Sonata’s Product Quality Assurance Services
ISVs to Gain From Sonata’s Product Quality Assurance Service

Sonata’s Product Quality Assurance Services, powered by our product lifecycle-based testing model, help Independent Software Vendors (ISVs) deliver world-class products, achieve faster time-to-market and reduce testing costs.

With unmatched experience, comprehensive service offerings, mature processes and test automation frameworks, Sonata helps ISVs enhance client satisfaction and stay competitive in a demanding market place.

Sonata’s Product Quality Assurance Services utilize an unbiased and objective approach with exhaustive testing to deliver world-class products. This allows the ISVs’ internal engineering teams to focus on more strategic business initiatives.

Product Lifecycle-based Testing Model

The experience of working with over 60 ISVs has given us a firm understanding of their testing needs at various stages of the product lifecycle. We ensure that the testing activities carried out by Sonata are synchronized with our clients’ product release cycles.
### Specialized Testing Services for ISVs

<table>
<thead>
<tr>
<th>Compatibility Testing</th>
<th>Performance Testing</th>
<th>Internationalization/Localization Testing</th>
</tr>
</thead>
</table>
| • Well-equipped compatibility test lab  
  – OS, Databases  
  – Browsers, App servers, Web servers  
  • Highly scalable and specialized virtual test team  
  • Re-usable test cases  
  • Flexible pricing models  
  • Audit/certification assistance  | • Testing of product response under different loads, environments and data sources  
  • Volume and recovery testing  
  • Identification of potential performance bottlenecks  
  • Hardware platform sizing  
  • Tools expertise  | • Application check for locale settings and consistency  
  • Country/region-specific business process validation  
  • Leveraging of package implementation experience across multiple geographies  
  • Multi-language support testing – UI and Content |

<table>
<thead>
<tr>
<th>Installation/Deployment Testing</th>
<th>Usability Testing</th>
<th>Application Security Testing</th>
</tr>
</thead>
</table>
| • Validation of deployment options and configurations  
  • Validation of components/files deployed  
  • Deployment under different environments  
  • Testing of upgrades  
  • Validation of license process  
  • Sanity testing  | • Ensuring ease of use including navigation  
  • Conformation to standards and guidelines  
  • Section 508 compliance  | • Application vulnerability assessment  
  – SQL injection  
  – Buffer overflows  
  – URL manipulations  
  – Client script manipulations  
  – Cookie-poisoning, etc.  
  • Re-usable test scenarios |

**Quality**, **Service**, **Realibility**, **Efficiency**, **Responsibility**
SonnetTEST – Regression Test Automation Framework

SonnetTEST leverages our expertise in testing multiple releases of complex business applications and technologies. SonnetTEST uses a combination of action-keyword and data-driven approaches to ensure a high degree of reusability. With 104 built-in keywords of SonnetTEST, you can jump-start your test automation for web applications, client server and mainframe systems.

The central component of SonnetTEST is a test driver, which orchestrates test automation along with HP QuickTest Professional software.

This framework achieves measurable improvement and consistency in test coverage as well as reduction in the effort and cycle time for Regression Testing in the long run, by ensuring a high degree of reusability. In addition, by breaking down test cases into a series of basic action keywords, the preparation and execution of automated test cases is possible, even with limited knowledge of automation scripting.

SonnetTEST is fully integrated with the HP Quality Center software.

Re-usable test scripts: Each test case is broken down into a series of action keywords, which in turn are automated using scripts
Re-usable test cases: Isolates test data from test case steps to facilitate execution of the same test case with different sets of data
Re-usable across applications: Can be used across web, client-server or mainframe applications
Re-usable across platforms: Uses configurable environment variables and hence scripts can be run in different environments/machines
Reduction in automation effort: Reduces the automation effort by up to 50% over 3-4 release cycles
Reduces the need for automation scripting expertise by almost 40%
## Tools Expertise

<table>
<thead>
<tr>
<th>Functional Testing</th>
<th>Performance Testing</th>
<th>Test Management</th>
<th>Defect Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>• HP Quick Test Professional Software</td>
<td>• HP Performance Center Suite</td>
<td>• HP Quality Center Software</td>
<td>• ABTS (Sonata’s tool)</td>
</tr>
<tr>
<td>• HP WinRunner Software</td>
<td>• HP Load Runner Software</td>
<td>• HP Test Director for Quality Center Software</td>
<td>• Bugzilla</td>
</tr>
<tr>
<td>• HP Functional Testing Software</td>
<td></td>
<td></td>
<td>• Jira</td>
</tr>
</tbody>
</table>

## Sonata Value Proposition

### Ensure World-Class Products
- Comprehensive service offerings covering virtually any testing need
- Unbiased, objective testing
- Assured product quality improvement, driven by metrics and SLAs
- Integrated defect tracking, analysis and reports
- World-class QA processes

### Enhance ROI
- Optimized Global Delivery Model resulting in cost-effective service delivery
- Re-usable frameworks, which reduce the effort and time involved in regression testing
- Relentless focus on productivity enhancements
- Well-equipped test labs that can be leveraged for specialized testing engagements

### Gain Time-to-Market Advantage
- Rapidly scalable test team well-versed in various testing tools & technology environments
- Sonata’s responsibility for end-to-end testing, allowing clients’ internal resources to focus on adding powerful and differentiated functionality
- Mature, robust processes that help quicker turn around and detection of errors early in the cycle
- Analysis of defects and feedback to development teams to reduce cycle time
- SonnetTEST, our proven automation framework, drastically cuts down regression testing time-cycles in the long run
- Alignment of testing cycles with the ISV product release plans

---

"Great job and I am very impressed to see the progress on test cases while you guys are closing the bugs, testing new tabs and logging new issues in JIRA on daily bases. Let’s keep up the good work."

Leading Service Management Product Vendor

"Your team did an excellent job with these, they covered everything that we asked. Please let the writers know they did a good job with these."

Leading Platform Vendor
ABOUT SONATA SOFTWARE
Sonata Software is a global IT services firm focused on catalyzing transformational IT initiatives of its clients through deep domain knowledge, technology expertise and customer commitment. The company delivers innovative new solutions for Travel, Retail and Consumer Goods industries by integrating technologies such as Omni-Channel Commerce, Mobility, Analytics, Cloud and ERP, to drive enhanced customer engagement, operations efficiency and return on IT investments. A trusted long-term service provider to Fortune 100 companies across both the software product development and enterprise business segments, Sonata seeks to add differentiated value to leaders who want to make an impact on their businesses, with IT.

For more information write to us at:
info@sonata-software.com