# Monkey

1）启动模拟器或者连接真机，adb devices验证

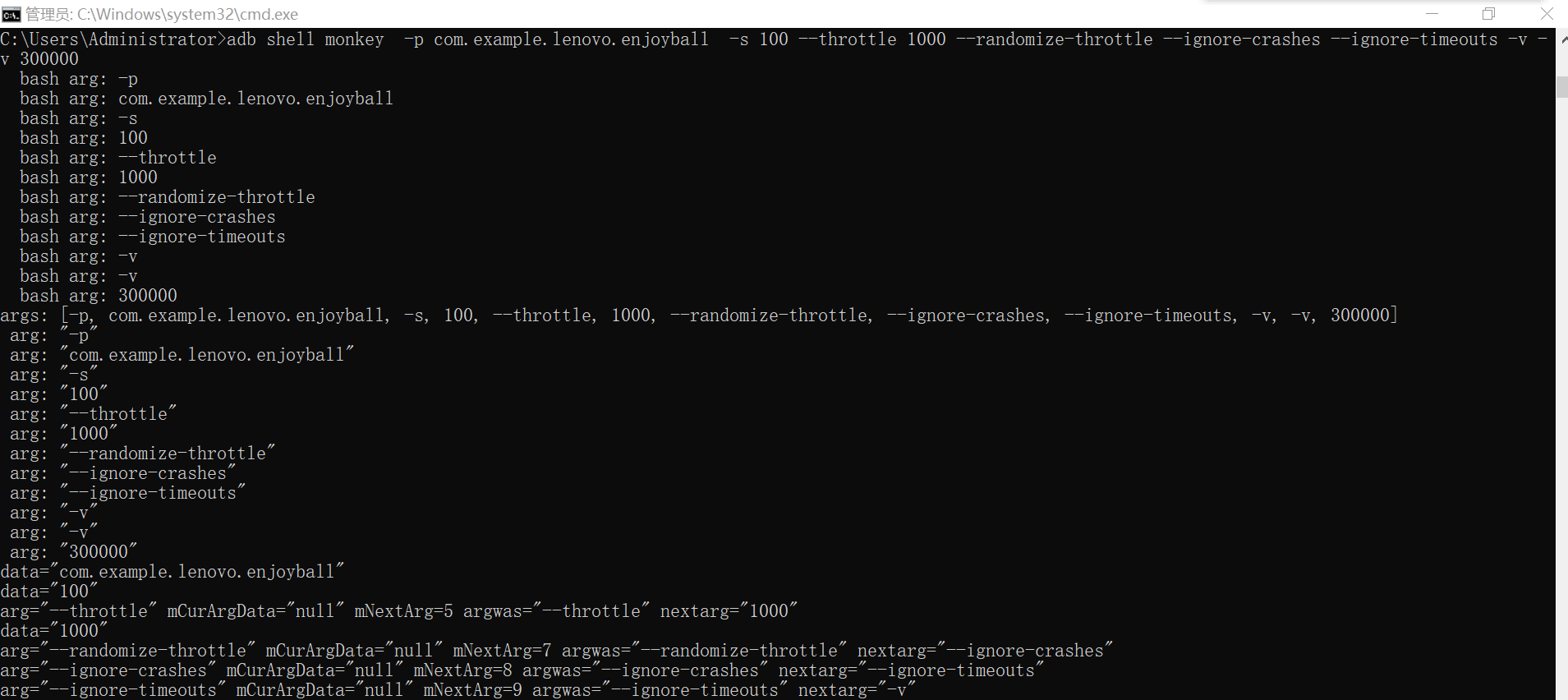
2）确定被测应用的包名

3）使用Monkey发一条测试命令，分析结果

1.测试玩个球30万次，随机种子为100，随机延迟0-1秒，忽略所有错误

adb shell monkey -p com.example.lenovo.enjoyball -s 100 --throttle 1000 --randomize-throttle --ignore-crashes --ignore-timeouts -v -v 300000

