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make business better

Product information

# GH Tester for Software AG

Supports the 'design', 'build' 'test' and 'run' phases of a project

SOA and integration quality must be built-in to your project, not bolted on at the end. Green Hat's Next Generation Testing enables all-round quality improvements from design through to re-use. Better quality. More efficient & productive process. Increased ROI & customer satisfaction. Superior agility.

Software AG webMethods and CentraSite clients need testing that keeps up with the speed to market and constant transformation enabled by Software AG infrastructure. Testing that makes your business more agile, giving you greater confidence to roll out changes. How can you get that?

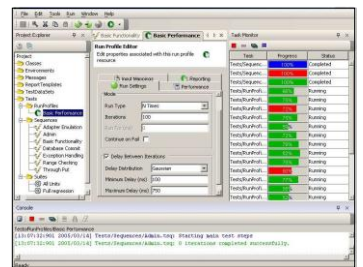
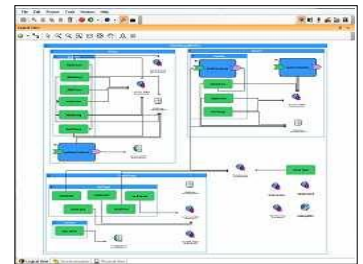
Green Hat introduces Next Generation Testing with GH Tester 5. Now organizations can have an automated testing framework covering the entire SOA lifecycle. Starting with business mandates, not an IT spec. Developers and testers can visualize the problem using industry standard notation in the same way they do on a whiteboard. Start automated testing at any part of your project lifecycle with:

- a new composite application
- regression tests for an existing system
- your ESB upgrade
- the first BPMS project
- CentraSite deployment.

GH Tester 5 allows teams to build tests directly from new SOA requirements. Or record existing services and processes as the baseline. Either way, it is quick and accurate. No more gaps between business and IT.

Next Generation Testing is beyond code-free. GH Tester understands how the system has been put together, making it easier than ever to build tests. The integration with webMethods Integration Server and Broker gives unparalleled ease of test creation and visibility into the process automation layer to provide validation, error, coverage and performance information. Build regression tests in minutes, then modify and re-use to isolate the exact position and nature of errors in new releases. Do thorough testing faster before production, in testing, even in development and give your business the agility it really wants: safe agility. This testing information and assets can then be published to people re-using the services, given them the ability to simulate the services they depend upon and the confidence to deploy their application.

GH Tester has built-in expertise about all your technologies, old and new, so you don't have to know everything. It's the only testing software that separates the logical and physical views of your systems, letting users visualize the testing problem. Users of all kinds can test with the same platform, share assets and see results. GH Tester integrates with other testing frameworks to enhance existing test management practices – automatically!



Share requirements to reduce errors

## SOA Lifecycle Features

### CentraSite Integration

GH Tester 5 with the GH Governance Pack for CentraSite provides Pre-Built Quality Policies. These accelerate setting up validation in your governance processes and executing certification checks. Publish assets to assist others in reusing the services, such as quality reports, service stubs and invocation examples.

### Coverage Reports

How do you know when you've done enough testing to get the results you want? Green Hat provides the first ever reports of testing coverage for SOA to complement the already rich diagnostics on the functional and performance readiness of your systems.

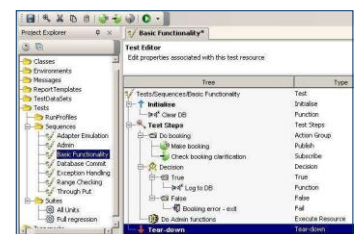
### Industry Messaging Testing

Eliminate the complexity and cost of testing industry-specific messaging formats like SWIFT, IATA and HL7, as well as any custom formats you may have developed in-house.

### Simulation Testing

Working around systems down for maintenance, accessing services belonging to third parties without incurring fees or booking test sessions, using enterprise applications without incurring additional complexity are challenges overcome easily with GH Tester 5. Green Hat pioneered simulation with automated stubs for these interfaces. Not just for one time use, but as assets always available in the CentraSite repository.

