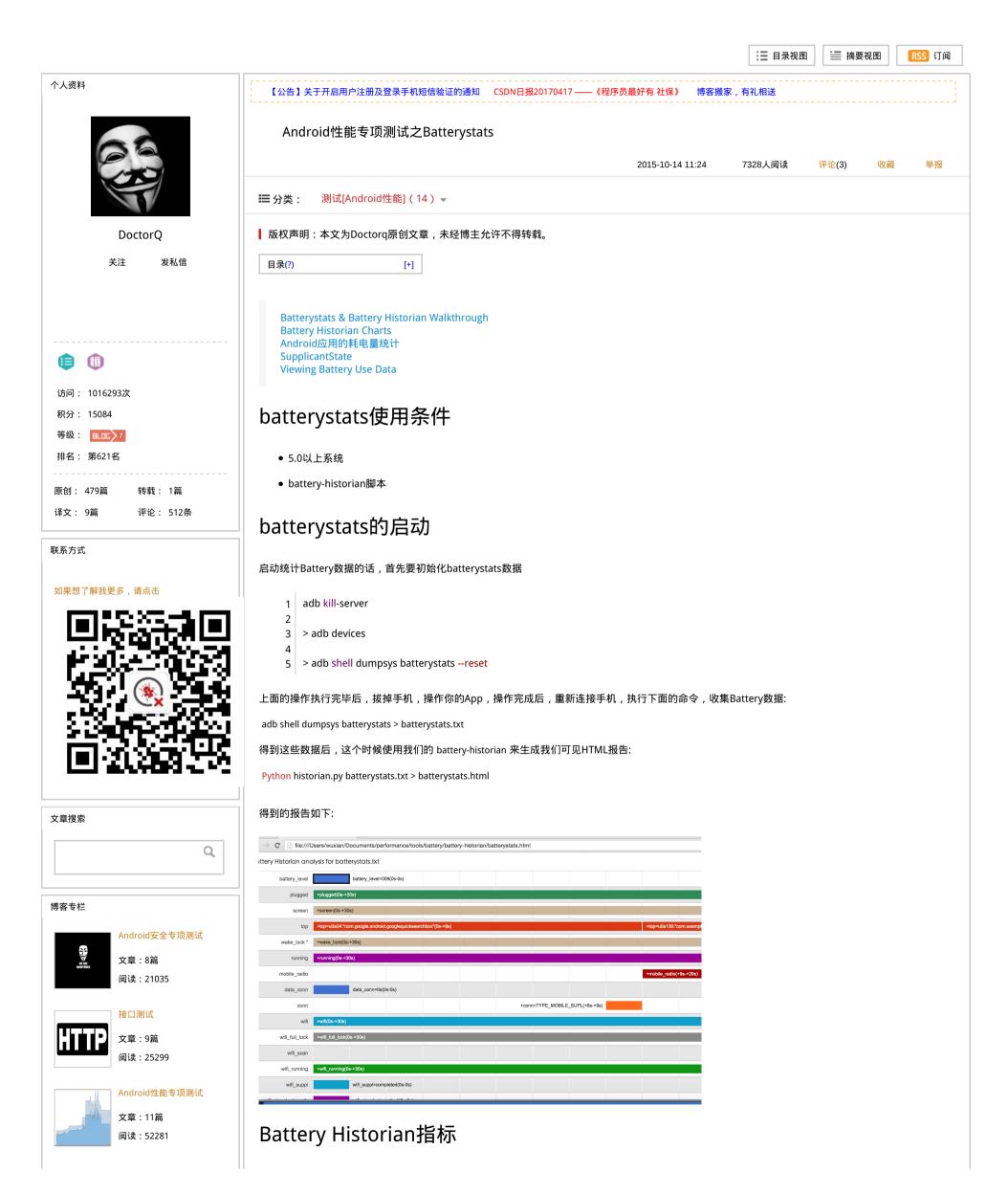


Q博士的专栏

客户端三年,服务端1年,学习的路上



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react-native试玩

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UI Testing in Xcode7

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gradle

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Appium之android平台的源 码分析

文章:17篇

义卓:1/扁 阅读:34668



Cts框架解析

文章:24篇 阅读:48999

在Android性能专项测试之battery-historian试用 一文中已经介绍了一些属性,但是目前又增加很多,下面来看看新加属性的意义:

属性	意义
gps	gps是否开启
sync	是否跟后台同步
mobile_radio	是否开启radio
wake_reason	唤醒原因
phone_in_call	进行通话

batterystats信息过滤

Battery History

电量相关数据的时间序列:

```
Battery History (0% used, 152 used of 256KB, 5 strings using 256):
               0 (9) RESET:TIME: 2015-10-09-19-50-15
 2
 3
               0 (2) 009 status=charging health=good plug=usb temp=324 volt=3683 +running +wake_lock +wifi_full_lock +audio +screen +prugge
               0 (2) 009 user=0:"0"
 4
               0 (2) 009 userfg=0:"0"
 5
 6
             +189ms (2) 009 volt=3660
 7
             +216ms (2) 009 volt=3688
            +8s387ms (2) 009 +gps conn=3:"CONNECTED"
 8
            +9s387ms (2) 009 -top=u0a34:"com.google.android.googlequicksearchbox"
 9
            +9s387ms (2) 009 -gps +top=u0a130:"com.example.android.sunshine.app"
10
            +9s569ms (2) 009 +mobile_radio conn=3:"DISCONNECTED"
11
           +10s217ms (2) 009 volt=3577
12
13
           +17s294ms (2) 009 volt=3619
           +20s216ms (2) 009 volt=3576
14
15
           +21s530ms (1) 009 +wifi_scan
16
           +22s801ms (1) 009 -wifi_scan
17
           +29s842ms (1) 009 -mobile_radio
           +30s252ms (2) 009 volt=3616
18
```