Monkey结果：



:Monkey: seed=100 count=300000 随机种子与运行次数

:AllowPackage: com.example.lenovo.enjoyball 允许测试的包

:IncludeCategory: android.intent.category.LAUNCHER Category包含 LAUNCHER

:IncludeCategory: android.intent.category.MONKEY Category包含 MONKEY

// Selecting main activities from category android.intent.category.LAUNCHER 查询结果列表

// + Using main activity com.example.lenovo.Activity.LoginActivity (from package com.example.lenovo.enjoyball)

// Selecting main activities from category android.intent.category.MONKEY

// Seeded: 100 随机种子

// Event percentages:

// 0: 15.0%

// 1: 10.0%

// 2: 2.0%

// 3: 15.0%

// 4: -0.0%

// 5: -0.0%

// 6: 25.0%

// 7: 15.0%

// 8: 2.0%

// 9: 2.0%

// 10: 1.0%

// 11: 13.0%

--pct-appswitch

:Switch: #Intent;action=android.intent.action.MAIN;category=android.intent.category.LAUNCHER;launchFlags=0x10200000;component=com.example.lenovo.enjoyball/com.example.lenovo.Activity.LoginActivity;end

// Allowing start of Intent { act=android.intent.action.MAIN cat=[android.intent.category.LAUNCHER] cmp=com.example.lenovo.enjoyball/com.example.lenovo.Activity.LoginActivity } in package com.example.lenovo.enjoyball

1. 测试玩个球，触摸事件30%，其他按键50%，错误停止，延时200

adb shell monkey -p com.example.lenovo.enjoyball --throttle 200 --pct-touch 30 --pct-anyevent 50 -v -v 100000

Monkey结果：

:Monkey: seed=1588232898609 count=100000 随机种子与运行次数

:AllowPackage: com.example.lenovo.enjoyball 允许测试的包

:IncludeCategory: android.intent.category.LAUNCHER Category包含 LAUNCHER

:IncludeCategory: android.intent.category.MONKEY Category包含 MONKEY

// Selecting main activities from category android.intent.category.LAUNCHER 查询结果列表

// + Using main activity com.example.lenovo.Activity.LoginActivity (from package com.example.lenovo.enjoyball)

// Selecting main activities from category android.intent.category.MONKEY

// Seeded: 1588232898609 随机种子

// Event percentages:

// 0: 30.0%

// 1: 2.777778%

// 2: 0.5555556%

// 3: 4.166667%

// 4: -0.0%

// 5: -0.0%

// 6: 6.9444447%

// 7: 4.166667%

// 8: 0.5555556%

// 9: 0.5555556%

// 10: 0.2777778%

// 11: 50.0%

CRASH输出输出LOG：

// CRASH: com.android.inputmethod.latin (pid 22841)

// Short Msg: com.android.inputmethod.latin.utils.XmlParseUtils$ParseException

// Long Msg: com.android.inputmethod.latin.utils.XmlParseUtils$ParseException: Empty keySpec at Binary XML file line #39

// Build Label: Android/sdk\_phone\_x86/generic\_x86:8.0.0/OSR1.180418.004/4931640:userdebug/test-keys

// Build Changelist: 4931640

// Build Time: 1533321892000

// com.android.inputmethod.keyboard.KeyboardLayoutSet$KeyboardLayoutSetException: java.lang.IllegalArgumentException: Empty keySpec at Binary XML file line #39

// at com.android.inputmethod.keyboard.KeyboardLayoutSet.getKeyboard(KeyboardLayoutSet.java:207)

// at com.android.inputmethod.keyboard.KeyboardSwitcher.setKeyboard(KeyboardSwitcher.java:153)

// at com.android.inputmethod.keyboard.KeyboardSwitcher.setSymbolsKeyboard(KeyboardSwitcher.java:258)

// at com.android.inputmethod.keyboard.internal.KeyboardState.setSymbolsKeyboard(KeyboardState.java:318)

// at com.android.inputmethod.keyboard.internal.KeyboardState.toggleAlphabetAndSymbols(KeyboardState.java:262)

// at com.android.inputmethod.keyboard.internal.KeyboardState.onPressSymbol(KeyboardState.java:411)

// at com.android.inputmethod.keyboard.internal.KeyboardState.onPressKey(KeyboardState.java:370)

