

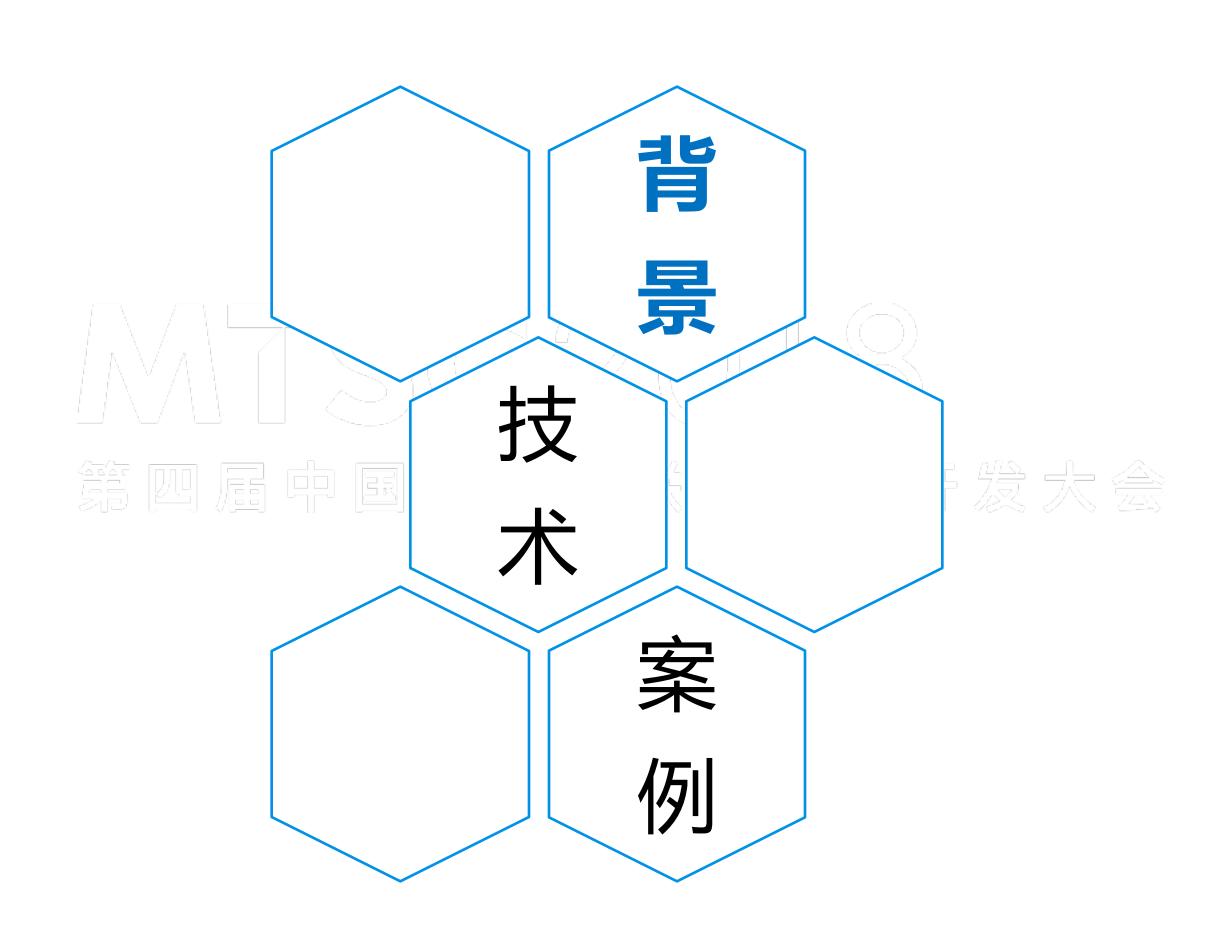
# MTSC2018

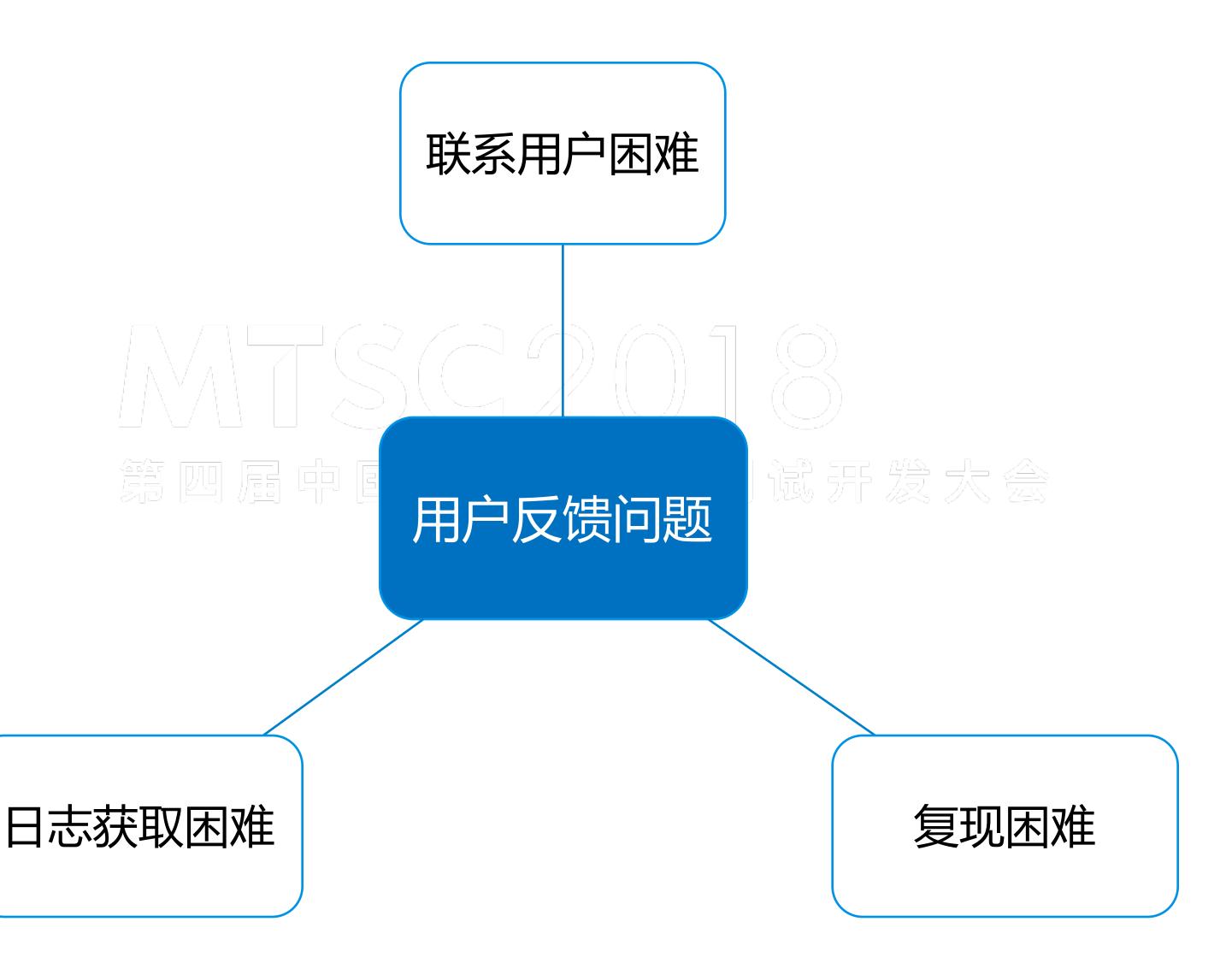
第四届中国移动互联网测试开发大会

TesterHeme

1. 本地测试FPS高达58帧/秒, 线上用户反馈卡顿?

2. 线上用户反馈网页白屏, 本地测试从来没有出现?



