Games Identified

Farm saga and 2048

Tools identification

ARO

Additional Tools – Wakelock Detector, Elixir, Norton Mobile Utilities, Android Status, Juice Plotter, Traffic Monitor, Diagnosis.

Test Subjects

ARO needs rooted phone for remote data collection. ARO also supports data collection on a phone without rooting via the USB debugging mode. So we are using the USB debugging mode for project. Hence test subjects will not be required for specifically collecting data. Moreover the resource consumption of the smartphone is not dependent upon expertise of player.

Data collection time for each test – > 5 mins

Test Cases Identified

Refer notepad.

Tests Completed so far

Screen on – No internet for both games

Screen of – with Wifi for both games

Screen of – with 3G for both games

Test Results

Issues

ARO installation – Installed along with all the support tools – 3 tools include names.

However there is an error after every test. – Screenshot.

Test traces storage problem – Not able to figure out how to store complete trace.

PCAP file analysis giving error

ADB and drivers issue – For every test device the issue occurs.

Game data isolation. – Even after all the applications are closed, there are many other applications and IP addresses communicating via the smartphone. Difficult to isolate.

Some Screenshots

Further Plan

1 paragraph Text

Timeline table.