An Open Source Testing Ecosystem
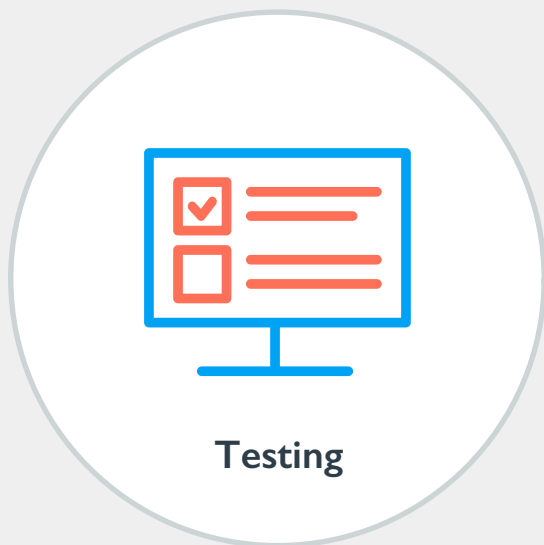
TestOnNeed

www.testonneed.com

Solution specification
Version 1.0

Product Planning

Feasibility

Concept

Design

Product Introduction

Development

Launch

Product Launch

Monitoring

Maintenance

Recovery

Figure 1: Product Development Life Cycle

Testing

The Importance of Testing

"The world is changing very fast. Big will not beat small anymore. It will be the fast beating the slow" – by Rupert Murdoch 21st Century Fox. Are you the fastest to bring your product, solution, and service to the market ahead of the competition? How to connect the moving parts of fast delivery with high quality and less cost? The answer is invariably optimizing testing processes and resources. It is the most important thing as an organization you must do.

Why considering testing is of paramount importance? The perception of the most is that testing comes at the end, but it is not true. If you sincerely analyze the Product Development Life Cycle (PDLC), testing is performed at every phase before proceeding to next step.
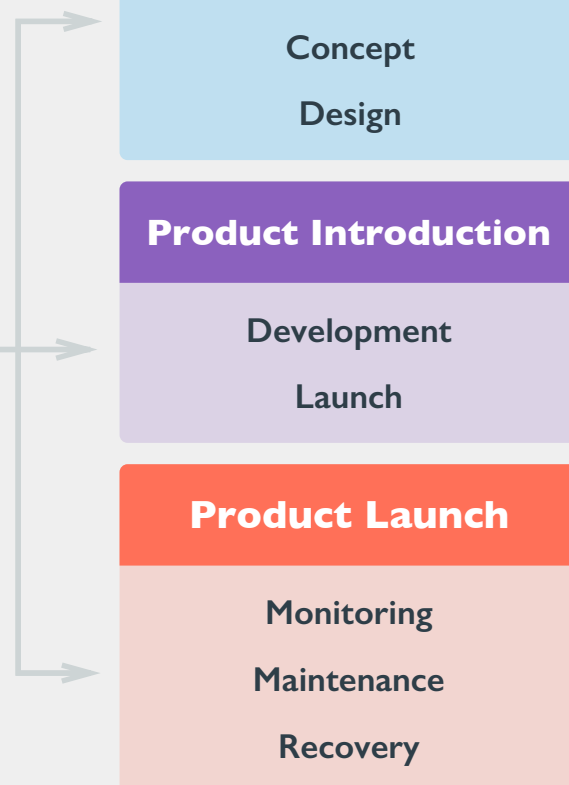
Expert advice that problems found later in the PDLC will cost unfavorable for the organization than found earlier and corrected.

The Winning Formula

It is a fact that optimizing testing processes and resources is the way to success. However, to make it happen as an organization, you must have easy access to test resources and test experts when you need it. And importantly, must adopt four critical transformations as a winning formula. They are:

Figure 2: Industry Transformation

Open source

2.1: Open Source to reduce cost without compromise on quality. The truth is today every organization adopts open sources in their solutions. It has expanded not only as a low-cost solution but also as a solution to perform complex and high-performance tasks.

DevOps

2.2: Automation to reduce manual efforts of managing labs and running tests without human assistance.

Analytics

Automation

A.I.

