PikeMan Framework Introduction

Android Automation Testing

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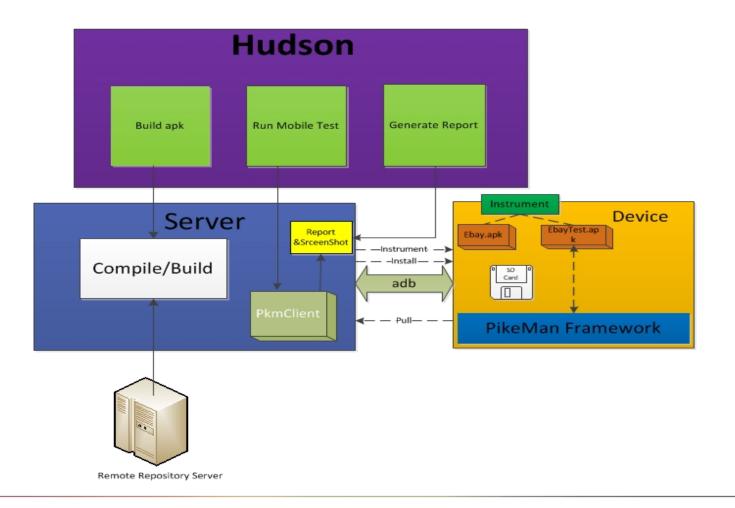
PikeMan1.0 VS Others

Features	Pikeman (In House)	Robotium 🍾	Android native Driver
Open source	*	*	*
Run method	instrument	instrument	WebDriver
Language	Java	Java	Any
OO API design	*	-	*
Not change Test APK	*	*	-
Test APK directly	*	*	-
Continuous Integration/Testing report	***	*	-
Web View automation	***	-	-
Screenshot(By time/ by method)	***	-	-
Upload images	***	-	-
Maven	***	-	-
Wifi	***		
Multiple Devices	****	-	-



PikeMan Desgin

PikeMan





PikeMan Client

Why we need PikeMan Client

We need collect more information after testing, such as logs/screenshot/report

The useage for PikeMan Client

- 1. Integrated with Hudson/Jenkins better for PikeMan
- 2. Generate screen shot by time for test cases.
- 3. Fetch logs and screenshot by steps imges from SD card to local server machine.
- 4. Generate Junit report for your test cases.



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PikeMan Main principle

Find the elements

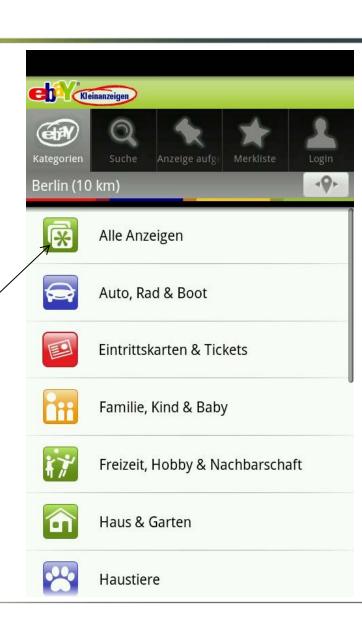
1 to obtain all the view instances in the current Activity

2 Get certain view from current Activity by Name

Operate the elements

- 1. Check the element type
- 2. Do what you see

clickOnText("Alle Anzeigen");





PikeMan CI process

- ✓ Build the latest mobile app
- ✓ Build the latest mobile test app
- ✓ Install latest mobile and test app in emulator
- ✓ Executed all the smoke test cases
- ✓ Get the screen capture, log and report

PikeMan integrate with Hudson or Jenkins

http://d-sjn-00535328.corp.ebay.com:8080/job/Mobile_Android_Test_DE/





Testing Report + Screen Shot





Never send a human to do a machine's job.



PikeMan 2.0...

- automates the manual tasks of writing tests for Android applications
- Code Coverage
- Support much more device action: such as voice and mobile shake
- Support HTML5
- Performance + Security



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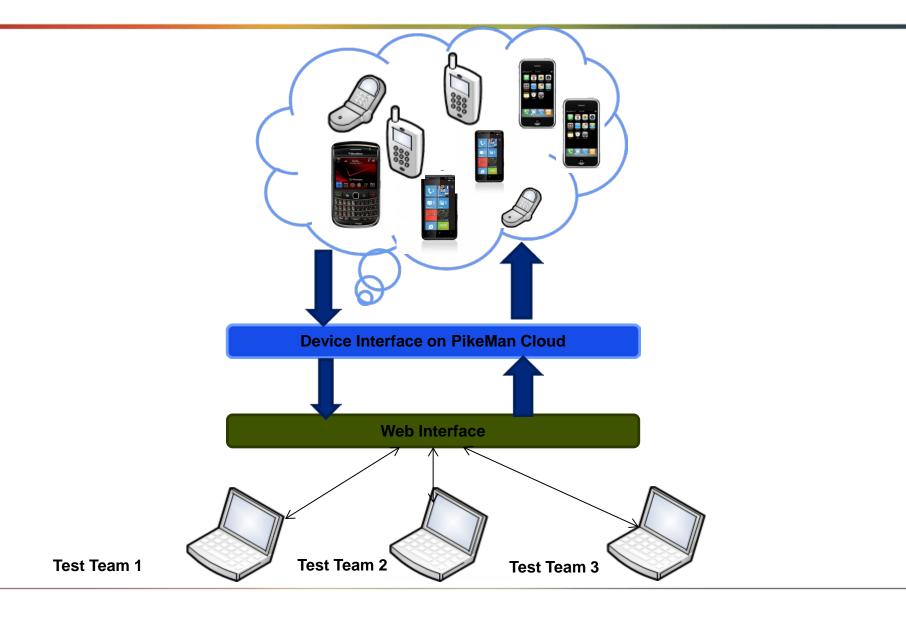
Q & A

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PikeMan-Cloud Connectivity



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