



Enterprise Software Testing Services

Enterprise software solutions (ERP, CRM, SCM) are an essential part of many large enterprises and by their nature serve as the backbone of operations. Given the critical role Enterprise software solutions play, it is imperative that they operate effectively and efficiently. As the leader in delivering independent quality management solutions, AppLabs is

uniquely positioned to ensure not only successful deployment of your Enterprise Software but also their version upgrade and migration. AppLabs' service offerings bring value to all stages of an Enterprise software lifecycle thus enabling realization of the objectives of Enterprise projects.

Customer Speaks

on AppLabs' Services

“AppLabs brings significant expertise and unique testing methodologies. It has a highly motivated and talented workforce and offers flexibility in its team deployment. Overall, I am a satisfied customer and AppLabs is a great company to work with.”

**Srinivasa Parthasarathy, VP, Application Development and CTO,
Farmers Insurance Group.**



Enterprise Software Testing Services Summary

Implementation of an Enterprise software application is very complex and often involves a substantial amount of time and budget. AppLabs understands that the challenges in Enterprise software implementations could arise due to the following scenarios:

- ▶ **Complex Technology Landscape:** Requiring complex implementations with specific programming and configurations, and industry specific business processes
- ▶ **Broader Scale:** Multi-geography projects needing deeper and wider levels of enterprise-scale software test management experience
- ▶ **Integration Challenges:** Requiring integration with newer as well as legacy and third-party applications.
- ▶ **Product Upgrades and Interim Releases:** Application vendors going in for interim market releases and product upgrades that require on-going testing, modeling of relevant business scenarios as well as an integrated suite of automated test cases
- ▶ **Performance Issues:** Lack of a comprehensive performance test plan leading to performance issues at various levels (application, database, load characterization, user roles, critical paths, ramp rates, tools, protocols, injection points, load origination)
- ▶ **Regulatory Compliance:** Both country-specific and country-neutral compliance and regulatory requirements have become high priority across various industries.

AppLabs' Enterprise Software Testing Services will assist in assuring delivery of software products and systems that fully meet the testing requirements for all the key stakeholders. As the world's largest independent software testing company, AppLabs is remarkably positioned to ensure successful deployment of the Enterprise projects. AppLabs recognizes that identifying problems only provides part of the solution. AppLabs' in-depth experience in technology development and testing ensures that the source of the problem is identified and a remedial course of action is recommended.

AppLabs' proven in-house methodology and its track record in testing large, complex mission critical systems for production-ready deployment provides a unique advantage of ensuring quality at every step. AppLabs has an Enterprise software TCoE (Test Center of Excellence) which is leveraged for all its Enterprise software testing projects and adopts a phased approach spreading across four stages: Discovery, Plan-Strategize, Proof of Concept / Design and Execution. All through these phases, AppLabs' tools expertise and process methodologies evolved from global standards will ensure the best quality to the clients.

CRM	ERP	SCM
Test Center of Excellence		
▶ QA Process Definition and Implementation	▶ Test Accelerators	
▶ Test Data Management	▶ Business and Automation Framework	
Compliance and Regulatory Testing		
▶ Sox Compliance Testing	▶ Web Accessibility Standards	
▶ SaS - 70 Compliance Testing	▶ Vertical Specific Compliance Testing (HIPAA, FDA, PCI)	
Implementation Testing		
▶ Business Process Testing	▶ I18N and L10N Testing	
▶ Data Validation	▶ System and Integration Testing	
Functional Testing		
▶ System Testing	▶ Test Automation	▶ Risk Based Testing
▶ Integration Testing	▶ Operational Acceptance Testing	▶ Predictive Testing
▶ Regression Testing	▶ User Acceptance Testing	▶ Targetted Testing
Non Functional Testing		
▶ Performance Testing	▶ Scale Testing	▶ Volume Testing
▶ Load Testing	▶ Security Testing	▶ Cloud Testing
▶ Stress Testing	▶ Penetration Testing	▶ Network Testing
▶ Certification		
Upgrade Testing		
▶ Technology Stack Certification	▶ Interoperability Testing	
▶ Data Migration Testing	▶ Compatibility Testing	
Ongoing Support and Maintenance		
▶ Patch / Hot Fix Testing	▶ Regression Pack Testing	
▶ Service Pack Testing	▶ Health Monitoring	

AppLabs test offerings are segregated into three main segments:

- ▶ **Functional offering** including diverse testing types to suit the client needs - business process and transaction testing, migration testing, integration testing, user acceptance testing, compliance testing and upgrade testing
- ▶ **Non Functional offering** like performance load and stress testing, security testing
- ▶ **Automation offering** that covers regression testing

Key Partnerships



AppLabs' Enterprise software testing services span the breadth and depth of Enterprise software packages including SAP and Oracle E-Business Suite amongst others. AppLabs leverages expertise from its strong and established partner relationships with SAP and Oracle for complex Enterprise software testing, while taking advantage of its dedicated team of testers who have rich experience in industry standard tools for test automation in the following:

HP Quick Test Professional, IBM Rational Functional Tester (RFT), SAP Test Acceleration and Optimization (TAO), performance testing (HP LoadRunner, Silk Performer, QA Load, Webload, OpenSTA and JMeter), Security testing (Acunetix, Nessus, Qualys, Ounce, Fortify), and test data management amongst others.

The AppLabs advantage gives an edge and several benefits galore. Some of them include:

Quality Improvement by

- ▶ Increasing formal QA practices and standards into the SDLC
- ▶ Expanding the use of testing tools across the enterprise portfolios
- ▶ Determining testing progress and production readiness through metrics
- ▶ Create reusable assets for improvement in productivity

Cost Reduction by

- ▶ Identifying the defects during early stages of life cycle
- ▶ Optimized / Effective usage of resources
- ▶ Building reusable assets (test harness)
- ▶ Effective implementation of knowledge management practices

Reduction in Time to Market by:

- ▶ Standardizing tools and streamlining of processes
- ▶ Automating test data creation
- ▶ Increasing automation to reduce test cycles
- ▶ Creating efficient test environment management

Practice Overview

Strong domain and functional knowledge; excellence in testing and delivery; expertise in tools and proficiency in building solid Test Centers of Excellence have been the corner stones of AppLabs Enterprise software testing practice. AppLabs also have specific Enterprise software SLAs in place for engagements. This precisely is the reason why all Enterprise software test experts deployed by AppLabs on diverse engagements display high levels of precision and accountability.



no doubt about it