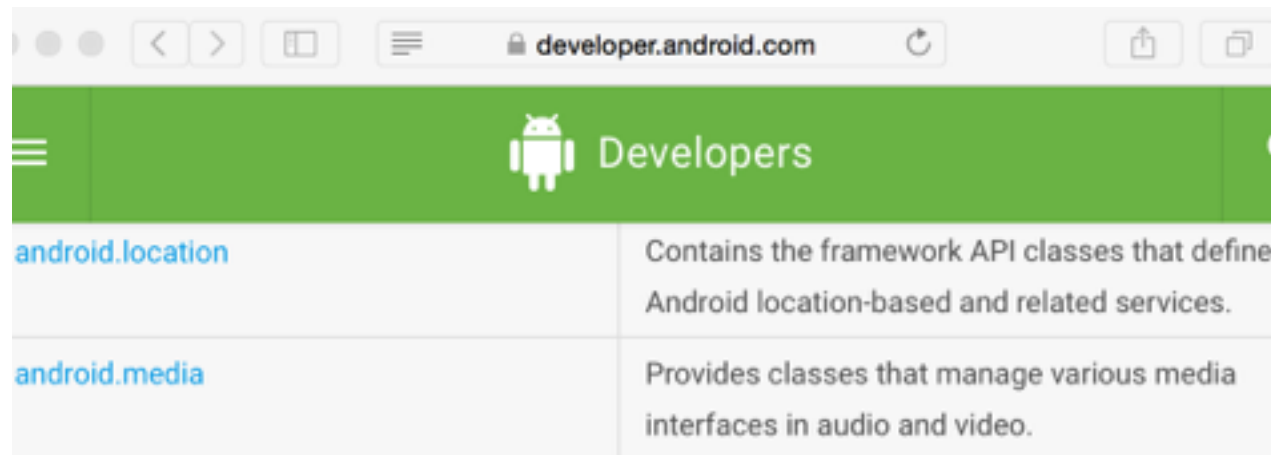# MediaTestRunner Demo

Andy Bao

Feb 6, 2017

# Agenda

- Testing request overview

- MediaTestRunner overview

- Client and Server responsibility