// at com.android.inputmethod.keyboard.KeyboardSwitcher.onPressKey(KeyboardSwitcher.java:194)

// at com.android.inputmethod.latin.LatinIME.onPressKey(LatinIME.java:1666)

// at com.android.inputmethod.keyboard.PointerTracker.callListenerOnPressAndCheckKeyboardLayoutChange(PointerTracker.java:265)

// at com.android.inputmethod.keyboard.PointerTracker.onDownEventInternal(PointerTracker.java:687)

// at com.android.inputmethod.keyboard.PointerTracker.onDownEvent(PointerTracker.java:644)

// at com.android.inputmethod.keyboard.PointerTracker.processMotionEvent(PointerTracker.java:604)

// at com.android.inputmethod.keyboard.MainKeyboardView.processMotionEvent(MainKeyboardView.java:723)

// at com.android.inputmethod.keyboard.MainKeyboardView.onTouchEvent(MainKeyboardView.java:710)

// at android.view.View.dispatchTouchEvent(View.java:11725)

// at android.view.ViewGroup.dispatchTransformedTouchEvent(ViewGroup.java:2961)

// at android.view.ViewGroup.dispatchTouchEvent(ViewGroup.java:2593)

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// at android.view.ViewGroup.dispatchTouchEvent(ViewGroup.java:2593)

// at com.android.internal.policy.DecorView.superDispatchTouchEvent(DecorView.java:445)

// at com.android.internal.policy.PhoneWindow.superDispatchTouchEvent(PhoneWindow.java:1828)

// at android.app.Dialog.dispatchTouchEvent(Dialog.java:815)

// at android.inputmethodservice.SoftInputWindow.dispatchTouchEvent(SoftInputWindow.java:93)

// at com.android.internal.policy.DecorView.dispatchTouchEvent(DecorView.java:407)

// at android.view.View.dispatchPointerEvent(View.java:11964)

// at android.view.ViewRootImpl$ViewPostImeInputStage.processPointerEvent(ViewRootImpl.java:4776)

// at android.view.ViewRootImpl$ViewPostImeInputStage.onProcess(ViewRootImpl.java:4590)

// at android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:4128)

// at android.view.ViewRootImpl$InputStage.onDeliverToNext(ViewRootImpl.java:4181)

// at android.view.ViewRootImpl$InputStage.forward(ViewRootImpl.java:4147)

// at android.view.ViewRootImpl$AsyncInputStage.forward(ViewRootImpl.java:4274)

// at android.view.ViewRootImpl$InputStage.apply(ViewRootImpl.java:4155)

// at android.view.ViewRootImpl$AsyncInputStage.apply(ViewRootImpl.java:4331)

// at android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:4128)

// at android.view.ViewRootImpl$InputStage.onDeliverToNext(ViewRootImpl.java:4181)

// at android.view.ViewRootImpl$InputStage.forward(ViewRootImpl.java:4147)

// at android.view.ViewRootImpl$InputStage.apply(ViewRootImpl.java:4155)

// at android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:4128)

// at android.view.ViewRootImpl.deliverInputEvent(ViewRootImpl.java:6642)

// at android.view.ViewRootImpl.doProcessInputEvents(ViewRootImpl.java:6616)

// at android.view.ViewRootImpl.enqueueInputEvent(ViewRootImpl.java:6577)

// at android.view.ViewRootImpl$WindowInputEventReceiver.onInputEvent(ViewRootImpl.java:6745)

// at android.view.InputEventReceiver.dispatchInputEvent(InputEventReceiver.java:185)

// at android.os.MessageQueue.nativePollOnce(Native Method)

// at android.os.MessageQueue.next(MessageQueue.java:325)

// at android.os.Looper.loop(Looper.java:142)

// at android.app.ActivityThread.main(ActivityThread.java:6541)

// at java.lang.reflect.Method.invoke(Native Method)

// at com.android.internal.os.Zygote$MethodAndArgsCaller.run(Zygote.java:240)

// at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:767)

// Caused by: java.lang.IllegalArgumentException: Empty keySpec at Binary XML file line #39

