

JIRA 10.3 Upgrade Test Analysis Report

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Environment: UAT (jirauat.smedigitalapps.com)





Analyst: Automated Analysis System

For: Irina's Team - JIRA Upgrade Validation

Executive Summary

This report analyzes the comprehensive testing results for the JIRA 10.3 upgrade in the UAT environment. The analysis covers performance benchmarks, authentication regression testing, and end-to-end test results.

Key Findings:

-  **2 Critical Issues** requiring immediate attention
-  **4 High Priority Issues** needing resolution before production
-  **3 Medium Priority Issues** for optimization consideration
-  **0 Low Priority Issues** for future improvement

Overall Recommendation:  **DO NOT PROCEED TO PRODUCTION** - Critical issues must be resolved first.

Critical Issues (Immediate Action Required)

1. Issue Navigator has excessive load time (20928ms)

Category: Performance

Impact: Severely impacts user experience and productivity

Recommendation: Immediate optimization required - investigate database queries, caching, and resource loading

2. Login flow is completely broken - users stuck in redirect loop

Category: Authentication

Impact: BLOCKING: No users can access the system via automated tools or fresh sessions

Recommendation: IMMEDIATE ACTION REQUIRED: Investigate authentication middleware, SSO configuration, and session handling in JIRA 10.3

High Priority Issues

1. ITSM Project has slow load time (8873ms)

Category: Performance

Impact: Degrades user experience and may cause user frustration

Recommendation: Optimize performance - review database queries and implement caching strategies

2. Session persistence issues between manual and automated sessions

Category: Authentication

Impact: Automated testing and monitoring tools cannot authenticate properly

Recommendation: Review session cookie configuration and implement proper session capture/restore mechanisms

3. permissionViolation parameter appears in login redirects

Category: Authentication

Impact: Suggests access control changes that may affect user permissions

Recommendation: Audit permission schemes and group memberships after upgrade

4. All Playwright E2E tests failing due to authentication issues

Category: Testing

Impact: Cannot validate critical user workflows automatically

Recommendation: Fix authentication issues first, then re-run comprehensive E2E test suite

Medium Priority Issues

1. Dashboard has moderate load time (5657ms)

Category: Performance

Impact: Acceptable but could be improved for better user experience

Recommendation: Consider performance optimizations during next maintenance window

2. Test timeout configurations insufficient for current performance

Category: Testing

Impact: Tests may fail due to timeouts rather than actual functionality issues

Recommendation: Adjust test timeouts to account for current system performance characteristics

3. Search functionality returning 0 results in performance tests

Category: Testing

Impact: May indicate search indexing issues or permission problems

Recommendation: Investigate search index status and re-index if necessary



Recommended Next Steps

1. Immediate Actions:

- Immediate optimization required - investigate database queries, caching, and resource loading

- IMMEDIATE ACTION REQUIRED: Investigate authentication middleware, SSO configuration, and session handling in JIRA 10.3

2. **Before Production Deployment:**

- Optimize performance - review database queries and implement caching strategies

- Review session cookie configuration and implement proper session capture/restore mechanisms

- Audit permission schemes and group memberships after upgrade

- Fix authentication issues first, then re-run comprehensive E2E test suite

3. **Post-Deployment Optimization:**

- Consider performance optimizations during next maintenance window

- Adjust test timeouts to account for current system performance characteristics

- Investigate search index status and re-index if necessary

4. **Re-testing Required:**

- Re-run all E2E tests after authentication fixes

- Validate performance improvements

- Confirm search functionality is working

- Test user workflows end-to-end

Technical Details

Performance Benchmark Summary

- Dashboard: Acceptable performance
- Issue Navigator: **CRITICAL** - 20+ second load times
- ITSM Project: Moderate performance
- DPSA Project: Excellent performance
- Search: Functional but returning 0 results

- Create Issue: Excellent performance

Authentication Issues

- Login redirect loop prevents access
- Session persistence broken
- Permission violations detected

Test Environment

- Environment: UAT (jirauat.smedigitalapps.com)
- JIRA Version: 10.3
- Test Framework: Playwright
- Performance Monitoring: Custom benchmarking

This report was generated automatically by the JIRA Upgrade Testing System

For questions or additional analysis, contact the testing team