Green Hat is the global testing technology leader across the SOA lifecycle with dozens of Global 500 customers. We make testing simple for complex systems relying on webMethods IS and Broker, CentraSite and BPMS. Eliminate vague requirements. Get quality results faster. Make constant transformation sustainable with reusable assets and simulations. Boost quality and performance to exceed business requirements. Automate now. Make business better. Learn more at [www.greenhat.com](http://www.greenhat.com).



Simulate missing services



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### Get Started Fast with Software AG and Green Hat

GH Tester can connect to existing Integration Server packages, UDDI registries and CentraSite repositories to learn how your SOA is configured. This information is then used to build test cases, either by facilitating a record-and-playback paradigm for regression testing, or by using a wizard to extrapolate test scenarios from process information. Regression test cases can be modified to reflect “to-be” functionality, facilitating test-driven development.

### Test Anytime

By integrating with your build processes and test management systems, GH Tester becomes an essential part of your development framework, running tests when appropriate, automatically.

### Simulation

If you are building a flow based on a service that does not exist yet, testing might seem impossible. GH Tester allows services to be simulated, allowing testing to flow around blockages in the project and ensure the whole team can create quality deliverables on time. Simulations of services can be published to other users through CentraSite.

### Testing Everything

Tests generally consist of one or more triggers to the systems under test, and then validation of results and side effects. Data from one step of a test can be used to feed the next step. GH Tester is a fully functional test automation tool proven on 100s of projects over the past eight years. This means you can expect validation of databases, log files, external data sources (e.g. Excel) and many other functions and features that let you test all the way from your thin client to your back-end database, and the services and components in between. An API let’s you extend the product for your custom situations.

### Test at Any Phase - Green Field

GH Tester allows you to model system inputs and outputs without a system even existing! These represent the electronic requirements of the new system. According to IBM, roughly 70% of bugs detected during testing were introduced at the requirements phase. GH Tester has helped dozens of customers to avoid these costly problems, resulting in at least 100% ROI on the first project for many users.

### Test at Any Phase - Existing Projects

Already got services deployed? No problem! GH Tester can get you started fast. By importing assets from your webMethods Integration Server, GH Tester eliminates technical, time-consuming and error-prone re-keying. There are literally minutes between you installing the product and executing your first regression test.

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## Key Benefits

Get confidence to roll-out changes quickly, delivering on the agility promise of SOA.

Eliminate costly communication problems between teams.

Get test results 24-hours per day for free by integrating with your build process.

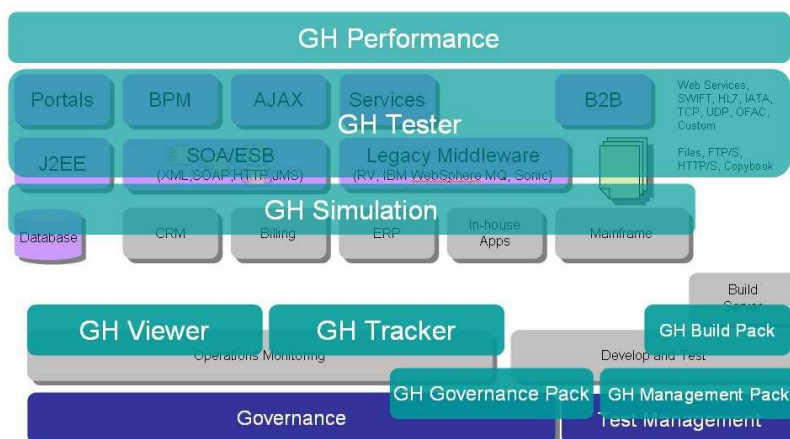
Push verification of quality all the way to the point where problems are introduced, either in your enterprise or in that of your supplier, minimising the costs of bugs.

Flow around project blockages caused by lack of availability of key systems.

Increase visibility across the enterprise.

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## Full Range of Products to Support your SOA Initiative



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