Test Automation using Tricentis Tosca

Test automation to lower costs, increase speed, improve quality and accelerate digital transformation.

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In this age of digital disruption, the way we develop software is changing. So too is the way we test software – to stay ahead of changes in the industry it's important for software developers to apply smart technology to address the challenges of tomorrow.

Tricentis Tosca

TTC's experienced testing team has proven capability in delivering high-quality automation outcomes. We recommend Tricentis Tosca as a tool to reduce test design and introduce continuous integration across applications and service.

Tosca is a continuous testing platform that accelerates testing to keep pace with Agile and DevOps. It breaks through the barriers experienced with conventional software testing and is proven to facilitate the ability to shift left, improve speed to market, reduce cost and elevate quality to a new level.

Tosca is designed to embrace and extend your existing tests while enabling continuous testing within your CI/CD process.

Simplifying end-to-end functional testing, Tosca automates tests across all layers of modern enterprise architectures, from API to web, mobile and custom/packaged app UIs to BI and data warehouses.

A full suite of capability with Tricentis Tosca

TOSCA has a number of key automation advantages:

- End-to-end testing from a single interface to centralize your functional testing across different application layers and tools
- Optimize reuse between testing projects, reducing test cycle times and increasing the coverage and quality of the testing undertaken
- Enables sustainable test automation through easy updates to accommodate changes in business process
- Reduce regression testing from weeks to minutes
- Maximize reuse and maintainability with model-based test automation
- Gain clear insights into the risk of your release cycles
- Achieve sustainable automation with proven market-leading technology

Tosca also has manual testing advantages:

- Maintain all test cases – manual, hybrid and automation in one single repository
- Easy to transform regression suites to fully-automated suites

AUTOMATE		EXPLORE	MANAGE	OPTIMIZE	REPORT
API	Load Testing	Exploratory Testing	Test Management	Risk-Based Testing	Analytics
Cross Browser	Mobile	BI & Big Data	Manual Testing	Test Data Management	Risk Analysis
Model-based Test Automation 30+ Technologies Packaged Apps		SAP	Integrations	Service Visualization	Dashboards
		HP UFT Selenium	Robotics	Impact Analysis	

01

Automate

API Testing

BI/DWH Testing

Cross-Browser Testing

Mobile Testing

Packaged App Testing

SAP Testing

HPE Testing

Selenium Testing

SoapUI Testing

Worksoft Testing

Robotic Process Automation

Load Testing

02

Integrate

Test Management

DevOps/ALM Integrations

03

Execute

Automated Functional Testing

Model-Based Test Automation

Exploratory Testing

Manual Testing

04

Report

Analytics

Risk Analysis

Dashboards

05

Optimize

Risk-Based Testing

Service Virtualization

Test Data Management

Impact Analysis

06

Solutions

Continuous Testing

DevOps Testing

Agile Testing

API automation

Tosca allows any tester to rapidly create API tests from a business-readable interface and integrate them into end-to-end scenarios with no scripting required. Whether you are trying to mimic an internal service or external trading partner, this can be completed seamlessly within the tool.

SAP automation

Tosca enables a new approach to SAP business process testing and is the most advanced in the market. You can effortlessly detect impacts to your core end-to-end business transactions across and beyond SAP (APIs, web, UIs, Java, mobile interfaces, big data and more).

Model-based automation testing

Our customers achieve test automation rates greater than 90% using model-based automation. Tosca helps you define your test cases by first scanning the application. The automation model contains the automatic logic, which is decoupled from the test logic specified as a test case. Once the required models are defined, they can be used to execute both manual and automated tests. The beauty of Tosca is that it enables non-technical testers to automate test cases with ease, eliminating maintenance challenges of traditional approaches.

Mobile testing

Tosca Mobile + is used to test mobile apps, cross-OS and cross-device. This tool is unique as it combines this capability with the end-to-end model-based approach that enables risk coverage greater than 90%.

Other features

- Tricentis Tosca - Eliminates data integrity issues and applies automation.

- Robotic Process Automation – Applying automation across routine tasks and operations that previously would be manually tested. This enables testers to focus on high-risk areas of their applications and services.

- Exploratory Testing Assistant – Helps learn a product, designing and executing tests and interpreting test results automatically. Designed to help harness the power of exploratory testing, providing intuitive solutions for recording test actions and automatically documenting test results (which supports user guides and business subject matter experts to be guided when testing).

Beyond test automation

To provide real-time insight into risk with business-focused, actionable results, Tosca also enables continuous testing. This includes:

- Helping the entire team collaborate to quickly expose critical defects
- Integrating testing directly into CI/CD pipelines and "best of breed" DevOps ecosystems
- Ensuring that appropriate test data is always available to the automated tests
- Simulating the behaviour of dependent systems unavailable during test execution

Talk to TTC

TTC is a leading global Tricentis Certified Implementation Partner.

TRICENTIS

Certified Implementation Partner	APAC Best Services Partner 2016, 2017 & 2018	Best Global Implementation 2017	Americas Best Services Partner 2018

Let's talk

For more information about Tricentis Tosca and how we can support your organization in its delivery, speak to a member of our team today.

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