

## Sonata's Product Quality Assurance Services

# Product Quality Assurance Services





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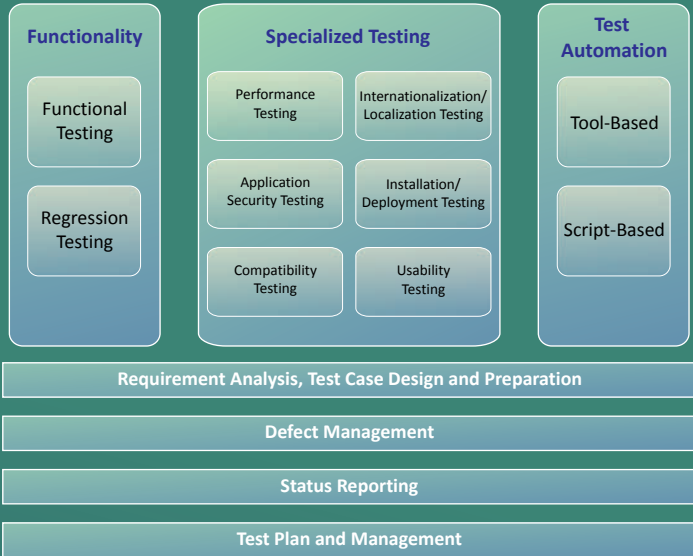
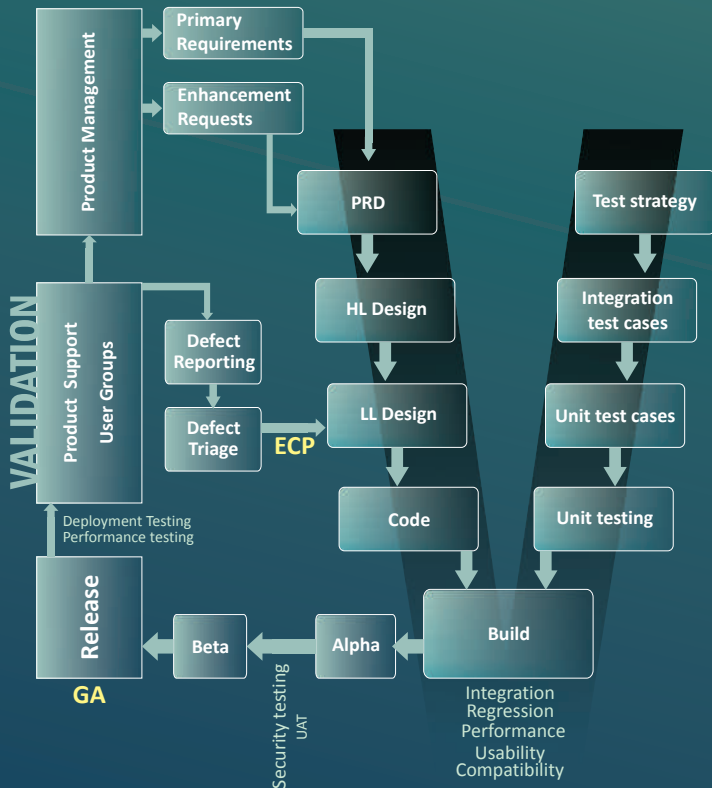
Sonata's Product Quality Assurance Services, powered by product lifecycle based testing model, help Independent Software Vendors (ISVs) deliver world-class products, achieve faster time-to-market and reduce testing costs.

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

Sonata's Product Quality Assurance Services offer an unbiased and objective testing approach with exhaustive testing to deliver world-class products. This also helps ISVs' internal engineering teams to focus on adding powerful and differentiating new functionality or other such strategic 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 the clients' product release cycles.