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.load(KeyboardBuilder.java:175)

// at com.android.inputmethod.keyboard.KeyboardLayoutSet.getKeyboard(KeyboardLayoutSet.java:227)

// at com.android.inputmethod.keyboard.KeyboardLayoutSet.getKeyboard(KeyboardLayoutSet.java:204)

// ... 60 more

// Caused by: com.android.inputmethod.latin.utils.XmlParseUtils$ParseException: Empty keySpec at Binary XML file line #39

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseKey(KeyboardBuilder.java:482)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseRowContent(KeyboardBuilder.java:362)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseDefault(KeyboardBuilder.java:798)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseSwitchInternal(KeyboardBuilder.java:609)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseSwitchRowContent(KeyboardBuilder.java:595)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseRowContent(KeyboardBuilder.java:368)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseMerge(KeyboardBuilder.java:578)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseIncludeInternal(KeyboardBuilder.java:557)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseIncludeRowContent(KeyboardBuilder.java:518)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseRowContent(KeyboardBuilder.java:366)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseKeyboardContent(KeyboardBuilder.java:310)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseMerge(KeyboardBuilder.java:576)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseIncludeInternal(KeyboardBuilder.java:557)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseIncludeKeyboardContent(KeyboardBuilder.java:513)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseKeyboardContent(KeyboardBuilder.java:315)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.parseKeyboard(KeyboardBuilder.java:229)

// at com.android.inputmethod.keyboard.internal.KeyboardBuilder.load(KeyboardBuilder.java:172)

// ... 62 more

//

遇到异常结束：

\*\* Monkey aborted due to error.

Events injected: 1291

:Sending rotation degree=0, persist=false

:Dropped: keys=2 pointers=0 trackballs=0 flips=0 rotations=0

## Network stats: elapsed time=113322ms (0ms mobile, 0ms wifi, 113322ms not connected)

\*\* System appears to have crashed at event 1291 of 100000 using seed 1588232898609

3.对玩个球进行旋转压力测试，事件延时2秒,200次

adb shell monkey -p com.example.lenovo.enjoyball --pct-rotation 100 --throttle 2000 200

Monkey结果：

C:\Users\Administrator>adb shell monkey -p com.example.lenovo.enjoyball --pct-rotation 100 --throttle 2000 200

bash arg: -p

bash arg: com.example.lenovo.enjoyball

bash arg: --pct-rotation

bash arg: 100

bash arg: --throttle

bash arg: 2000

bash arg: 200

args: [-p, com.example.lenovo.enjoyball, --pct-rotation, 100, --throttle, 2000, 200]

arg: "-p"

arg: "com.example.lenovo.enjoyball"

arg: "--pct-rotation"

arg: "100"

arg: "--throttle"

arg: "2000"

arg: "200"

data="com.example.lenovo.enjoyball"

arg="--pct-rotation" mCurArgData="null" mNextArg=3 argwas="--pct-rotation" nextarg="100"

data="100"

arg="--throttle" mCurArgData="null" mNextArg=5 argwas="--throttle" nextarg="2000"

data="2000"

所有事件跑完结束：（无异常）

Events injected: 200

## Network stats: elapsed time=412312ms (0ms mobile, 0ms wifi, 412312ms not connected)

4.adb shell monkey -p com.example.lenovo.enjoyball -v -v 100

Monkey结果：

:Monkey: seed=1588292364504 count=100

:AllowPackage: com.example.lenovo.enjoyball

:IncludeCategory: android.intent.category.LAUNCHER

:IncludeCategory: android.intent.category.MONKEY

// Selecting main activities from category android.intent.category.LAUNCHER

// + Using main activity com.example.lenovo.Activity.LoginActivity (from package com.example.lenovo.enjoyball)

// Selecting main activities from category android.intent.category.MONKEY

// Seeded: 1588292364504

所有事件跑完结束：（无异常）

Events injected: 100

:Sending rotation degree=0, persist=false

:Dropped: keys=0 pointers=0 trackballs=0 flips=0 rotations=0

## Network stats: elapsed time=1944ms (0ms mobile, 0ms wifi, 1944ms not connected)

// Monkey finished