx features instant setup and access. As a result, it demanded minimal time investment from the SAP team at Roy Hill, which was already under significant time pressure. Within 48 hours of connecting the SAP configuration data to Panaya, the team at Roy Hill had access to:

- › A machine generated test plan, based on change risk & impact analysis
- › Code quality assessment for all proposed changes
- › Recommended code corrections based on business process impact, security, compliance and performance metrics



Change Impact Analysis

Immediate visibility into impacted objects and their respective production usage.



Test Plan Creation

Risk-based testing plans that define the right coverage required to address the risk.



Code Quality Assessment

Real time code review and suggested fixes based on pre-defined ABAP standards.

Results

By leveraging Panaya RDx, Roy Hill was able to go live on time with no reported issues. Thanks to Panaya RDx, Roy Hill was able to:

- › Reduce testing effort by 70%
- › Cut down number of planned testing activities from 416 to 89



RDx has proven to be an enormous success for us. We were able to reduce testing effort by at-least 70%, and with just two days to spare, we were able to successfully complete all of our testing and go live on time, with Zero issues identified post release. In retrospect, we would not have been able to do this without RDx." **David Mouchemore.**



Panaya, an Infosys company, is the leader in SaaS-based change automation and testing for SAP®, Oracle® and Salesforce. Panaya provides cloud-based application delivery and testing solutions that ensure 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 2008, 2,000 companies in 62 countries, including a third of the Fortune 500, have been using Panaya to deliver quick quality change to enterprise applications. www.panaya.com