Per-PID Stats

每一个进程执行了多长的时间

1 Per-PID Stats: 2 PID 0 wake time: +396ms 3 PID 868 wake time: +1s682ms PID 1402 wake time: +539ms PID 0 wake time: +6s473ms PID 868 wake time: +3ms 7 PID 1723 wake time: +166ms 8 PID 4841 wake time: +11m1s479ms PID 19942 wake time: +271ms 9 10 PID 868 wake time: +42ms PID 21564 wake time: +172ms 11 PID 15488 wake time: +67ms 12 13 PID 4841 wake time: +6s512ms PID 4841 wake time: +6s512ms 14 PID 18217 wake time: +126ms 15 PID 3876 wake time: +228ms 16 PID 868 wake time: +20s440ms 17 18 PID 16547 wake time: +23ms

PID 22121 wake time: +288ms

PID 22146 wake time: +59ms

PID 16424 wake time: +485ms

Statistics since last charge

19

20

- 1 Statistics since last charge:
- 2 System starts: 0, currently on battery: false
- Time on battery: 0ms (0.0%) realtime, 0ms (0.0%) uptime
 - Time on battery screen off: 0ms (0.0%) realtime, 0ms (0.0%) uptime
- Total run time: 34s 134ms realtime, 34s 134ms uptime
- 6 Start clock time: 2015-10-09-19-50-15
- 7 Screen on: 0ms (--%) 0x, Interactive: 0ms (--%)
 Screen brightnesses: (no activity)
- 8 Screen brightnesses: (no activity)9 Connectivity changes: 2
- Mobile total received: 0B, sent: 0B (packets received 0, sent 0)
- Phone signal levels: (no activity)
- 12 Signal scanning time: 0ms
- 13 Radio types: (no activity)
- Mobile radio active time: 0ms (--%) 0x
 Mobile radio active adjusted time: 0ms (--%)
- Wi-Fi total received: 0B, sent: 0B (packets received 0, sent 0)
- Wifi on: 0ms (--%), Wifi running: 0ms (--%)
- 18 Wifi states: (no activity)
- 19 Wifi supplicant states: (no activity)
- 20 Wifi signal levels: (no activity)

- 21 Bluetooth on: 0ms (--%)
 22 Bluetooth states: (no activity)
 23
- Estimated power use (mAh)

目前只能算比较粗略的估计,不能作为实际消耗数据,期待google更为精准的数据

- 1 Estimated power use (mAh):
- 2 Capacity: 3220, Computed drain: -2444.11370879, actual drain: 0.000000000
- 3 Idle: 24.7
- 4 Uid u0a46: -0.01197222
- 5 Uid u0a100: -0.04600000
- 6 Uid u0a29: -0.07444444
- 7 Uid u0a118: -0.14044444
- 8 Uid u0a104: -0.73288889
- 9 Uid 1000: -2.12172492
- 10 Uid u0a14: -3.36807500
- 11 Uid u0a99: -3.78076692
- 12 Phone calls: -19.54370833
- 13 Cell standby: -107.36537361
- 14 Screen: -2331.64616000

Per-app mobile ms per packet

radio唤醒时间除以数据包发送次数,该时间越小代表性能越好,一个高效的App会将所有的流量转化为batches。

All partial wake locks

所有程序中wakelock,关注持续时间和数量

6.0的更新

试用了下6.0的batterystats,现在信息比5.0的更加全面,不但详细列举了不同app的耗电量,还把app中各个子模块的耗电量也输出了:

- 1 Estimated power use (mAh):
- 2 Capacity: 3220, Computed drain: 1163, actual drain: 451-644
- 3 Screen: 361
- 4 Uid u0a99: 189 (cpu=13.2 wake=0.000408 radio=102 wifi=6.35 gps=67.8)
- 5 Uid u0a94: 127 (cpu=6.99 wake=0.00528 radio=118 wifi=0.451 gps=0.181 sensor=0.836)
- 6 Uid 0: 111 (cpu=30.2 wake=5.13 radio=75.0 wifi=0.242)
- 7 Cell standby: 79.8 (radio=79.8)
- 8 Uid u0a95: 63.7 (cpu=10.9 wake=1.59 radio=50.0 wifi=0.0566 camera=1.15)
- 9 Uid 1000: 61.1 (cpu=59.9 wake=0.642 wifi=0.100 sensor=0.525)
- 10 Uid u0a98: 22.2 (cpu=0.261 wake=0.00395 radio=21.9 wifi=0.0817)
- 11 Uid u0a100: 19.0 (cpu=10.4 wake=0.00502 radio=7.90 wifi=0.624 gps=0.00150 sensor=0.0554)
- 12 Uid u0a35: 14.3 (cpu=14.0 wake=0.158 wifi=0.0804)
- 13 Uid u0a15: 14.1 (cpu=3.18 wake=1.72 radio=8.71 wifi=0.466)
- 14 Uid u0a108: 13.9 (cpu=3.23 radio=10.6 wifi=0.0228)
- 15 Uid u0a103: 12.2 (cpu=2.79 wake=0.00260 radio=8.11 wifi=0.811 gps=0.291 sensor=0.187)
- 16 Uid u0a110: 10.8 (cpu=0.910 radio=9.92 wifi=0.00682)
- 17 Uid u0a105: 10.6 (cpu=5.59 radio=4.95 wifi=0.0642)
- 18 Idle: 9.40

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