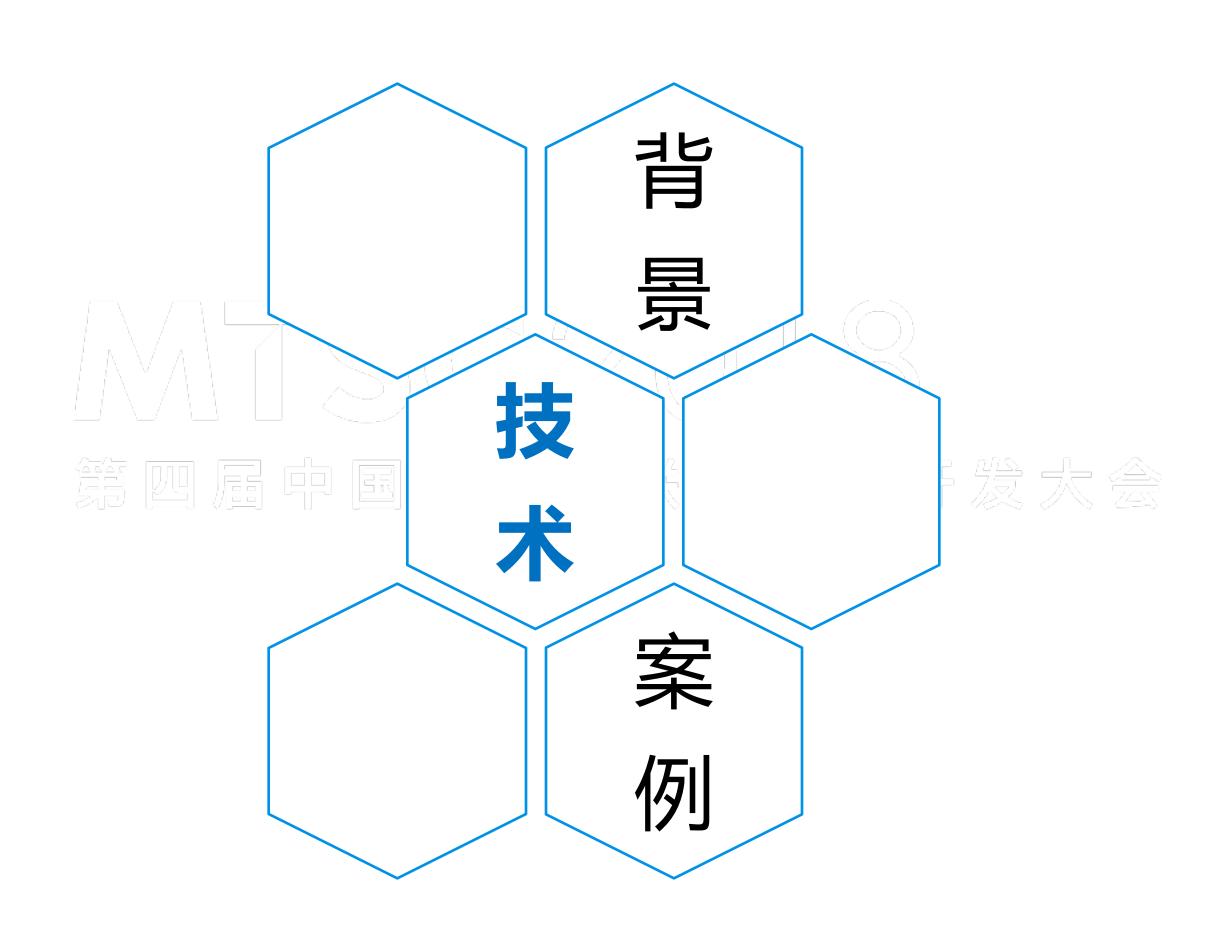


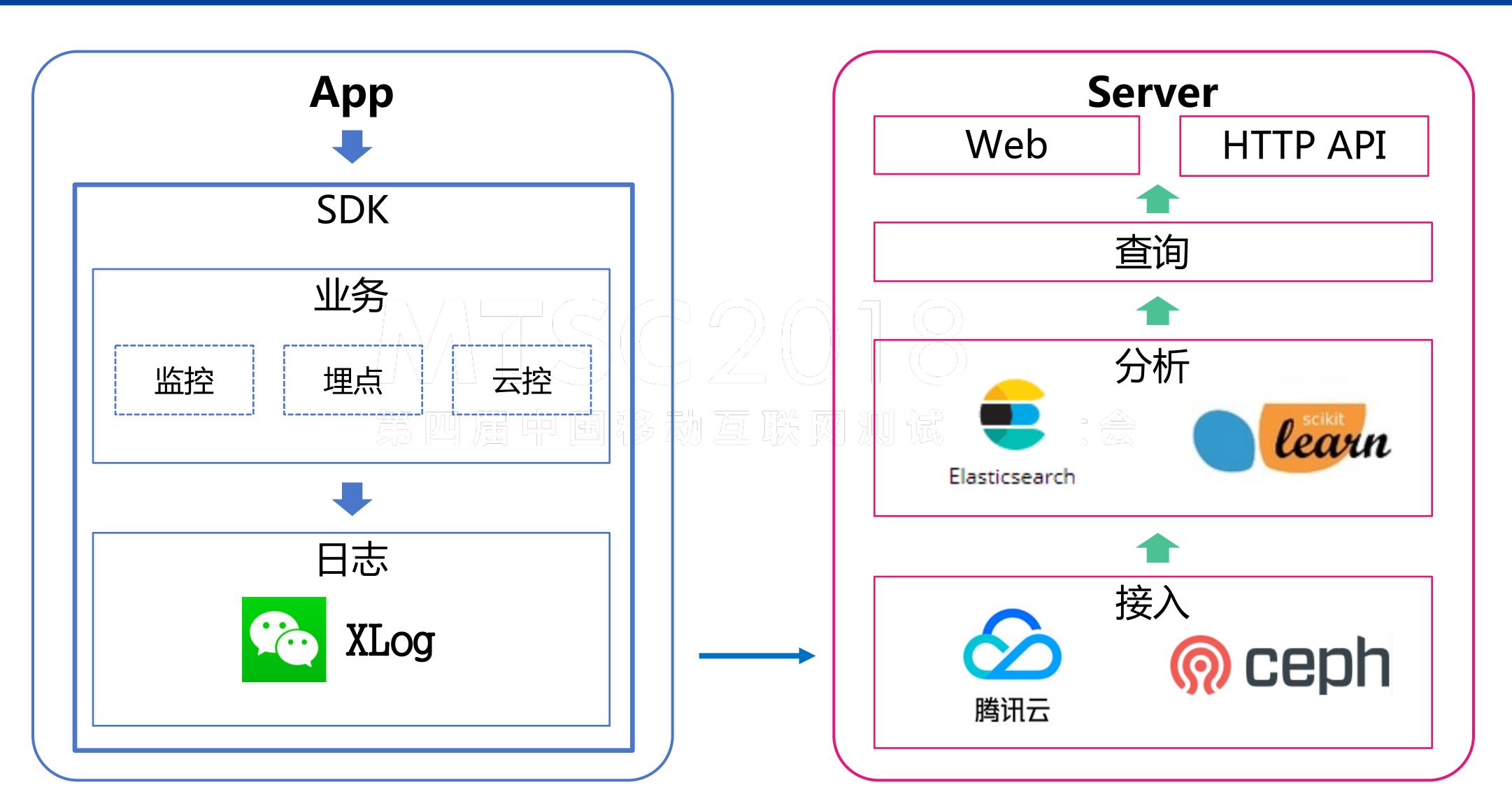
TesterHeme

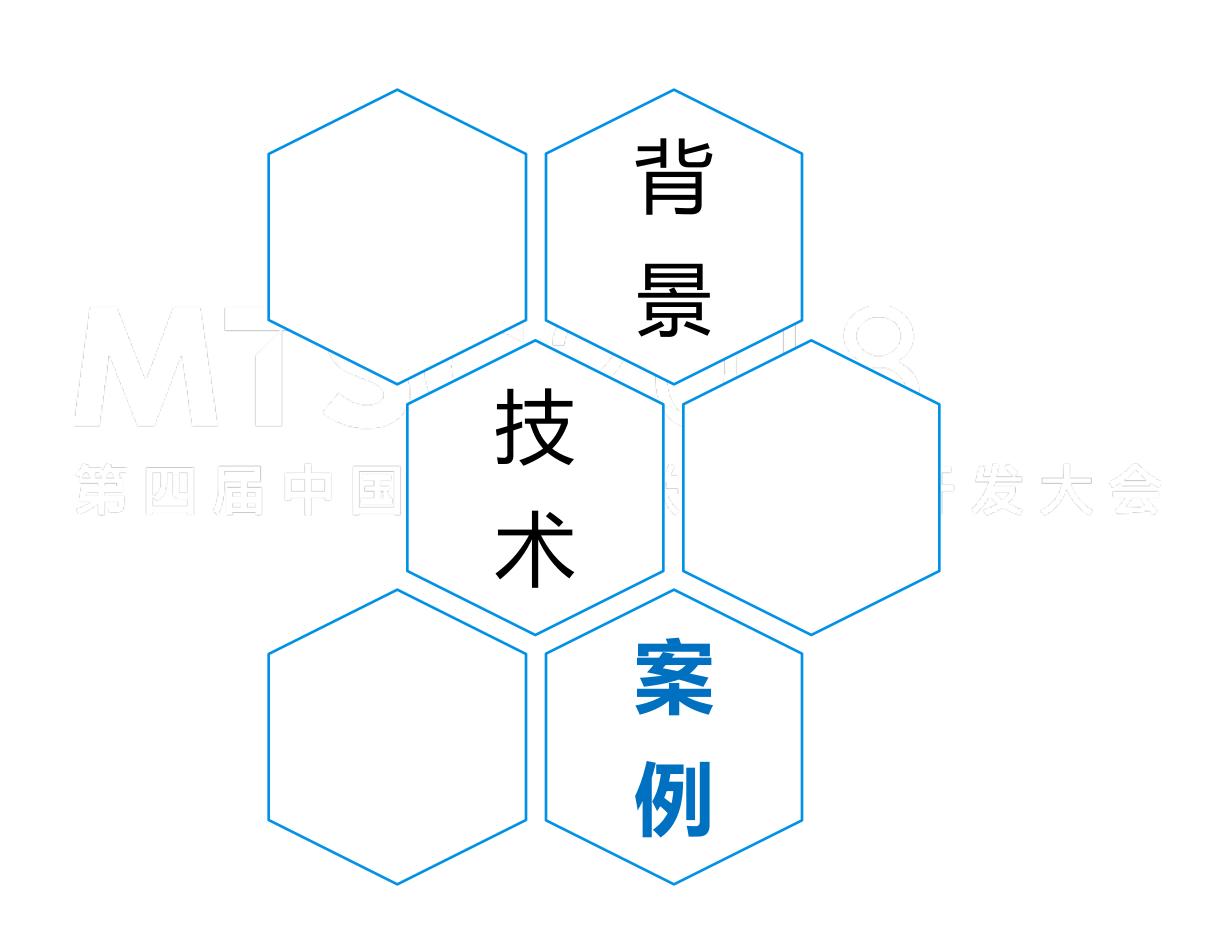


