In today’s world, smart devices are being launched at an unprecedented rate. In addition, operating systems are also being upgraded on a regular basis. Therefore, deploying, sustaining and enhancing mobile applications have become both time-consuming and expensive for enterprises. To resolve this, Aricent offers a unique cloud-based remote testing platform, which facilitates testing any mobile application on multiple mobile operating systems and devices remotely. This platform operates across mobile operating systems — including iOS, Android and Windows Phone — devices and form factors. It also helps clients streamline their testing processes, reduce CAPEX and ensure compatibility with various device types and platforms.

**Introduction**

With almost seven billion mobile subscriptions worldwide (as estimated by the International Telecommunication Union), investing in and developing mobile applications has become essential for enterprises. However, it is challenging for these enterprises to manage and maintain an inventory of devices required for testing these mobile applications. To address this problem, Aricent offers a cloud-based remote testing platform for testing mobile applications across various physical device types, mobile operating systems (iOS, Android and Windows Phone) and form factors.

Our clients can enjoy the flexibility of remotely connecting to this platform anytime. It also allows configuring and controlling devices remotely to test scenarios that may require hard keys, soft keys or screen interaction on the device. The platform can be used to run both manual and automated test scenarios. It is intuitive, easy to use and can help our clients reduce CAPEX.

**Key Features**

**Remote Control**

The platform is accessible remotely through a web interface and provides options to test scenarios that require:

- Tap or Swipe: Allows testing of scenarios that require tap or swipe
- Hard Keys: Supports testing of scenarios that require access to hard keys like home, power or back buttons
- OTA Install: Allows installation of applications remotely to mobile devices
- App Clean-up: Supports cleanup of any application-related files
- File Management: Allows access to the device’s file system

**Testing**

The platform supports testing of applications across iOS, Android and Windows Phone OS and supports:

- Device Statistics and Logs: Provides access to device statistics and logs for testing various scenarios
- Screenshots: Allows taking screenshots of the application under test
- Video Recording: Tests video recording
- Audio Streaming: Tests audio streaming
- Call/SMS: Supports testing of call or SMS scenarios
- Automation: Allows automation of scenarios using test scripts

**Device Inventory**

The platform has significant device inventory that is updated as and when new devices are introduced to the market.

**Low Cost**

The platform is an affordable option to test mobile applications.
Quality Assurance Services

Aricent also offers quality assurance services to enable clients to leverage the remote testing platform to test their mobile applications across devices and platforms. Our quality assurance services include:

**Functional Testing**
Creating and executing test strategy, plan and cases as per business requirements

**Usability Testing**
Measuring user experience using the HEART (Happiness, Engagement, Adoption, Retention and Task success) framework

**Interrupt Testing**
Testing incoming/outgoing call/text, media on/off, network/WiFi/BT variations

**Compatibility Testing**
Testing devices, OS versions, browser variations, network type compatibility and interoperability

**Performance Testing**
Testing scenarios for memory/CPU usage, battery usage, load/stress testing

**Security Testing**
Testing cases for data protection and authorization

**Certification Testing**
Pre-certification compliance testing

Benefits of Remote Testing Platform

<table>
<thead>
<tr>
<th>Reduced CAPEX</th>
<th>Faster time to market</th>
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<tbody>
<tr>
<td>High availability</td>
<td>Low latency</td>
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<tr>
<td>Dedicated connection</td>
<td>Dedicated devices</td>
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</tbody>
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Why Aricent?

- Leader in the mobility domain
- Demonstrated application development, testing, porting and integration expertise on all major mobile operating systems — iOS, Android and Windows Phone
- Strong alliances with leading mobility ecosystem players, including silicon vendors, device manufacturers and mobile platform providers

Learn More

To know more about Remote Testing Platform, please email us at: info@aricent.com
About Aricent

Aricent is a global design and engineering company innovating in the digital era. With more than 12,000 design and engineering talent and over 25 years of experience, we help the world's leading companies solve their most important business and technology innovation challenges.

Contact

If you wish to schedule a call / meeting with an Aricent expert, please email us at marketing@aricent.com