### Specialized Testing Services for ISVs:

<ul style="list-style-type: none"> <li>Well-equipped compatibility test lab             <ul style="list-style-type: none"> <li>OS, Databases</li> <li>Browsers, App servers, Web servers</li> </ul> </li> <li>Highly scalable &amp; specialized virtual test team</li> <li>Re-usable test cases</li> <li>Flexible pricing models</li> <li>Audit / certification assistance</li> </ul> <p><b>Compatibility Testing</b></p>	<ul style="list-style-type: none"> <li>Tests product response under different loads, environments &amp; data sources</li> <li>Volume and recovery testing</li> <li>Identifies potential performance bottlenecks</li> <li>Hardware platform sizing</li> <li>Tools expertise</li> </ul> <p><b>Performance Testing</b></p>	<ul style="list-style-type: none"> <li>Checks application for locale settings &amp; consistency</li> <li>Country / region-specific business process validation</li> <li>Leverage package implementation experience across multiple geographies</li> <li>Multi-language support testing – UI &amp; Content</li> </ul> <p><b>Internationalization / Localization Testing</b></p>
<ul style="list-style-type: none"> <li>Validates deployment options and configurations</li> <li>Validation of components/ files deployed</li> <li>Deployment under different environments</li> <li>Testing of upgrades</li> <li>Validation of license process</li> <li>Sanity testing</li> </ul> <p><b>Installation / Deployment Testing</b></p>	<ul style="list-style-type: none"> <li>Ease of use including navigation</li> <li>Conforms to standards and guidelines</li> <li>Section 508 compliance</li> </ul> <p><b>Usability Testing</b></p>	<ul style="list-style-type: none"> <li>Application vulnerability assessment             <ul style="list-style-type: none"> <li>SQL injection</li> <li>Buffer overflows</li> <li>URL manipulations</li> <li>Client script manipulations</li> <li>Cookie-poisoning, etc.</li> </ul> </li> <li>Re-usable test scenarios</li> </ul> <p><b>Application Security Testing</b></p>

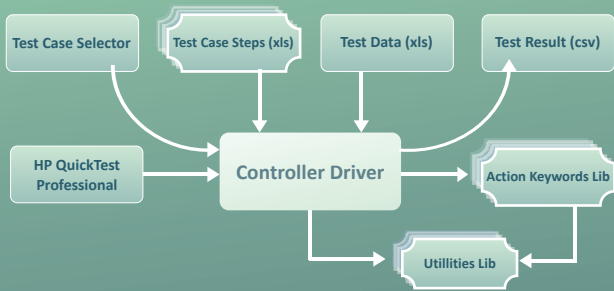
## SonnetTEST – Regression Test Automation Framework

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.



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This framework brings about measurable improvement & consistency in test coverage as well as reduction in the effort & cycle time for Regression Testing in the long run, by ensuring a high degree of reusability. Moreover, due to breakdown of test cases into a series of basic action keywords, the preparation and execution of automated test cases can be done 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 upto 50% over 3-4 release cycles  
Reduces the need for automation scripting expertise by almost 40%

### Tools Expertise

<b>Functional Testing</b> <ul style="list-style-type: none"> <li>HP QuickTest Professional software</li> <li>HP WinRunner software</li> <li>HP Functional Testing software</li> </ul>	<b>Performance Testing</b> <ul style="list-style-type: none"> <li>HP Performance Center suite</li> <li>HP LoadRunner software</li> </ul>
<b>Test Management</b> <ul style="list-style-type: none"> <li>HP Quality Center software</li> <li>HP TestDirector for Quality Center software</li> </ul>	<b>Defect Management</b> <ul style="list-style-type: none"> <li>ABTS (Sonata's tool)</li> <li>Bugzilla</li> <li>Jira</li> <li>Mantis</li> </ul>



Best Solution Partner for APAC, 2006

### 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
- Leverage world-class QA processes

#### Enhanced Rol

- 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

#### Time-to-market advantage

- Rapidly scalable test team well-versed in various testing tools & technology environments
- Sonata takes up 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
- Leverage SonnetTEST, our proven automation framework, to drastically cut down regression testing time-cycles in the long run
- Alignment of testing cycles with the ISV product release plans

#### Leading Service Management Product Vendor

*"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 Platform 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."*

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Based on an outcome-/SLA-driven service model, Sonata's testing practice group offers a compelling business proposition – cost optimization, productivity enhancement and improved software quality – to enterprises and software product organizations. Leveraging on a Global Delivery Model, Sonata has been managing large and complex testing engagements for its clients worldwide for over 15 years.

Sonata has established alliances with testing tool majors and attained expertise in most of the standard test tools. Sonata's testing frameworks and re-usable assets help improve the quality of testing and time to market.

Sonata Software, an IT consulting and services company, provides software services to global companies. Sonata's customers span across the US, Europe, Middle East and the Asia-Pacific. Its portfolio of services includes IT Consulting, Travel Solutions, Product Engineering Services, Application Development, Application Management, Software Testing, Business Intelligence, Infrastructure Management and Packaged Applications.

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