

# Guidewire® Model Based Testing Workbench



Capgemini's testing solution helps streamline and optimize claims transformation and policy administration

As **Guidewire Partner of the Year for 2011**, Capgemini brings proven experience and expertise to test your Guidewire applications.

After years of managing and maintaining complex, customized applications, insurance companies are increasingly moving towards packaged applications for their IT systems. The availability of flexible and scalable packaged solutions makes it easier for insurers to buy the right system rather than build it.

To support the IT needs of our insurance customers, Capgemini has partnered with Guidewire, a leading provider of modern core systems for property, casualty and workers compensation insurance, to produce quality and risk management solutions.

As **Guidewire Partner of the Year** for 2011, Capgemini brings proven experience and expertise to test your Guidewire applications. We have ready-made models to test core business scenarios for PolicyCenter, BillingCenter and ClaimCenter. These models can be used "out of the box" for testing claims, underwriting, policy and billing systems. Additionally, Capgemini provides independent testing, post-implementation support, and ongoing maintenance for Guidewire products.

# Why Model Based Testing?

## 6 Questions About Your Testing Efforts

1. Will the methodology used for “build your own” type implementations work for Guidewire?
2. Will my current testing scope provide enough coverage to address all business scenarios?
3. Do I need to test out of the box functionalities? Or should I only cover those aspects of the applications that are changing?
4. Will I realize an ROI for my investment in automation?
5. Is my current method of capturing requirements working?
6. Are changes becoming more difficult to manage?

Model based testing is a methodology and toolset designed to accelerate the creation of test scripts. The tools let users describe the system under test using process models which then automate the generation of test cases. With model based testing, experienced testing professionals with domain knowledge can reduce testing time for Guidewire by as much as 30%.

Capgemini’s Model Based Testing Workbench for Guidewire can jump start your testing efforts for PolicyCenter, ClaimsCenter and BillingCenter by providing pre-built models. The models can be updated to match your Guidewire customizations so you start with a strong base that ensures full test coverage and minimizes the time spent on test design.

## A Model Based Approach to Requirements

Requirements capture is an extensive, manual process involving subject matter experts (SMEs), business analysts and key stakeholders. Capgemini’s model based testing approach helps business analysts model requirements visually—reducing the time to review and customize. Our tool also helps manage traceability between business scenarios and outcomes of business scenarios to application transactions.

Once the base model is complete, test cases can be generated with the click of a button. These test scenarios and test cases can be integrated with a test management tool.

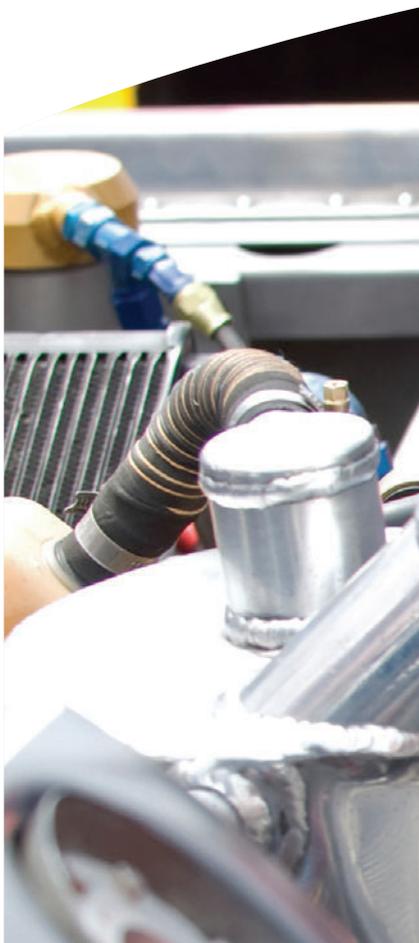
## Capgemini’s Automation Framework

Capgemini’s Automation Framework, known as CAFE, offers a hybrid approach to test execution automation. Developed based on our experience delivering client engagements, CAFE provides clients with faster ROI and lowers test automation costs.

As part of the Guidewire Model Based Testing Workbench, we have automated core functional areas for PolicyCenter, ClaimCenter and BillingCenter. CAFE has over 100 reusable functions for common tasks such as reporting, failover execution, dashboards and reports capture.

## Test Data Optimization

Orthogonal Array Testing (OAT) is a strategy to reduce the number of test data combinations for complex scenarios. It helps optimize test cases which reduces the testing effort for a project. OAT lets users build rules into the tool for data selection which is a proven method for validating rates and underwriting rules.



# Putting the Pieces Together

Capgemini's Model Based Testing Workbench for Guidewire is a collaborative approach to testing. Business analysts work on readily available requirements models using our model based tool. Changes are made to customized components and business processes. Since the models are visual, they are easy to review and update. Tool generated scenarios can be compared with the scenario repository to identify gaps in requirements capture.

With one click, quality assurance analysts can then create test cases which are integrated into a test management tool. Orthogonal array testing can be used to validate test data combinations and arrive at an optimum set of test data for the application.

Finally, CAFE helps insurers automate and leverage readily available function libraries to create scripts.