快速获取丰富的线上数据,

精准定位用户反馈问题

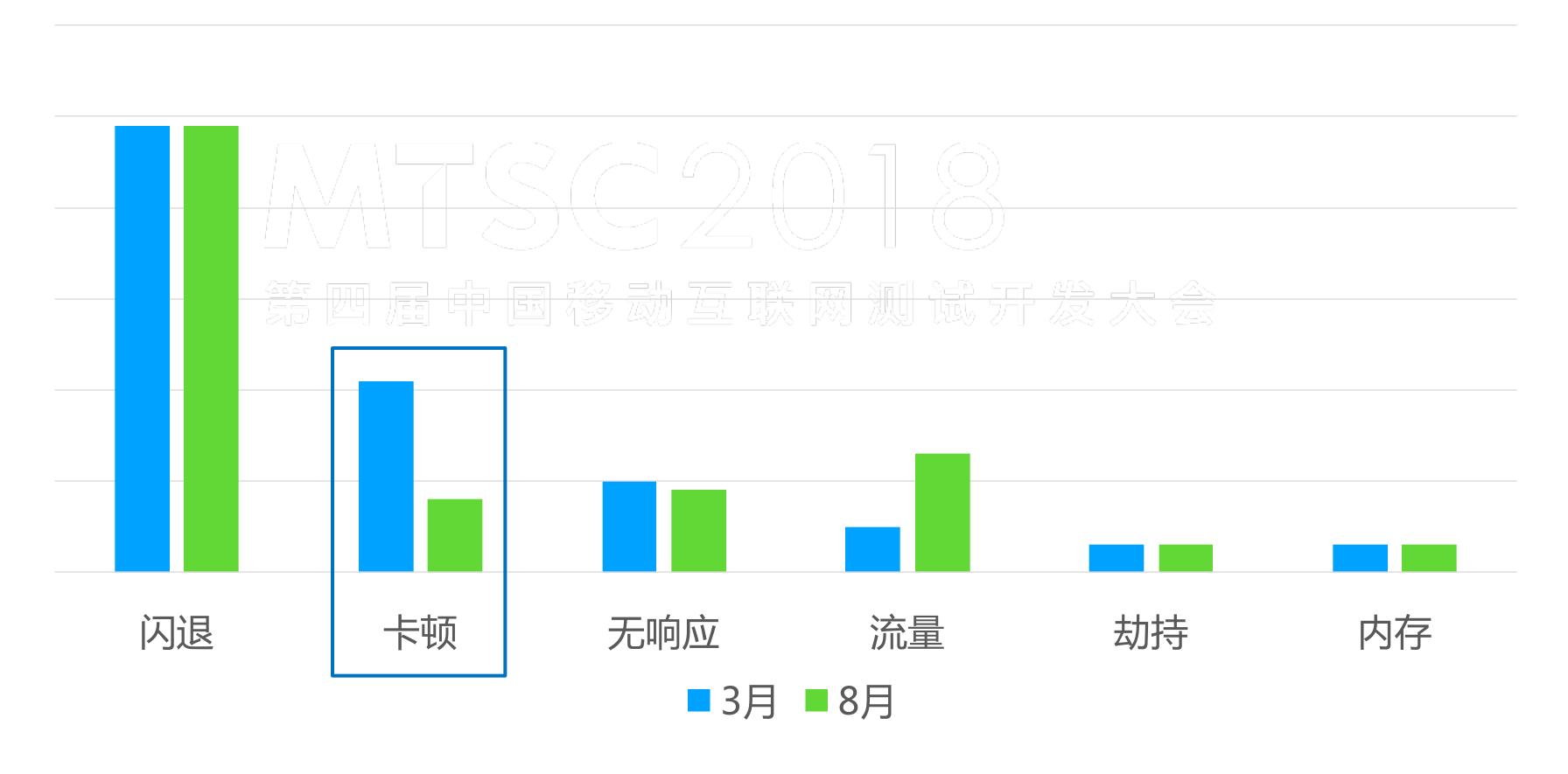


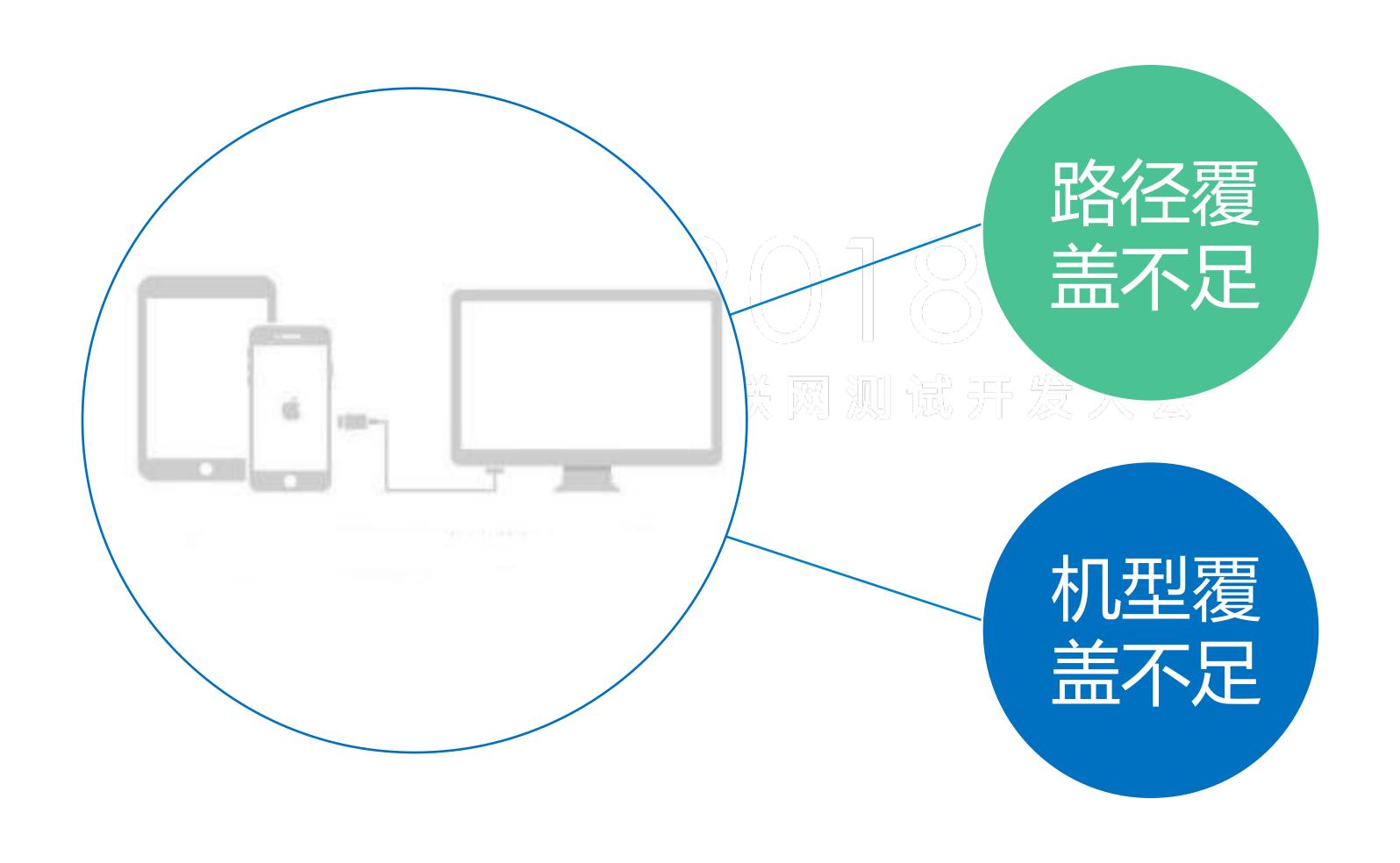




