CenterTest
Features and Functionality

Framework Features

	CenterTest
Rapid Implementation, Scalability, & Framework Maintenance[1]	✓
One Test and Tool for UI, API, & Performance[2]	✓
Designated Functions	✓
Multi-Version Support (Retain tests across Guidewire versions) [3]	✓
Cloud Ready "Day One" Testing	✓
Reusable & Extended Scenarios[4]	✓
Sophisticated Parallelism and Thread Monitoring[5]	✓
In-sprint test automation at scale[6]	✓
Object-oriented Data Driven Testing[7]	✓
Time to write simple end-to-end single-Center tests[8]	< 15 minutes
Time to write complex end-to-end multi-Center tests[9]	< 1 hour
BDD (Behavior-Driven Development)[10]	✓
Multi-User, Multi-Session[11]	✓
Self-Managed Execution[12]	✓
Automated Restarts [13]	✓
Automated Clock Adjustments [14]	✓
306 Prebuilt flows for OOTB LOBs [15]	✓
Whole Environment Testing *(not just Guidewire)* [16]	✓

Testing & Reporting Features

Simplified Test Stack[17] Reduced Turnover Risk[18]	CenterTest Java 19 ReportPortal *(or any test manager of your choice)*
Sophisticated End-to-End UI Testing[19]	✓
API Testing[20]	✓
Performance, Stress, and Load Testing[21]	✓
Document Testing[22]	✓
Time Travel Testing[23]	✓
Automated "Best Day" Clock Adjustments [24]	✓
Complex Time Travel Scenarios [25]	✓
Batch Job Processing	✓
Automated Clock-syncing across entire InsuranceSuite [26]	✓
Accessibility Testing[27]	✓
Sophisticated Analytics (all automatic with built-in support)	✓
Runtime Analytics [28]	✓
Coverage Analytics [29]	✓
Trend Analytics [30]	✓

[1] Unlike the GT Framework's limited framework maintenance and support, CenterTest is fully supported by Kimputing for every individual customer, enabling rapid implementation of your data-driven test automation solution. Plus, our framework support and maintenance ensure your tests continue to work across Guidewire version upgrades and cloud version updates, simplifying

maintenance and enabling constant scaling of your tests and automation framework without interruption and time-consuming, costly refactoring.

[2] Any functional, end-to-end test, including UI and API testing, can be used for performance, load and stress testing – eliminating the need for specialized performance testing software or scripts.

[3] With CenterTest, you can create tests in any legacy Guidewire version, such as v7, v8 and v9, then use those same tests in v10 and Cloud releases. Unlike the GT framework, which is Cloud-only, this provides unprecedented time savings and quality assurance for your Cloud upgrade and allow you to begin testing your Cloud upgrade **as soon as your technical upgrade is ready**.

[4] CenterTest's reusable architecture is designed for flexibility and extendibility, allowing easy and intuitive updates to tests with built-in analytics, self-healing, and other advanced features. Unlike the GT Framework, most of the critical CenterTest reusables come with CenterTest OOTB, and are much easier to maintain.

[5] CenterTest does thread monitoring and load balancing to ensure all tests end at about the same time. Parallelism can be used to maximize test throughput while stressing your environment to failure.

[6] CenterTest's source-code generators enable you to immediately start testing your Guidewire implementation by generating and regenerating pages as they are created or modified. Tests self-heal or require only minor changes to accommodate new flows.

[7] OO-based test data enables the execution of complex test conditions from a small subset of test data. Each test/workflow can be fully data-driven, enabling rapid scaling of validation requirements. Learn more about CenterTest's unique and innovative approach to data-driven testing in our DDT Whitepaper located on our website.

[8] With CenterTest, writing simple tests (e.g. designated functions or single-center workflows) takes less than 15 minutes. With CenterTest's sophisticated data-driven test architecture, adding new validation requirements to these existing tests/workflows takes minutes.

[9] CenterTest's sophisticated reusable architecture enables the rapid creation of complex, multi-user/multi-Center E2E tests that include both UI and API testing, simulating real-world user experiences and role-based workflows.