2.4: DevOps to continuously develop, test and integrate throughout PDLC workflow to improve overall efficiency

2.3 Analytics and **Artificial Intelligence** to visualize, improve, predict and take corrective actions of your product performance

Introducing TestOnNeed

TestOnNeed is created for organizations seeking winning formula to bring their products, solutions, and services to the market fast to beat the slow. TestOnNeed is formed with a belief of three core values to lead and help Entrepreneurs and organizations such as Startups and Enterprises. They are:

TestOnNeed – An Online 'On Need' Testing Platform

A belief, to get easy access to the platform that provides expert advice, test tools, and highly skilled test resources.

A platform, **https://testonneed.com/**, to register and execute both tactical short-term and strategic long-term projects '**On Need**.' A platform that is flexible enough to offer test solution for all testing needs whether it is an hour, a day, a month, a year or multiple years. As a result, the organization saves cost and time not having to find and employ full-time resources for immediate project needs.
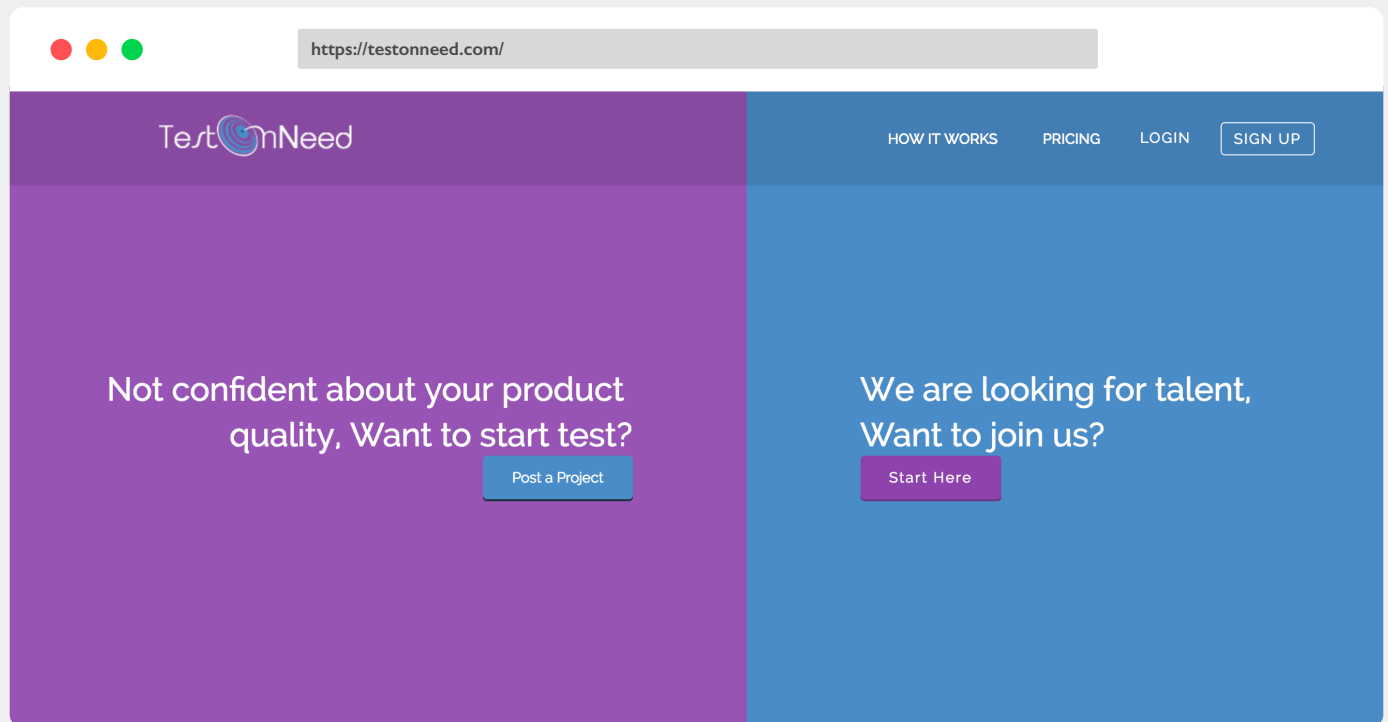

Figure 3: TestOnNeed Online Testing Platform

TestOnNeed – An Open Source Testing Ecosystem

A belief, to provide an easy to use and a completely open source test solution by bridging multiple open source testing tools and community.

