Ten Reasons to Choose UFT Digital Lab for High-Quality Enterprise-Grade Mobile Apps

UFT Digital Lab provides a centralized, enterprise-level, end-to-end lab and management gateway of distributed real mobile devices and emulators that enables teams to develop, debug, and monitor omnichannel mobile applications, enhancing user experiences across all digital touchpoints.

1. **Enterprise-grade lab and management gateway.** OpenText™ UFT Digital Lab is a centralized mobile device lab and management gateway that provides Line of Business and geographically distributed teams with remote access to mobile devices. Testers across the organization can reserve devices to ensure availability, and devices can be hosted in the cloud, deployed locally, offered as a service, or supported through software emulation.

2. **Remote development, debugging, and testing directly in preferred IDEs.** Developers and testers can directly access the mobile devices lab from within their preferred Integrated Development Environment (IDE). Developers can quickly and efficiently execute and debug their code or review a defect fix on a wide range of emulated and physical devices, hosted on-premises or in the cloud, directly from their IDEs. This eliminates the need to connect physical devices to their workstation, or to use additional tools.

3. **Comprehensive app and browser testing and monitoring.** Run manual and automated functional testing, performance testing, security testing, and interactive testing directly from a web browser.

4. **Scalable deployment and configuration models.** Hybrid architecture and connectors; access to device emulators or physical mobile devices (Android and iOS) hosted locally or as-a-Service.

5. **Embedded service virtualization.** UFT Digital Lab's support for sensors and enhanced interfaces include photo and video simulation; fingerprint simulation; capturing audio output; phone call and text interruption; GPS injection; and, gestures. Audio streaming for iOS is supported, which allows audio to be heard from the remote device on your workstation.

Maintain the performance of business-critical applications across multiple mobile devices and operating systems with UFT Digital Lab:

- Control devices remotely and simulate events such as GPS location, network speed, fingerprint authentication, and other common events.

- Remote development, debugging, and testing with preferred IDE/tool and services, sensors, interfaces, and network virtualization.

- Integrations with open source automated testing tools such as Appium and Selenium.

- Run manual, automated, performance, and security mobile app tests on real mobile devices or emulators for native, hybrid, and web.

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6. **Exploratory testing.** Test your mobile app manually, and capture actions performed on the device, along with screenshots, device logs, and test details that can be used for defect reporting and test case creation.

7. **Open source integrations.** Open source test automation teams using Appium and Selenium can work with more flexibility and efficiency, conserving time with improved access to devices, reduced maintenance requirements, and lower technical barriers.

8. **Production monitoring.** Continually improve and optimize by analyzing the availability and performance of mobile apps via production monitoring. Execute automated tests to identify any errors, defects, or gaps. Compare the expected results of the AUT with UFT One; emulate the behavior of real mobile users via VuGen; and measure app performance and availability on end-user physical mobile devices with BPM.

9. **Integration with CI servers.** Enable mobile testing as part of the build process by integrating with CI servers such as Jenkins for shortened feedback cycles in Continuous Integration, Continuous Testing, and DevOps practices.

10. **Device health monitoring.** Continuously monitor key health metrics, such as WiFi connectivity, battery, temperature, thermal state, disk space, and screen brightness, of each connected device.

Learn more about UFT Digital Lab [here](#).

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