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#### QQ浏览器用户反馈问题







# MTS(C2018

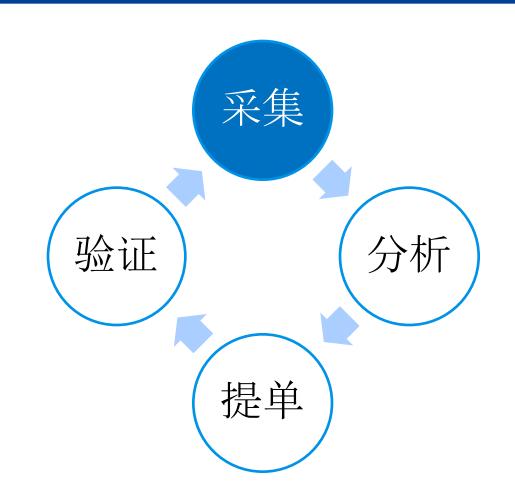
卡顿监控

调用栈获取

调用栈分析

定位问题



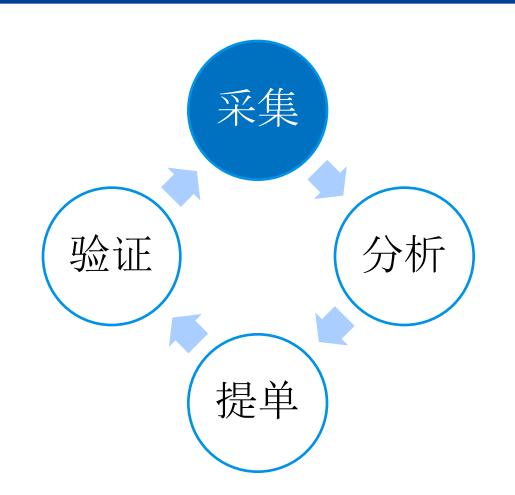


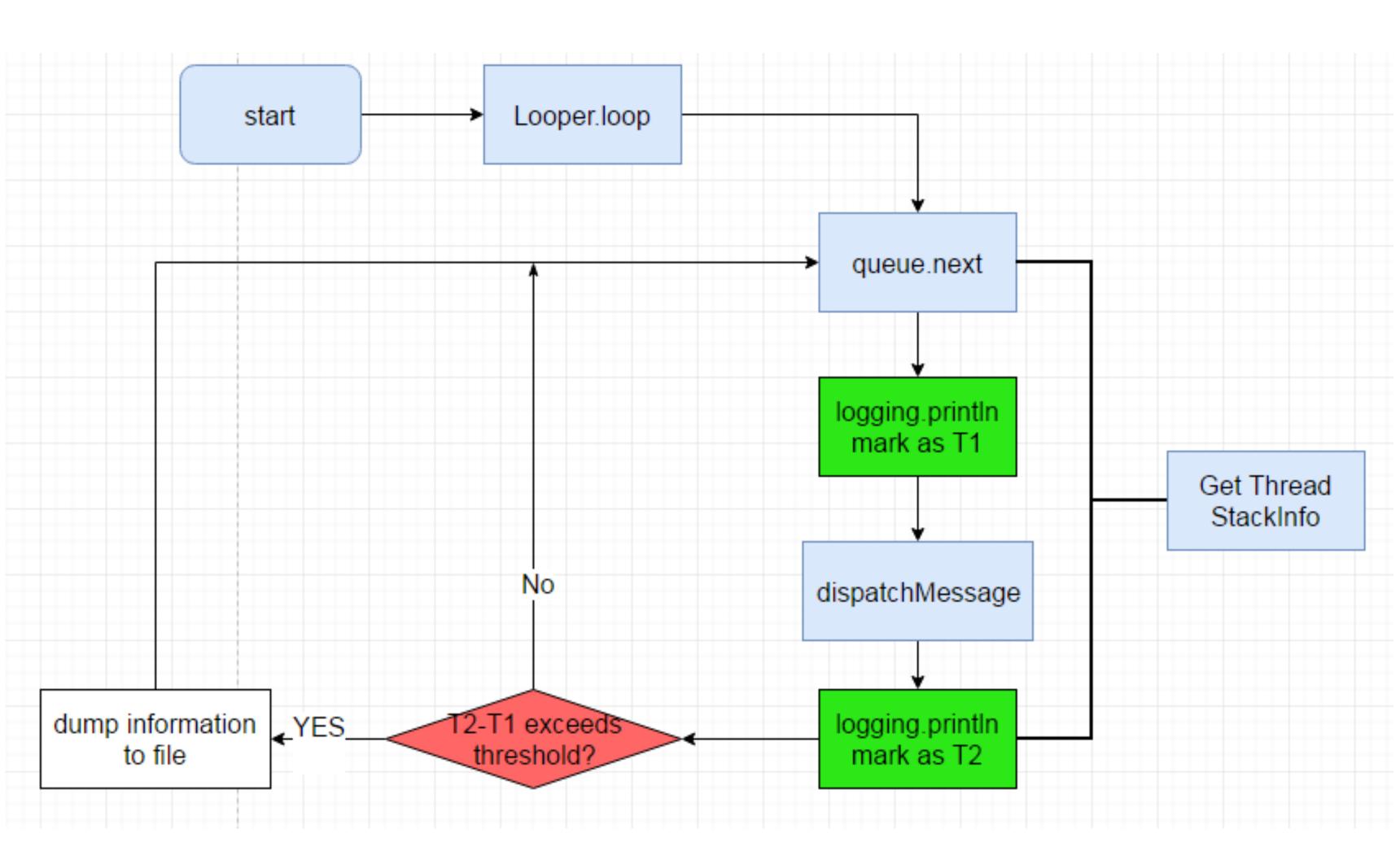