We provide future-proof test solution that enables to design, execute, manage, automate, and visualize results. Our test solution reduces investment on permanent and expensive subscription-based commercial tools that are more likely not used in most of the cases after project completion. We proudly name it as '**An Open Source Testing Ecosystem**' built on an open source architecture.
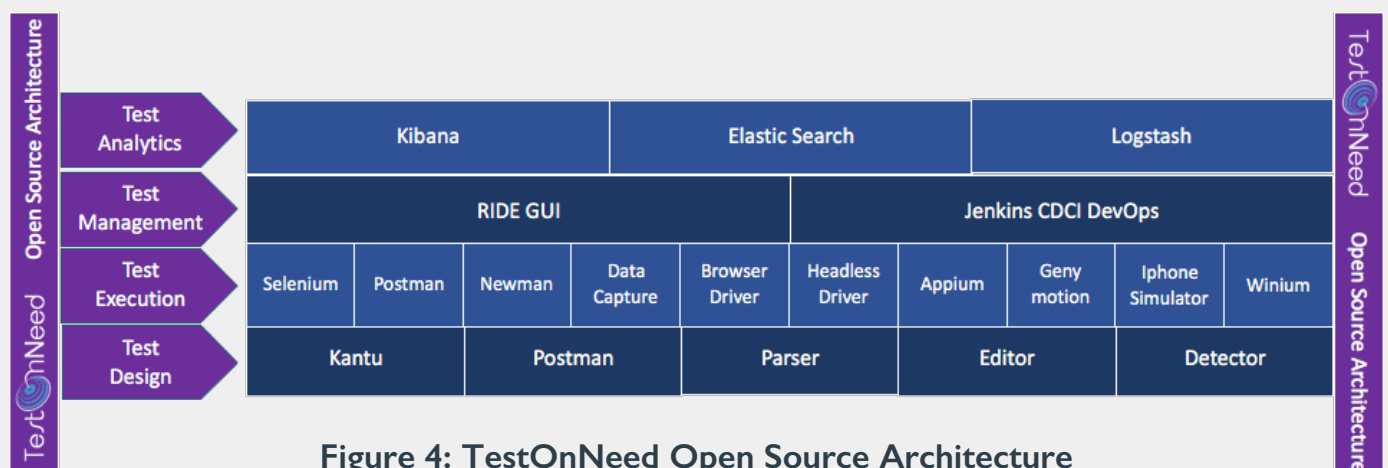

Figure 4: TestOnNeed Open Source Architecture

The TestOnNeed open source architecture today supports testing all application products that run on the browser, controlled and managed through command line interface and Application Programmable Interface (API) such as RESTful API, that runs on mobile platforms such as iOS and Android, and desktop platforms such as Windows. We call it as testing EveryWeb, EveryAPI, EveryMobile, and EveryDesktop as depicted in 'Figure 5'. The intent is to expand the open source architecture scope to other testing areas soon. Stay tuned!
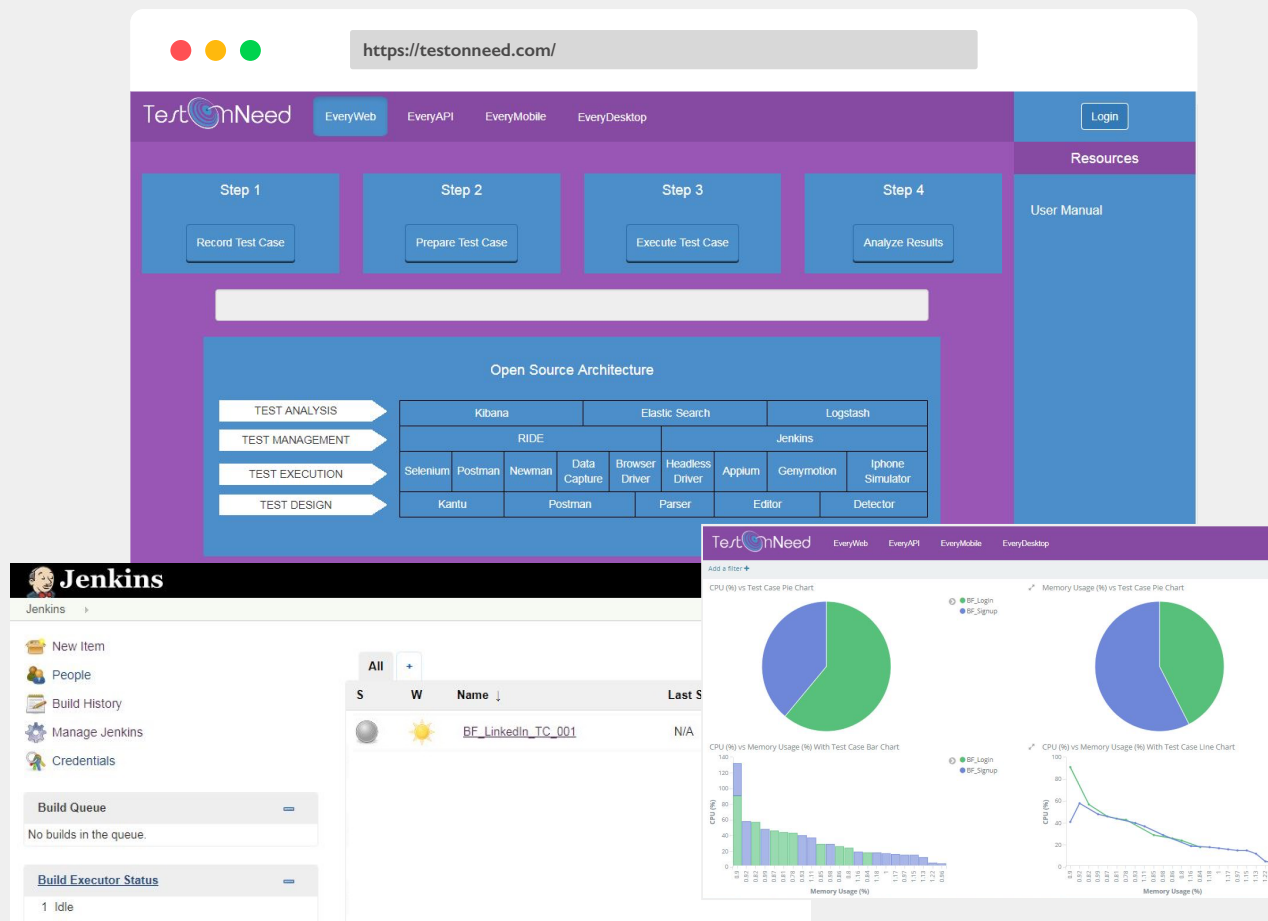