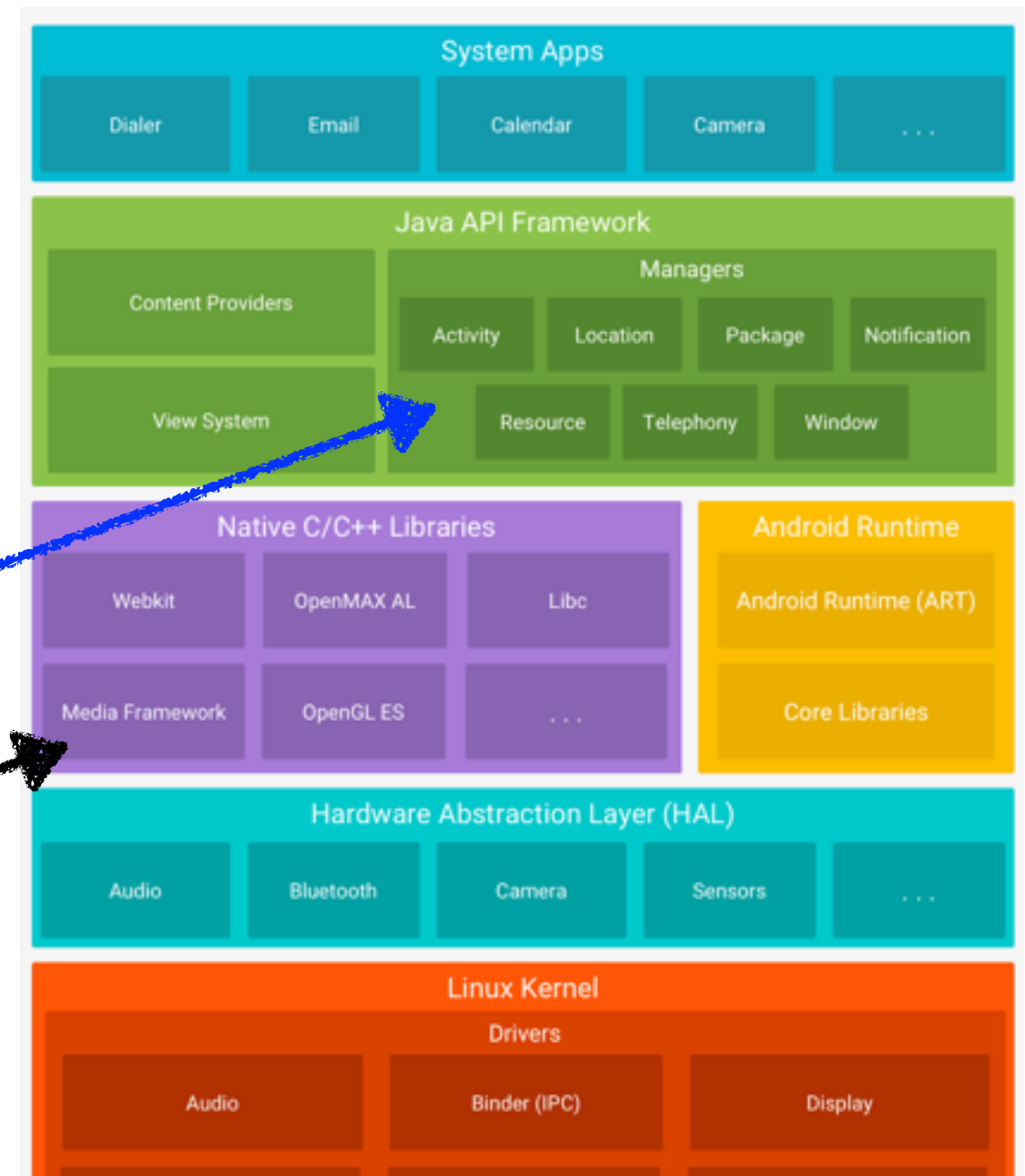- Server UML diagram

- Demo case steps

10 Minutes

# Testing Request

Customer client and
MobileTestRunner

Product, provide to
customer as share object (.so)