[10] Guidewire's GT Framework requires complex and time-consuming BDD scenario creation and is only realistically feasible once development of your Guidewire implementation is complete. This process is also brittle, difficult to scale and maintain as your workflows evolve, and requires costly, specialized support from Guidewire Consultants. CenterTest's sophisticated architecture enables rapid customization of data-driven, OOTB test flows to match your unique implementation to dramatically speed up BDD implementation. Business teams can quickly and easily provide requirements using the DDT spreadsheets, and receive test *output* in a Gherkin-style, narrative format for easy consumption and documentation.

[11] CenterTest enables sophisticated, realistic E2E testing by tying multiple user connections, defined by roles and permissions in your environment, to their own, unique browser sessions *within a single test* while supporting communication between them.

[12] CenterTest monitors CI/CD suite execution results to rerun failed tests and/or restart specific tests *from their unique point of failure.*

[13] CenterTest enables a single test to have multiple restart points to streamline self-managed execution and automation, and to eliminate false failures. For example, you may identify restart points before API calls, document generation, or time travel events. This allows complex or long-running tests to be restarted, rather than rerun, greatly reducing the time to complete testing.

[14] Eliminate time-consuming intra-team communication and risky manual clock changes while dramatically expanding test coverage for workflows that require time travel by allowing CenterTest to automate clock adjustments across all Centers.

[15] CenterTest includes hundreds of easily adaptable tests covering common and uncommon workflows for all Guidewire InsuranceSuite OOTB LOBs. These workflows are fully data-driven, allowing for easy and rapid scalability to meet all validation needs by simply providing the necessary requirements/data to the test.

[16] Though purpose-built to accelerate Guidewire test automation, CenterTest is a sophisticated solution capable of broad test automation across your entire IT infrastructure, from browser to API to mobile – even legacy systems. If you can touch it with Java, you can test it with CenterTest.

[17] Reduce specialization, Guidewire consultant dependency, and reliance on tools that are not purpose-built for Guidewire with CenterTest's unified framework and engine abstraction layers.

[18] Turnover happens in every organization. Reduce the impact on your team and automation workflows with a unified testing tool that only requires your SDET to understand Java.

[19] Unlike the GT Framework, CenterTest enables true E2E testing by allowing start-to-finish processing across multiple applications, users, and Centers within a single test using multiple sessions within the same test, ensuring comprehensive coverage of the entire workflow.

[20] Execute API tests as stand-alone tests or include them in your E2E testing workflows.

[21] Utilize existing functional tests for performance testing by setting specific performance parameters for the test – such as ramp-up time or thread count. Though possible with CenterTest, there is no need for performance-specific test scripts or additional software.

[22] CenterTest supports the direct opening and parsing of PDF documents for verification, including analysis by line or by section (such as confirming the characteristics of multiple vehicles/drivers). Additionally, CenterTest tracks how long it took the document to generate and enables validation of data both passed-in as part of the DDT process *or generated during the test* (for example, drivers/age/vehicles that may exist separately across the document).

[23] Allows tests to execute to a certain point in time, wait for clock changes, and continue testing to completion of the test.

[24] When multiple tests are being executed with differing data requirements, CenterTest identifies the fewest number of clock changes necessary (best-day[s]) for maximum test coverage and execution. This technology minimizes the number of date changes required, greatly reducing the overall time needed for time travel testing, and dramatically expanding the number of time travel tests you can execute at one time.

[25] For each time travel restart point you can define a specific date, a date range, before/after conditions, or a specific number of days before or after an event (like a renewal or claims filing). This enables "Best Day" calculations and multiple time travel events within a single test or test suite, as well as automated clock changes.

[26] CenterTest can automatically change and synch all the Guidewire clocks across InsuranceSuite to ensure proper environmental coordination and enable expansive automation. Alternatively, it can suspend tests with time travel requirements in "restart mode" and *tell you* the best day to change the clocks to if you wish to manage your clocks manually.

[27] CenterTest supports automated verification of accessibility features at the DOM layer, including ARIA functions, and is capable of portal testing.

[28] CenterTest automatically captures every click, every set, and the time taken for each action, assert, and process.

[29] CenterTest identifies every change between PCF fields and properties between two versions. This helps your QA team ensure that every field is touched during testing to validate that customized changes are being tested.

[30] Monitors executions over time to see slowdowns, environmental issues, etc.