Figure 5: TestOnNeed Application Product Test Solution

TestOnNeed – A DevOps and TestOps Enabler

A belief, to prepare an organization in the world of continuously changing technology by enabling end to end DevOps and TestOps practice.

The digital transformations led by continuous delivery, DevOps, and agile practices have genuine business benefits. As an example, the research numbers from various sources indicate 74% improvement in customer experience, 33% increase in speed to market, 40% increase in customer satisfaction, 37% increase in new business revenue and more.

TestOnNeed offers the solution to organizations for a successful implementation of the end to end **DevOps** practice throughout PDLC as depicted in 'Figure 6' working closely with their teams to ensure the value of being fast is experienced.

Let it be deploying your application on the cloud, monitoring your product performance, scaling your application, implementing continuous development and continuous integration (CDCI) pipeline and others, and we provide managed solution and services for all.

Figure 6: TestOnNeed DevOps and TestOps Enabler

Recall testing is of paramount importance throughout PDLC to be fast from earlier explanation. In fact, for many organizations testing processes and resources are turning out to be one of the number one bottleneck impeding the move to continuous development, integration, and delivery. TestOnNeed managed solution and services enable organizations to make sure tests, procedures and processes around testing and quality are designed to fit in line with DevOps value. That is, we introduce **TestOps** in DevOps and transform 'Tester' to 'Quality Enabler.'

Key Takeaway

When looking at how to be fast to beat slow, the main reason is invariably optimizing testing processes and resources. The organizational successes are characterized by excellence in adopting fundamental transformations, have access to the platform that provides expert advice, test tools, and highly skilled test resources, and embracing DevOps and TestOps practice.

TestOnNeed delivers such solutions for organizations to achieve stellar performance. Registering your project requirement at **https://testonneed.com/** may be your business future.

Additional Resources
Want to know more?

Articles and Blogs
https://testonneed.com/category/articles_blogs/

LinkedIn Company
https://www.linkedin.com/company/16155460/

LinkedIn Group
https://www.linkedin.com/groups/12040368/profile

Twitter
https://twitter.com/TestOnNeed

YouTube Videos
https://www.youtube.com/channel/UCA_KkaoUpU_r9QgsnSjlPZw/

GitHub
https://github.com/W5RTC/TestOnNeed_TechSupport

Sales and Support email ID
sales@testonneed.com