# MeidaTestRunner

Modify settings in
txt file

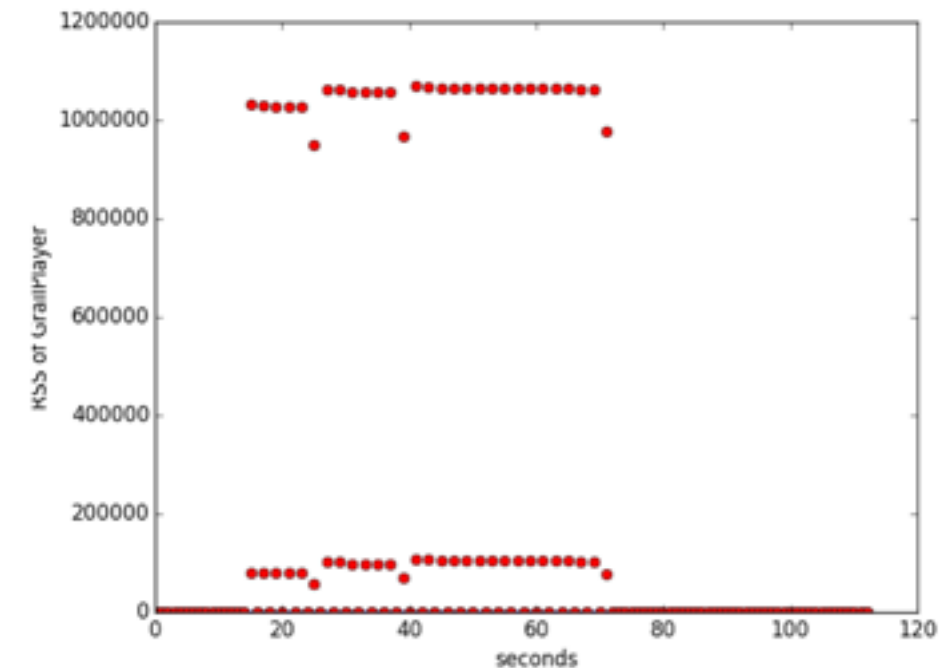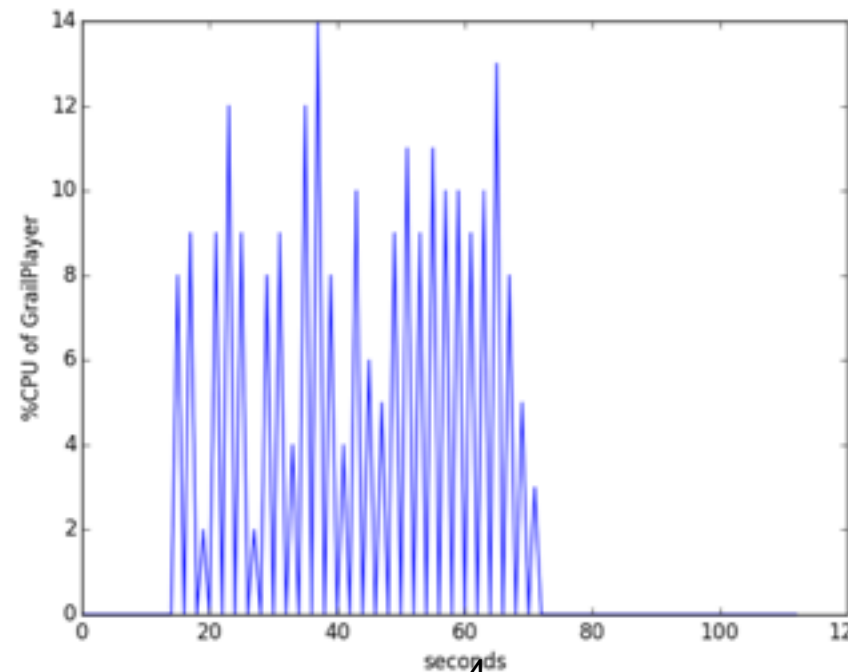Start task running
by adb shell am

Get test report by mail

Get test result and log
by adb shell

**CobraServer Core BVT Test Result (Pass [pass rate:100.00%, expected: 90%])**

| Branch | Start Time | End Time | Total | Passed | Failed |
|--------|-----------|----------|-------|--------|--------|
| TBD | 2015/02/04 11:39:19 | 2015/02/04 12:21:41 | 40 | 40 | 0 |

