

Enhancing Identity Governance with Automated Testing



Connect Everything. Securely.

Problem Statement

In today's dynamic enterprise environments, ensuring the security and efficiency of identity governance and administration (IGA) workflows is paramount. Saviynt offers a robust cloud-based platform for managing identity lifecycles, but implementing configuration changes while maintaining security and compliance requires rigorous testing.

Traditional testing methods are often labor-intensive, error-prone, and inefficient, leading to inconsistencies and deployment risks. Organizations need a comprehensive, automated solution to enhance testing accuracy, improve efficiency, and reduce operational overhead.

To address these challenges, KPMG offers an automated testing framework designed to validate IAM configurations, streamline testing processes, and ensure reliable deployments while minimizing risks and costs.

1. Solution Overview

KPMG's automated testing framework for Saviynt is engineered to optimize test execution, improve deployment accuracy, and reduce manual efforts. By leveraging pre-built test cases and advanced automation tools, organizations can enhance compliance, increase operational efficiency, and ensure high-quality deployments.

2. Preconditions and functional requirements

- **Preconditions**
 - The IT administrator must have appropriate permissions to configure and manage Saviynt workflows.
 - The test environment must replicate production settings to ensure accurate validation.
 - Automated test scripts must be integrated into the existing CI/CD pipeline to enable continuous testing.
- **Functional Requirements**
 - **Pre-Built Test Scenarios:** KPMG's automation suite provides a library of predefined test cases tailored for IAM workflows.
 - **Modular Architecture:** Facilitates easier maintenance and streamlined code updates.
 - **Data-Driven Testing:** Reduces manual execution by automating test cases with varied data sets.
 - **CI/CD Integration:** Enables seamless continuous testing and rapid issue detection.
 - **Comprehensive Reporting:** Real-time dashboards deliver actionable insights on test results.
 - **Multi-Platform Support:** Ensures compatibility across web, mobile, and multiple operating systems.

Business Value

KPMG's automated testing framework for Saviynt provides enterprises with substantial advantages by improving efficiency, reducing errors, and strengthening security within identity governance workflows.

Key Benefits:

- **Enhanced Efficiency:** Automation minimizes manual testing efforts, accelerating deployment cycles.
- **Improved Accuracy & Reliability:** Advanced use-case models ensure high-integrity testing for IAM changes.
- **Optimized Risk Management:** Pre-built frameworks mitigate deployment risks by identifying potential defects early.
- **Regulatory Compliance:** Comprehensive logging and audit-ready reports facilitate adherence to security regulations.

3. Basic Solution Flow

• Initiation

- The testing process begins with selecting relevant test scenarios within the automated framework.
- The automation suite is configured with predefined test cases to align with Saviynt workflows.

• Test Execution

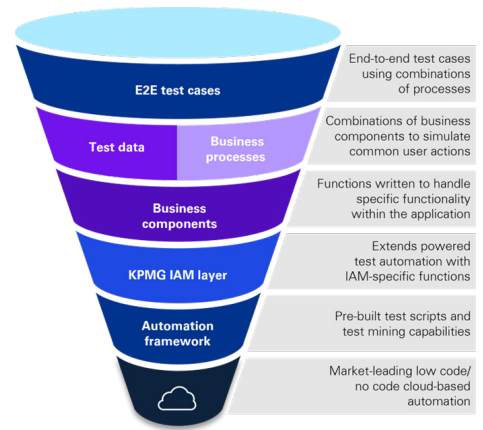
- Automated scripts validate IAM updates, checking security, compliance, and functional accuracy.
- Cross-platform testing ensures seamless compatibility across different OS and browser environments.
- Selenium-based automation extends test coverage and supports iterative process improvements.

• Reporting & Analysis

- Detailed logs document successes, failures, and performance trends.
- Comprehensive reports facilitate audit compliance and ongoing process refinement.

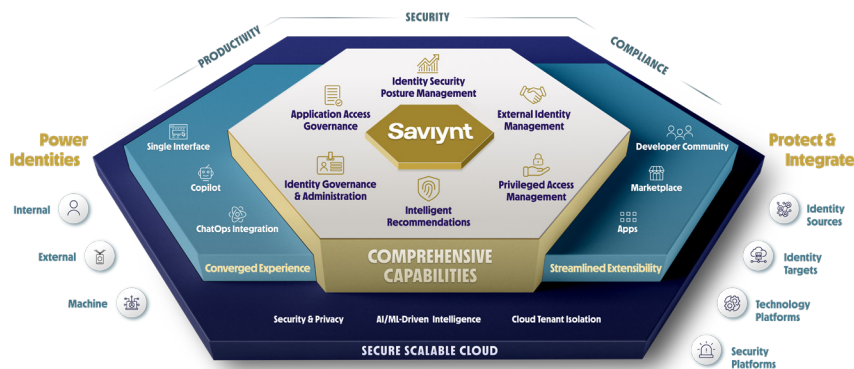
3. Postconditions

- Verified IAM configurations and updates with reduced deployment risks.
- Enhanced security and compliance through automated risk assessment.
- Significant reduction in manual testing efforts, leading to cost savings.
- Standardized, repeatable testing processes ensuring deployment consistency.



The Identity Cloud combines core identity security capabilities in a single platform that enhances security while reducing costs and management headaches.

The Identity Cloud



ABOUT PARTNER

KPMG is a globally recognized leader in advisory and technology solutions, offering innovative approaches to cybersecurity, risk management, and identity governance. Our expertise in automated testing enables organizations to achieve reliable, high-quality deployments with increased efficiency and security.

For more information, visit www.kpmg.com

ABOUT SAVIYNT

Saviynt is the leading identity governance platform built for the cloud. It helps enterprise customers accelerate modern cloud initiatives and solve the toughest security and compliance challenges in record time. The Saviynt Enterprise Identity Cloud converges IGA, granular application access, cloud security, and privileged access into the industry's only enterprise-grade SaaS solution.

Solution Advantages

- **Operational Excellence:** Automates testing, enabling faster, secure releases.
- **Accuracy:** Ensures consistency and reduces errors.
- **Compliance:** Provides logs for tracking; meets security standards.
- **Scalability & Cost:** Adapts to growth and reduces manual testing costs.
- **User Experience:** Seamlessly integrates and resolves issues quickly.

Next Steps

- View the extensive library of integrations at <https://saviynt.com/integrations> to see detailed information and implementation guides designed to help you get the most from the Enterprise Identity Cloud.