

Sky automation testing of Android content

Sky

UK's multi-channel content provider uses SeeTest for Android application testing

Sky has launched various applications on the Android platform providing a variety of content from sports to news and financial information. To automate the testing of its Android applications, Sky has selected SeeTest of Experitest and runs every night thousands of test cycles to ensure proper content display and new release of application versions.



The Challenge

Sky has a various applications and content that had to be launched and constantly tested on Android devices in the market. Specifically:

- ✓ Many applications
- ✓ Support for all types of content display including video download/streaming
- ✓ Support for all available Android devices including tablets
- ✓ Need to test on non-rooted devices (to ensure full compatibility with actual user experience)
- ✓ Existing test environments (for non-mobile) of QTP and Java

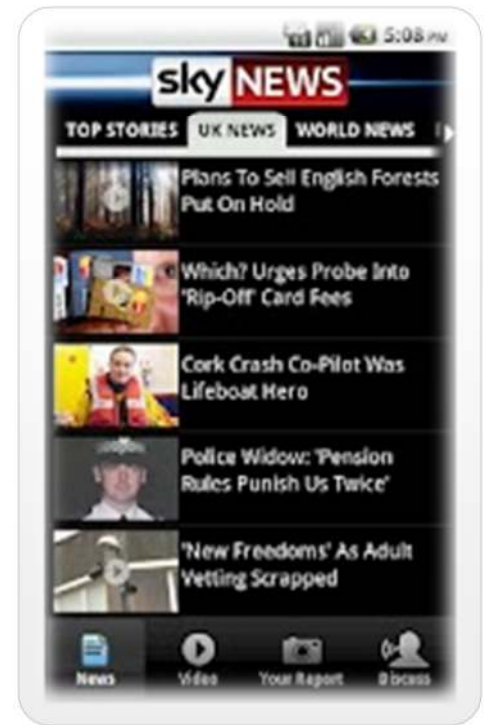
The SeeTest Solution

Sky implemented SeeTest solution across its Android applications:

- ✓ Same script runs on many Android devices
- ✓ Ongoing automation testing for content display testing such as SkyNews
- ✓ Quick release of new Android application versions due to overnight automation testing
- ✓ End-to-end automation including application download, native and web content
- ✓ Used SeeTest plugin for QTP and Java

Sky content must display flawlessly on any Android

Sky has a rich variety of content including text, images, videos and more. The Android application that Sky launched to market including channels like Sky+, Sky Sports News and Sky Sports Live football and Sky News pose a significant challenge as the content may be viewed in any android device in the market, with different screen resolutions, screen size and other device performance capabilities. As such, Sky requires a test automation tool that can test any content on any device. After evaluating several device available in the market, Sky decided to work with SeeTest as it provided total coverage enabling test automation of any content on any Android device including legacy and new software versions, phones and tablets.



The android Sky applications required full application life-cycle testing: from download to actual usage

One of Sky's main requirements from its desired mobile automation tool was support for the full path of the actual user experience. SeeTest's capability to test the application from its initial download to the device, throughout the actual usage – inc navigation, web browsing, native application menus and control of phone settings for testing the device in different phone conditions.

Untampered device testing for reliable test results

The target of the automation project in Sky is the make sure the actual end-users are happy with the application and content. That's why it was critical for Sky to know that they are testing with the same devices as their end-users will be using. SeeTest's ability to run tests on devices that were not modified in any aspect and are not rooted were a significant reason for choosing Experitest.

Any move the user can do is tested. No exceptions

Smartphones have many gestures and Android phones are no exception. Sky wanted to make sure that any action the end-user may do is supported and function properly. SeeTest's capability for multi-touch, swipe, zoom-in, zoom-out and landscape mode made this possible.



About Experitest

Experitest Ltd – a HP Software Gold Business Partner - is the developer of SeeTest™ – a automation tool for mobile including iOS (iPhone, iPad), Android, Blackberry, WindowsMobile and Symbian. SeeTest plugs into all existing test frameworks such as QTP, TestComplete, Rational RFT, MSTest, JUnit, Perl and Python. The company has a wide range of fortune 500 companies including BSKyB, Texas Instruments, Cisco, Marvell, Orange, NYSE, Qualcomm, Clicksoftware, 888, McAfee, McAfee and more.

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