

A background image of a modern office with several people working at computer workstations. The scene is brightly lit with a blue color palette. Overlaid on this image is the main title 'SOFTWARE TESTING SERVICES' in large, white, bold, sans-serif capital letters. Below the title, the subtitle 'Assuring Business Ready Applications' is written in a smaller, white, sans-serif font.

# SOFTWARE TESTING SERVICES

Assuring Business Ready Applications

**The business cost of a software defect and the resulting application down-time is exponentially high. Focus on defect prevention and deliver software faster.**

GSS Infotech Quality Assurance and Testing Services are Tried, Trusted and Tested. We call it GSS T3 Edge. Our exceptional customer focus, use of robust test methodologies, test automation expertise and adoption of a global delivery model ensures that we deliver business ready software; optimizing customer investment and delivery timeframes.

#### **Quality Assurance and Testing Services**

Our independent verification and validation offerings enable predictable, efficient and cost-effective software delivery. Our Software Test Life Cycle (STLC) methodology encompasses test strategies dependent upon identified risks, business criticality, user usage environment and schedules. It incorporates the selection of test tools, competency mapping and resource utilization.

Our mature testing services ensure software applications work reliably and correctly under different user usage situations. Our unique expertise in designing test cases using multi-dimensional combinatorial testing methodologies improves quality, coverage, and schedules, reducing testing costs. In addition, test-and-release effectiveness dashboards allow for informed decision-making on the tested software, improving overall quality.

#### **Functional Testing**

The key to the successful launch of any business-ready application is to ensure all the inherent defects are identified and removed prior to install. At GSS Infotech we focus on proactive assurance, we engage our QA experts at early stages in the life-cycle. Our shared services delivery model means our customers benefit from complete utilization of SME bandwidth tailored to their specific business needs.

#### **Testing Business Solutions**

- System Testing
- Regression Testing
- Database Testing
- SOA / Web Services / API Testing
- GUI and Usability Testing
- Compatibility Testing

#### **Functional Testing**

- Load, Stress, Volume, Scalability
- Security Testing
- Defect Analysis & Reporting

#### **Test Automation**

- Core Test Automation
- Automation Consultancy

#### **Quality Assurance Services**

- Process Performance Modeling
- Process Definition & Assessment
- Testing Center of Excellence
- Six Sigma
- Metrics Management

## About GSS Infotech

GSS Infotech provides enterprise level technology solutions that focus on driving business efficiency and reducing total cost of ownership. Founded in 1999, GSS Infotech operates worldwide through offices in the U.S., India and the Middle East. We provide customized and cost-effective solutions to customers, focusing on Infrastructure Management, Cloud Enablement and Application Development.

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### Performance Testing

Our performance optimization framework enables identification of application performance levels for the designed infrastructure capacity, while considering the number of concurrent users, transaction volumes and acceptable service levels.

The objective is to ensure the application performance against the benchmarking requirements both from the client and server-side perspectives with metrics analysis and reporting. Root Cause analysis identifies performance issues and informs resolution strategy.

Our approach, encompasses integration of application and production quality and ensures an objective and unbiased focus and minimizes risks of failure in production.

### Security Testing

Our security test solutions assure complete data protection and privacy from possible attacks. Our security testing framework is integrated early into the software development lifecycle to provide early identification allowing for the necessary remedial action. We employ comprehensive processes for threat modeling, reviewing use cases, functionality and data flows, and the application deployment view.

### Test Automation

Test automation solutions provide consistency and higher ROI. Our unique hybrid testing frameworks multiply reusability with significant reduction in the life-cycle costs associated with the testing effort.

GSS Infotech helps customers to identify applications ready for automation and quantifies the ROI. Our mature processes, proven tools and efficient methodologies help customers to improve their service levels and delight end users. The focus is on continuous innovation in our delivery practices with total customer business orientation.

### Quality

GSS Infotech is a CMMi Level 5 company. Our Quality Management System (QMS) covers both the business and delivery process is certified to ISO 9001 QMS, ISO 27001 ISMS, and ISO 20000 ITSM standards.

The intrinsic behavior of any IT application is greatly influenced by the maturity of the testing and development protocol. The GSS Infotech Quality Management System (QMS) is available online 24x7 to all employees to support process compliance and predictable delivery to all customers. We leverage Six Sigma methodology for driving continuous improvements in processes and customer satisfaction.

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