



## Driving Seamless System Performance with Innovative Application Testing Solutions

- As organizations look to streamline their IT landscape they are facing pressing challenges posed by the increase in size, complexity and integration of business applications. Multi-tiered system architecture and shared resources in a virtualized environment are other factors that affect application performance and responsiveness.

As this impacts business growth, organizations need to test and enhance their application performance to optimize their business performance.

Application performance affects web traffic, revenue generation, business and/or customer satisfaction. End-users and potential customers find system failure, down-time and incompetent applications irksome and refuse to wait for pages to load. This leads to loss of web traffic and reduced revenue opportunities. In an effort to rectify this, organizations end up spending a great deal of time and effort in engaging developers to debug applications, and reduce problems.

Adopting a proactive approach to application performance management will reduce the need for corrective measures, deliver faster business growth and ensure that you stay ahead of the competitive curve.

### Syntel's Solution

Syntel's **Performance Testing Services** are carefully designed to understand performance needs, measure your existing application performance, advise you on the way ahead and offer you the following:

- **Load Testing** for average and peak workload
- **Stress Testing** for increasing peak workload
- **Volume Testing** for peak data volumes
- **Endurance Testing** for reliability over an extended period of time
- **Scalability Testing** to determine system capacity threshold
- **Performance Consulting** for process assessment
- **Performance Engineering** for diagnosis and system performance optimization

In three simple steps, Syntel's **Performance Testing Services** help you take business-critical decisions on how to implement and effortlessly manage refined applications.

1. Assesses speed, scalability, reliability and stability of your applications
2. Gauges the application's response to user requests under expected circumstances
3. Determines application stability and limits under stressful situations

### Salient Features of the Solution

- **End-to-end capabilities**, from defining a performance testing approach, identification of appropriate tools and methodologies to setting up a performance test factory
- **Strategic alliances** with enterprise-class tool vendors such as HP, IBM, Microsoft and CA
- **Highly scalable solutions**—matured processes and structured methodology with customizable templates and guidelines
- **Tools and utilities** to accelerate performance testing such as Test Data Management tool, Script Audit Tool, Batch Utility, Reusable Function Library to enable script debugging and data handling
- **Detailed test analysis reports**, identifying performance bottlenecks and recommendations
- Availability of Syntel's **leading commercial performance testing tools** with huge cost savings
- **Proficient performance test engineers** with in-depth experience across various tools and technologies

### DELIVERING EXCELLENCE WITH SYNTEL'S TESTING COE

Syntel's in-house **Testing Center of Excellence (CoE)** includes a team of technical experts who collaborate with domain industry experts to leverage their proficiency and provide comprehensive performance testing solutions for your specific business needs. Syntel's customized, domain-centric and ROI-driven Testing solutions range from independent test offerings to setting up dedicated Testing Centers of Excellence for your organization:

- Syntel's **Integrated Test Accelerator Platform (iTAP)** - an innovative solution distilling Syntel's rich experience and learning from testing engagements to address these elements with an integrated platform
- The **Business Process Test Repository (BPTR)** - a domain-based solution that introduces domain intelligence into the test design phase, addressing gaps between business knowledge and testing
- Other services include **Agile, BI/DW testing - ETL Testing, Reports Testing and data testing and ERP**

## WHY SYNTEL?

- A leading global IT and KPO service provider
- Established in 1980 (NASDAQ: SYNT)
- More than 24 offices in North America, Europe and Asia
- Flexible onsite-offshore global delivery model
- Dedicated Centers of Excellence (CoE), such as the **Testing CoE**, to help clients with expert advice and project guidance

## Business Benefits

Syntel's Performance Testing enables your business and IT teams to achieve operational excellence with the following benefits:

- **Increased software quality** through improved production performance and application response time
- **Reduced costs** by elimination of performance defects creeping into production and improved use of IT infrastructure
- **Enhanced application performance measurement**
- **Improved customer experience** by identifying and resolving system bottlenecks with a scalable solution

## Up to 50% Reduction in Performance Testing Efforts

Syntel collaborated with a leading chain of retail departmental stores in the U.S. for high standard Performance Testing of their different applications ranging from eCommerce, COBOL, Mainframe – CICS to Batch. The project rendered:

- **30-50% reduction in performance testing efforts**, with new frameworks and workload models
- **Solutions to highlight anomalies** with the web server on the physical environment issues for Hyperion Essbase
- **Effective solution fix** for the performance issues in the Production Store system
- Extensive load test schedules and **removal of potential bottlenecks** such as load balancing and clusters configurations issues
- **Completion of system, integration and remediation testing** for an upgrade project for 17 applications, with more than 500 test scripts for 2,000 programs of Mainframe Jobs, CICS – GUI applications