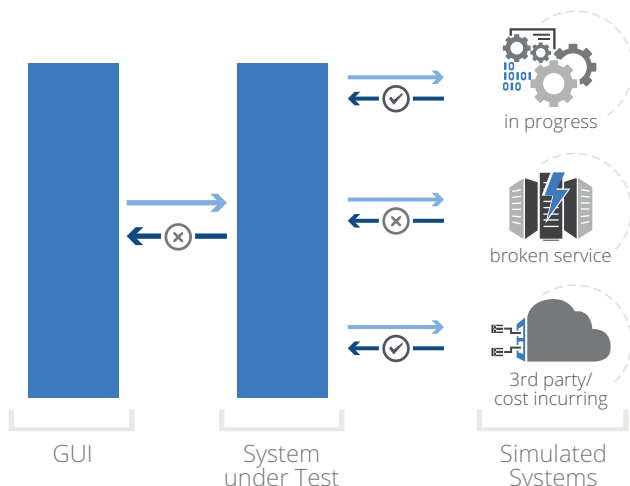# TRICENTIS

Orchestrated Service Virtualization

Overview

On average, enterprise systems comprise of approximately 40 internal or external systems. During the application development phase, it is likely that a certain percentage of the systems are either unavailable or has yet to be fully developed. Testing the enterprise systems often means spending a significant amount of time and effort using test labs to manually build test stubs that mimic actions and the behavior of missing services.

Tosca Testsuite's Orchestrated Service Virtualization (OSV) allows enterprises to simulate the behavior of any service needed in your application. It also allows enterprises to create business scenarios that are able to simulate complex business processes even before the completion of your application. OSV offers the independence necessary to avoid costly delays and enables earlier testing within the product cycle.

in progress

broken service

3rd party/
cost incurring

GUI | System under Test | Simulated Systems

Key Benefits

E2E Enterprise Testing

OSV's strong integration with Tosca allows extensive automated end-to-end testing capabilities. As a result, enterprises are able to run large scale testing projects that are either incomplete or require third party services, while taking advantage of all the testing tools Tosca offers, such as: risk coverage optimization, test data management as well as our unique model-based test automation approach.

Reduce Costs

OSV allows you to reduce costs by creating Test Stubs through a simplified stub generation. This enables users to mimic actions and behavior of cost incurring services, generally provided by a third party. By doing so, users are able to forego the additional expenses of creating a copy of the live system within a Test lab.

Avoid Delays

Enterprises are able to avoid costly delays caused by unfinished components. OSV is dynamic and built from the interface definition of a system, allowing customers to test all components of an application - even before it has been fully completed. This helps to advance the testing phase earlier on within the product cycle and to enable more frequent testing to better cover business risks.
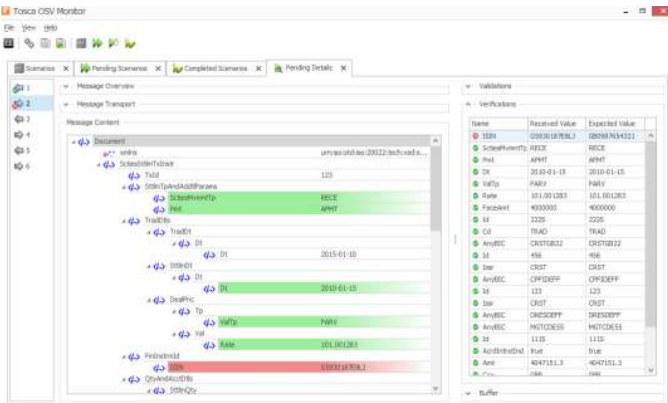
Key Features

Simulation of Real System Environments

Tosca Testsuite's Orchestrated Service Virtualization simulates the behavior of remote services needed to complete your application. While remote services communicate with your application, OSV records these messages and uses them as a basis for simulation during testing. Object-oriented modelling of messages eliminates the maintenance trap of conventional approaches.
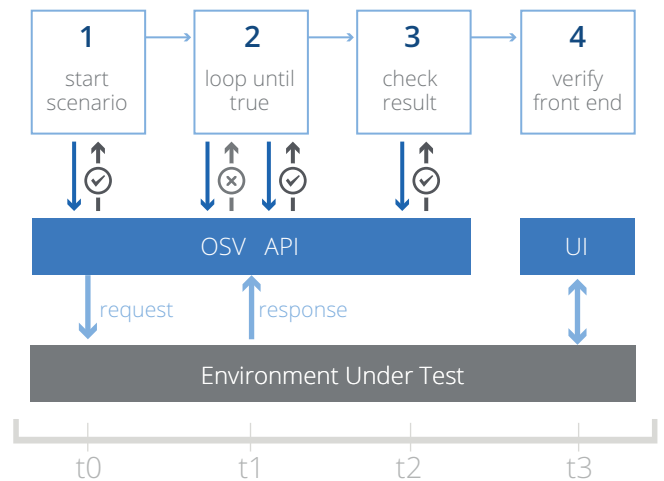
Effortless Verification & Analysis

Complex business processes often have thousands, if not millions of messages which communicate together to help an application run. Manually checking these messages would take forever. OSV is able to upload these messages to Tosca in bulk, where faulty messages or messages out of their pre-defined order are automatically detected and reported in full detail.

Tosca Integration

A tight integration with Tosca means being able to connect the missing link between front-end and back-end. Creating instances using Tosca's Test Data Management, allows enterprises to run E2E testing with re-usable user stories. If new data is available, Tosca can easily update all instances with only a click of a button. Easy maintenance without the need for technical knowledge.

About Tricentis

Tricentis provides the leading enterprise software testing solutions for Global 2000 companies to accelerate business innovation. Our unique approach enables organizations to achieve unprecedented automation rates while minimizing business-related risks. Tricentis has offices in the United States, Europe, Australia, and Singapore.

Our more than 400 customers include Allianz, BMW, Deutsche Bank, HBO, Orange, Siemens, Swiss Re, and UBS. Tricentis has the industry's highest customer renewal rate, at more than 98 percent, and our industry awards include Best in Test 2013. Gartner recognized Tricentis as Visionary in the 2014 Magic Quadrant for Integrated Software Quality Suites.

TRICENTIS

Optimize. Manage. Automate.