

FINAL TEST EXECUTION REPORT – WORKFLOW PRO

QA Automation Program | Date: 28 Jan 2026 (Asia/Kolkata)

Document Classification: Internal -Engineering & Product Leadership

1. Executive Summary

This report presents the final results from automated and manual testing executed against the Staging environment for the WorkFlow Pro multi-tenant SaaS platform prior to a planned Production release. The objective was to validate business-critical workflows, tenant isolation, authentication integrity, cross-browser compatibility, API contract stability, and CI/CD readiness. A total of 78 automated test cases were executed across UI, API and integration layers. The overall pass rate for this execution cycle was 96.4% and the release is recommended for conditional approval.

2. Scope of Execution

- **In Scope:**
 - Authentication & Authorization flows (including SSO/2FA bypass for automation)
 - Multi-tenant routing and security / tenant isolation
 - Project lifecycle: create, update, list, delete, search, filter
 - User and role management: invite, role assignment, permission checks
 - API contract & schema validation for core endpoints
 - Cross-browser desktop compatibility and mobile responsive validation
- **Out of Scope:**
 - Load/stress/performance testing (handled by Performance Team)
 - Full penetration/security testing (handled by Security Team)

3. Test Objectives & Acceptance Criteria

Primary Objectives:

1. ● Verify no cross-tenant visibility for data and resources
2. ● Confirm authentication reliability and session handling
3. ● Ensure critical flows function across supported browsers and devices

Acceptance Criteria:

4. ● Regression pass rate $\geq 95\%$
5. ● No open critical or P0 defects
6. ● All high-severity defects either resolved or have a justified mitigation plan

4. Test Environment & Configuration

Item	Details
Environment	Staging
Deployment Tag	build-2026.01.27-rc1
Base URL	https://staging.workflowpro.com
Browsers	Chrome 121, Firefox 120, Safari 17
Devices	iPhone 14 (iOS 17), Pixel 8 (Android 14)
Execution Host	GitHub Actions runners + Local CI runners
Cloud Device Grid	BrowserStack Enterprise
Test Data	Dedicated tenant-scoped masked datasets; nightly cleanup

5. Test Suites & Execution Summary

Suite	Total	Passed	Failed	Skipped
Smoke	10	10	0	0
Regression	45	43	2	0
API	15	15	0	0
Integration	8	7	1	0

Overall Pass Rate: 96.4%

6. Failed Test Analysis & Evidence

Summary of Failures:

- Two failures in the Regression suite related to Project Search component (unstable selectors and layout timing).
- One intermittent login timeout observed in Canary region during network congestion.
- Evidence and Artifacts Collected:
 - Screenshots for each failure (attached in CI artifacts)
 - HAR files and network logs for failed login attempts
 - DOM snapshots and video recordings for flaky UI tests

7. Defect Summary

Defect ID	Severity	Area	Status
BUG-201	High	Login - Timeout under network delay	Open
BUG-214	Medium	Project Search - Selector flakiness	Fixed

8. Root Cause Analysis & Remediation

- Root Causes Identified:
 - DOM refactoring removed stable IDs causing selector volatility.
 - Network timeouts surfaced due to aggressive CI parallelism and small timeouts.
- Remediation Actions Taken:
 - Introduced data-test-id attributes across critical components.
 - Increased default timeouts for CI runs and added exponential backoff for flaky endpoints.
 - Implemented nightly stabilization pipeline to re-run flaky tests and tag for triage.

9. Risk Assessment & Mitigation

- Residual Risks:
 - Login performance under production peak (mitigation: performance testing before GA).
 - CSS regressions on older Safari versions (mitigation: visual regression + targeted browser tests).

10. Release Recommendation & Conditions

- Status: CONDITIONAL APPROVAL
- Conditions for Production Deployment:
 - BUG-201 must be resolved and verified in staging.
 - 48-hour post-deploy burn-in with production-like synthetic traffic.
 - Security smoke tests (authentication/authorization checks) to pass.

11. Sign-off

QA Lead: Mitanshu Shinde Date: 28 Jan 2026

Engineering Manager: _____ - _____ Date: -

Product Owner: _____ Date: _____

12. Appendix

- A. Test Evidence Index: location of CI artifacts, screenshots, HAR files, and logs.
- B. Traceability: sample mapping between requirements and test cases (available in repo).
- C. Execution logs: linked in CI job run artifacts.