



## Business Challenge

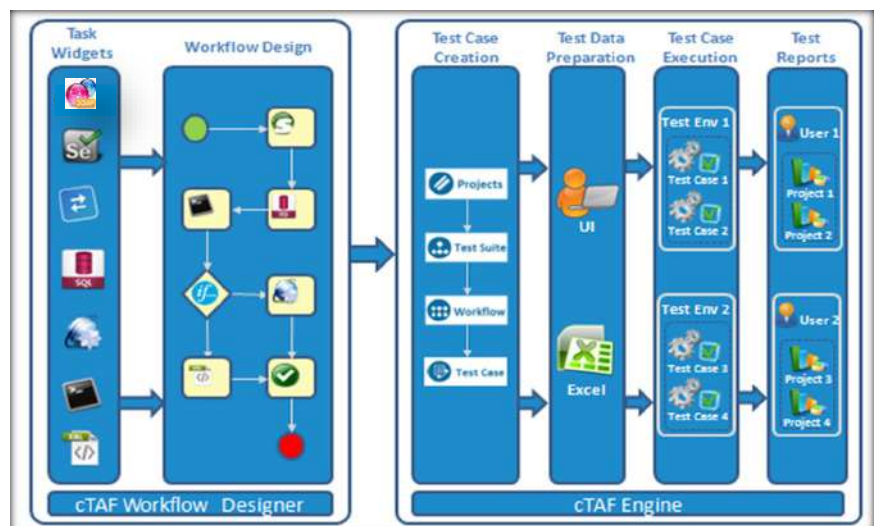
The Enterprise world including “Telecom, BFSI, Retail, Pharma or Energy” has always been challenged to deliver innovative services frequently as customers want real time data at their fingertips. It became utmost important to make Customer Relationship, Billing Services and Order management space agile. This ever changing customer need and demand leads to continuous development cycles which requires more and more regression testing cycles. Therein lies the real challenge of regression and go-live pressure. However the limitation arises when regressions test cycles are not robust and fool proof. Many defects are found post go-live thus burning IT budgets and causing delays in GOLIVE dates.

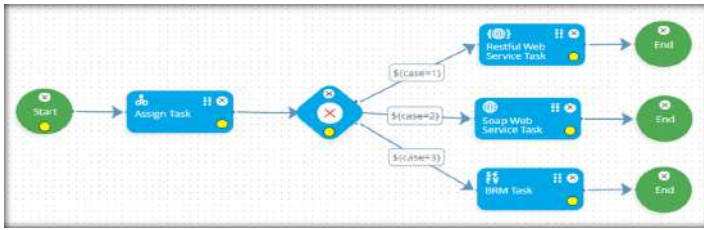
## Solution

A test automation suite for all business functions and end to end (E2E) scenarios is the best solution to this situation, however, creating these from scratch requires a lot of efforts and knowledge of automation technology. An E2E test automation framework, which can help the testers to create these automation test suites intuitively with all the technology complexity hidden, addresses this business challenge and helps immensely.

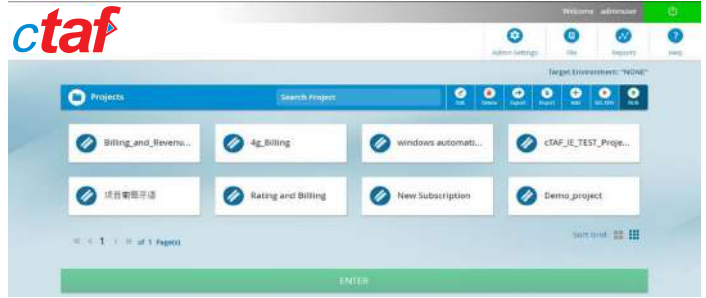
Covalense presents an enterprise level “workflow “ based test automation framework (cTAF) a highly configurable, customizable and technology agnostic revolutionary E2E test automation framework, that can be used to build, execute and maintain the automation test suites for any system .

The open source and SOA based architecture of the tool enables it to integrate with any application-under-test with the help of SOA technology and adapters. The intuitive test workflow user interface allows rapid development of E2E test scenario. The application seamlessly supports integration with other test tools like Selenium, Pinata (BRM unit test automation tool), and JUnit. The reporting dashboard and various pre-built reports for recent or historical test-cycles provide project stakeholders a dashboard for the status for project. The database schema for test execution results along with cTAF report designer provides means of designing new reports.





Integrated workflow designer helps defining test scenarios in flowchart style, using task widgets in an intuitive interface

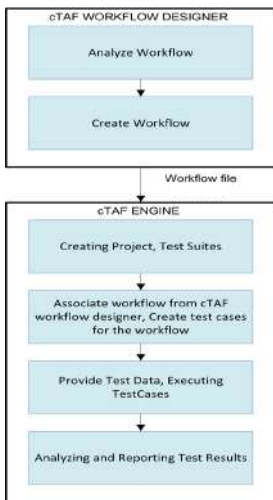


## Features

- A workflow designer to define the test scenarios, using intuitive interface, with predefined task widgets
- Provision to add more task widgets
- Create and configure multiple environments
- Provision for executing the test cases through a click of a button and scheduling at a given time or including as part of nightly build
- Execute Test cases sequentially or in parallel streams in multiple environments resulting in reducing test cycle; and Execute Test cases in multiple environments
- Pattern based architecture, allowing easy extensibility and customizability according to the business need
- Persistence of the important parameters of the test execution cycle and test results
- Centralized configuration & Resource adapters and plugins to connect to external systems
- Parameter driven reports can be generated for test result review and test execution review

### Task Widget is a predefine task with associated properties

- Basic Tasks: Database lookup, Unix command executer, web-service invoker, Message listener, command task, Assign Task etc.
- Custom Tasks: SOAP Web Service, REST Web Service, XSLT Task, and Windows Automation, SFTP Task
- Product/Domain specific pre-built set of tasks widget, E.g. BRM Invoke Opcode, Create BRM Account, Process Usage, Run-billing, Invoicing, along with Order Management, CRM Tools etc.



**cTAF 2.0 is now available on Docker for self exploration**

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## About Covalense

Covalense is an IT services and solutions company with implementations across 12 geographies through our development centers in India, New Zealand and United States. Our activities comprise of business application development; design and implementation of enterprise integrated solutions and support of well-known international IT products. We also provide full-spectrum Business Application, IT services, Mobility and Cloud services to corporations globally.

Covalense specializes in Oracle Communications stack, providing solutions for convergent charging, Order management, service provisioning and activation. Covalense has consolidated experience of 1000+ person years in implementing OSS/BSS solutions for various customers across geographies. Team Covalense carry extensive experience in architecture-design and implementation in the Communication Services domain. Covalense has been ranked among the top Six Global BSS-OSS Software Vendors by Technavio Research. Covalense is an Oracle Gold Partner.

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## Covalense

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