## Proven Value

Capgemini's Financial Services testing practice has a proven track record of delivering testing engagements for insurers. Capgemini's global testing team is one of the largest dedicated testing practices in the world and includes:

- **8,200** test professionals globally
- Over **2,700** test professionals focused on Financial Services
- More than **1,000** test professionals certified in ISTQB

**Sample Coverage**

**Guidewire PolicyCenter**

- Accounts Management
- Issue
- Renewal
- Submissions
- Cancellation
- Rewrite
- Reinstate

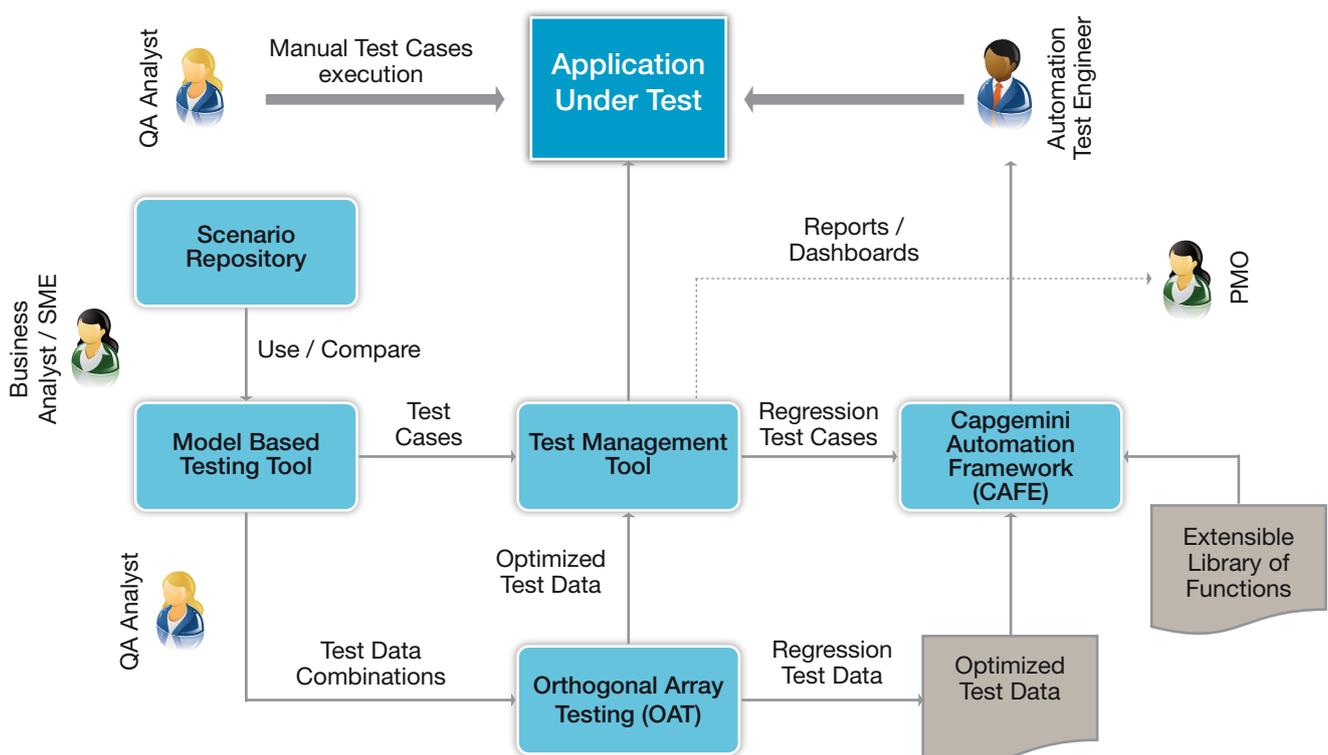
**Guidewire ClaimCenter**

- Loss Intake
- Investigation
- Coverage
- Settlement
- Recovery
- Reserve Management

**Guidewire BillingCenter**

- Policy Management
- Invoicing
- Payments
- Delinquency
- Security
- Disbursements

## Capgemini's Guidewire Model Based Testing Workbench



## Guidewire Model Based Testing Workbench Addresses Common Industry Challenges

You Firm is...	Guidewire Model Based Testing Workbench Provides...
Implementing Guidewire testing suite	Ready to use workbench covering test scenarios, test case for claim center. Our approach also provides framework for test management and test Automation
Upgrading to the latest version of Guidewire	A framework helps in customizing and upgrading to a higher version of Guidewire. Capgemini continuously maintains the framework to match the latest Guidewire release
Migrating from another Guidewire version	A head start by using pre-defined and customizable use case models, test scenarios and test cases. Capgemini's workbench includes testing methodologies that speedup migration, system and integration testing



“Capgemini’s Model Based Testing Workbench is a proven, proprietary solution that includes testing assets, tools and accelerators with a financial services focus. Unlike most testing solutions, our Workbench was created in partnership with Capgemini clients including some of the world’s largest financial institutions to help solve their real-world testing challenges. Our solution is focused on financial services applications such as Guidewire, Calypso, SWIFT and VisionPLUS.”

**Govind Muthukrishnan**

Vice President and Global  
Financial Services Testing Leader



## About Capgemini

With 120,000 people in 40 countries, Capgemini is one of the world’s foremost providers of consulting, technology and outsourcing services. The Group reported 2011 global revenues of EUR 9.7 billion. Together with its clients, Capgemini creates and delivers business and technology solutions that fit their needs and drive the results they want. A deeply multicultural organization, Capgemini has developed its own way of working, the Collaborative Business Experience™, and draws on Rightshore®, its worldwide delivery model.

Learn more about us at  
[www.capgemini.com](http://www.capgemini.com)

For more information,  
contact us at:

[fstesting@capgemini.com](mailto:fstesting@capgemini.com)

or visit:

[www.capgemini.com/fstesting](http://www.capgemini.com/fstesting)