SYNTEL
›Consider IT Done ®

Secure Automated Solutions for Mobile Application Testing

Mobile application development has been growing in demand. It is challenging to make these applications compatible with various devices with different operating systems, and user interface. A bigger challenge to developing high quality mobile application is to create a secure mobile testing strategy.

Multiplicity of mobile platforms and mobile devices often restrict the acceptance of a mobile application. Mobile application testing has to be compliant for security risks at enterprise levels. Identifying the right set of tools and a framework with devise based access restrictions is imperative to effective mobile application testing.
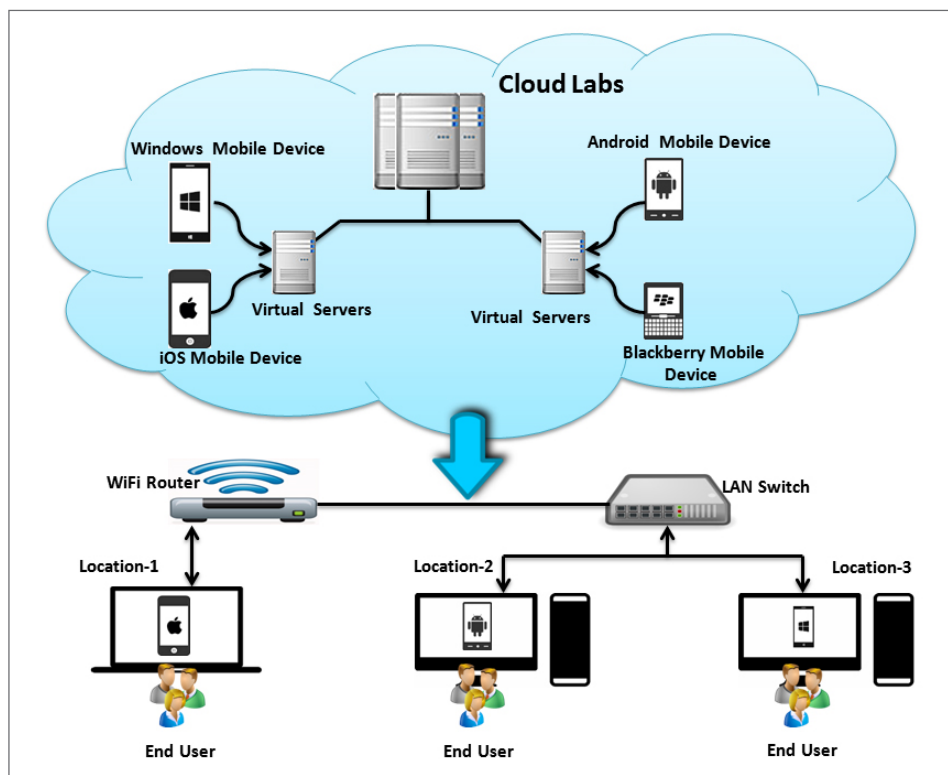
Syntel's Solution

Syntel's **"Mobility Testing Lab"** is a private cloud based secured testing environment. Syntel leverages the Mobile Application Testing Services - Automation Framework (MATS-AF) to build mobile test automations suits. MATS-AF is compatible with all platforms, devices, and ensures reduction in testing costs. Powered by HP's Quick Test Professional, Syntel's Mobility Testing services offer functional testing at application & DB level. Some of the features of Syntel's Mobile application Testing services include:

- ▪ Platform compatibility & Inter-operability Testing
- ▪ GUI testing for user operational ease
- ▪ Usability testing
- ▪ Internationalization & Localization testing
- ▪ Data Quality testing
- ▪ Cross Browser testing
- ▪ Testing Automation

Unique **'Lab as a Service' (LaaS)** ensures availability of real devises for each platform. LaaS engagement model helps maintain highly secure data at a private cloud set-up. It also enables testing of mobile applications in real environment from anywhere in the world. Laas engagement also allows easy access to test against various devices, platforms and connectivity mode (WiFi, 2G, 3G)

KEY DIFFERENTIATORS

- ▪ Ready to use real devices for each platform

- ▪ Test Mobile apps in real world environment from anywhere in the world

- ▪ Script-less hybrid Automation framework

- ▪ Automated Test case creation at a single click

- ▪ Single automation script for iOS, Android, Windows, and BB (device / tablet) mobile web applications

- ▪ Enables users to perform E2E functional testing for mobile web, native, and hybrid applications

- ▪ Works both on device and emulator/simulator

WHY SYNTEL?

- **Cost savings, increase in efficiency, TAT reduction**

- Robust, Scalable and hybrid automation **framework MATS-AF (M**obile **A**pplication **T**esting **S**ervices - **A**utomation **F**ramework)

- Good mix of native and cross-trained platform support resources – service oriented solutions

- A leading global IT and KPO service provider

- Established in 1980 (NASDAQ: SYNT)

- More than 24 offices in North America, Europe, and Asia
- Flexible onsite-offshore global delivery model

- **'Mobility Testing Lab'** which is a private cloud based secured environment. **Lab-a- a-Service** (LaaS) engagement model with access to private lab for usage

Business Benefits

Syntel's end-to-end **Mobile Application Testing** services address the challenges faced by the industry. It offers best practices in mobile applications with adaptable test methodologies, and with an organized approach for both manual and automation testing. Syntel's Mobile Application Testing services are ideal for organizations as they have comparatively very low implementation cost, besides automation tools and platform agnostics that are customizable to fit in the existing customers testing methodology. Business benefits gained using Syntel's Mobile Application Testing services include:

- Testing using the real devices improved defect unearthing efficiency close to 90%
- Sharing the devices from mobile app testing lab reduced the cost of testing to greater extent.
- Well set up Mobile testing lab which has the devices to cover the 80 % of the smart phone and tablet platform which are mostly used by consumer in the market.
- Seamless integration with QC for easy test management
- Ready to use mobile testing lab and devices for multiple platform and OS version
- Robust Hybrid Script less framework designed to run test scripts on the devices, to reduce the testing cost and effort to 20-30%
- Private cloud mobile testing lab for Remote access of devices from different geographical location
- Ready to deploy trained mobile testing resources.

Delivering excellence with Syntel's Mobile Application Testing Services

Banking and Financial: A leading credit card and financial services organization in USA wanted to test their mobile application for online credit card application. Absence of real devices and reliance on manual testing was challenging. Syntel deployed a team of skilled resources to test the application on iOS and Android platforms. The use of real devices improved defect unearthing to gain 90% efficiency. Sharing of the devices also reduced the cost of testing significantly

Financial services: A financial service regulator in USA was looking to test a new application of SalesForce CRM Hybrid application on iOS platform. Manual testing of the application was error prone and cost ineffective. Syntel's automation framework for mobile application testing executed the task from Syntel Mobile app testing lab in India. This helped the client save on application testing. Automated testing detected over 90% of the total defects in the application.

Insurance: America's second largest personal insurer wanted to test its insurance mobile website on various platforms and on real devices. Syntel leveraged its existing capabilities and used **Mobile Application Testing Services Automated Framework (MATS-AF)** to give the client significant savings with mobile application testing.

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For more information, visit Syntel online at **www.syntelinc.com** or call us at **US/+1 (248) 619-3503, UK/+44 (0) 207-636-3587**