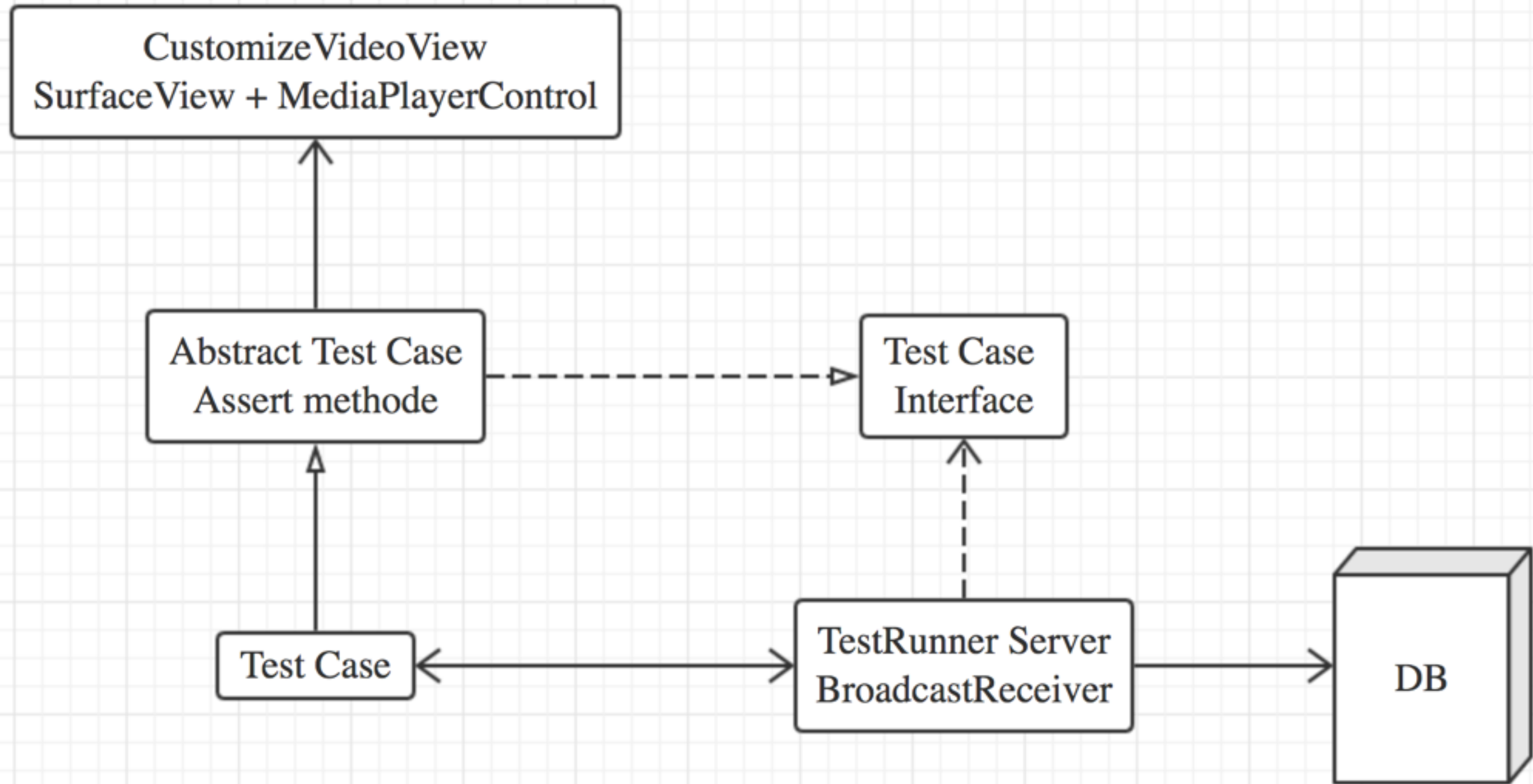| Feature | Test Case | Status | Reason |
|---------|-----------|--------|--------|
| | webApi: /media_info?media_type=video | PASS | |
| | webApi: /media_info?media_type=photo | PASS | |
| | webApi: /media_info?media_type=live | PASS | |
| SmokeCommonWebApi | webApi: /media_info?media_type=video& sort=duration%20asc | PASS | |
| | webApi: /media_info?media_type=photo& creationMonth=2013-07 | PASS | |
| | webApi: /media_info?sort=contentDate% 20desc&count=6 | PASS | |
| SmokeServerMediaScan | Media scan (video/photo). | PASS | |
| SmokeWebApiMediaInfoThumbnail | Load media (video/photo) info and thumbnail from server 10 times. | PASS | |

4

## Client responsibility (Python script)

- Initialize test environment
- Get log from device
- Parse testing log
- Generate test report
- Get setting from text file
- Testing timing start
- Download latest test build from build server
- Update latest test build to device
- Filter and rerun failed test case
- Send test report by mail
- etc…

## Server responsibility (Android local tool)

- Check environment
- Save and run test case
- Generate test UI
- Create test log
- Assert test result
- Check SD card status
- Scan test content
- Monitor CPU and memory
- Do stress test
- etc…

# Server UML diagram

# Demo case steps

TestVideoBasicFunction

1.  Start playing

2.  Pause

3.  Start after pause

4.  Seek forward

5.  Seek backward

6.  Seek to begining

7.  Seek to end

TestVideoFailedOnPause

1.  Start playing

2.  Pause