Looper.java

Printer监控

Choreographer.java

•FrameCallback监控

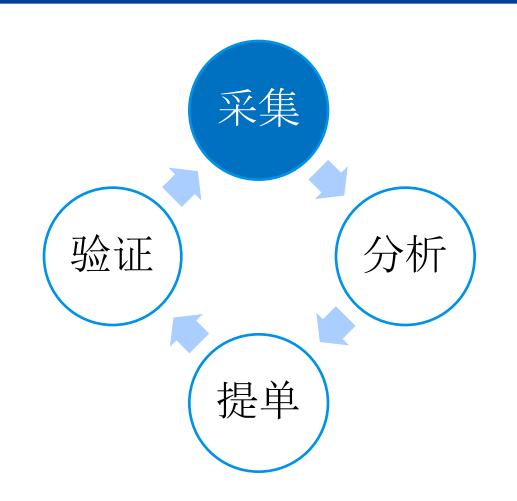






## 如何获取到准确调用栈?







性能好



信息量少 💢

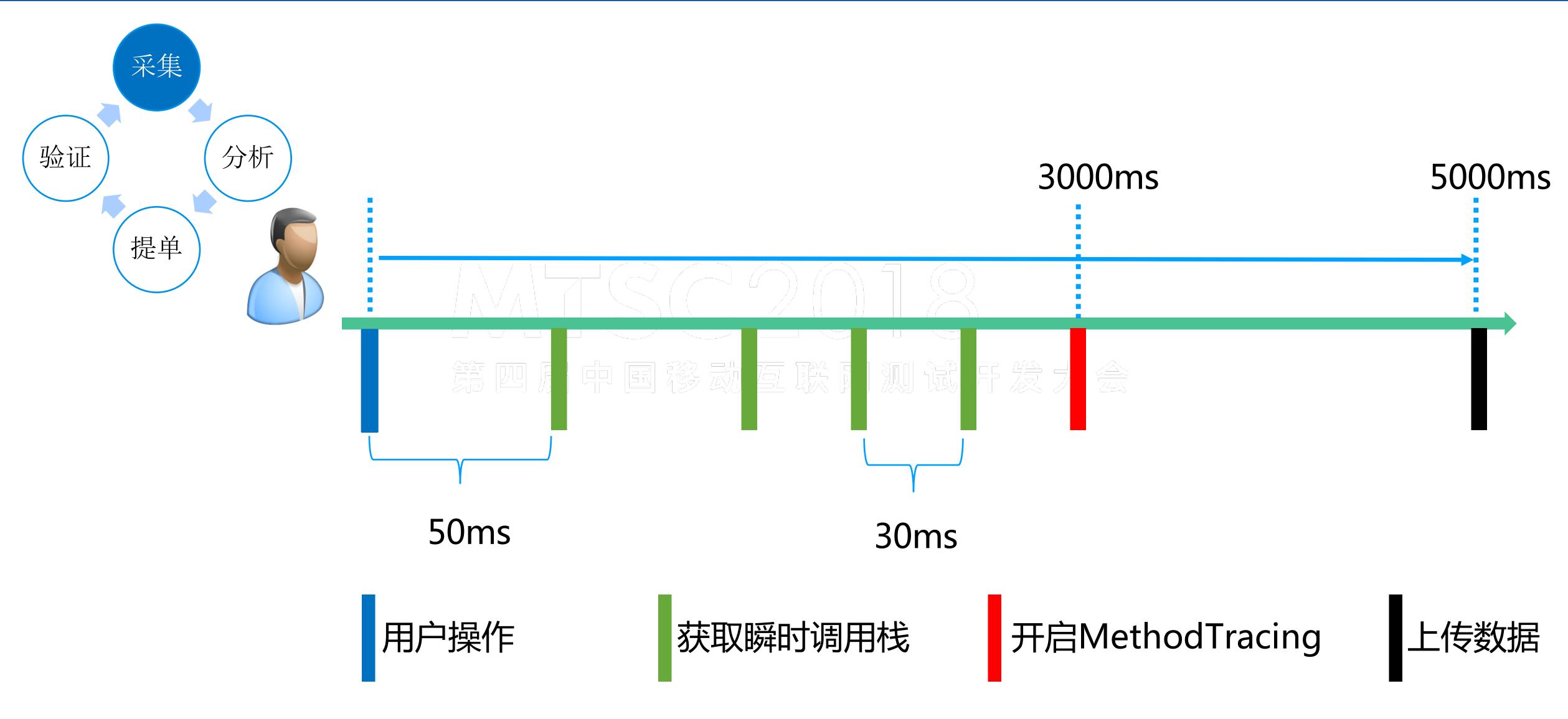


信息量大

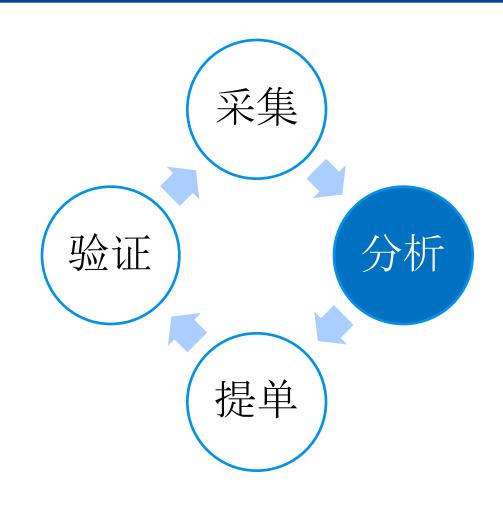




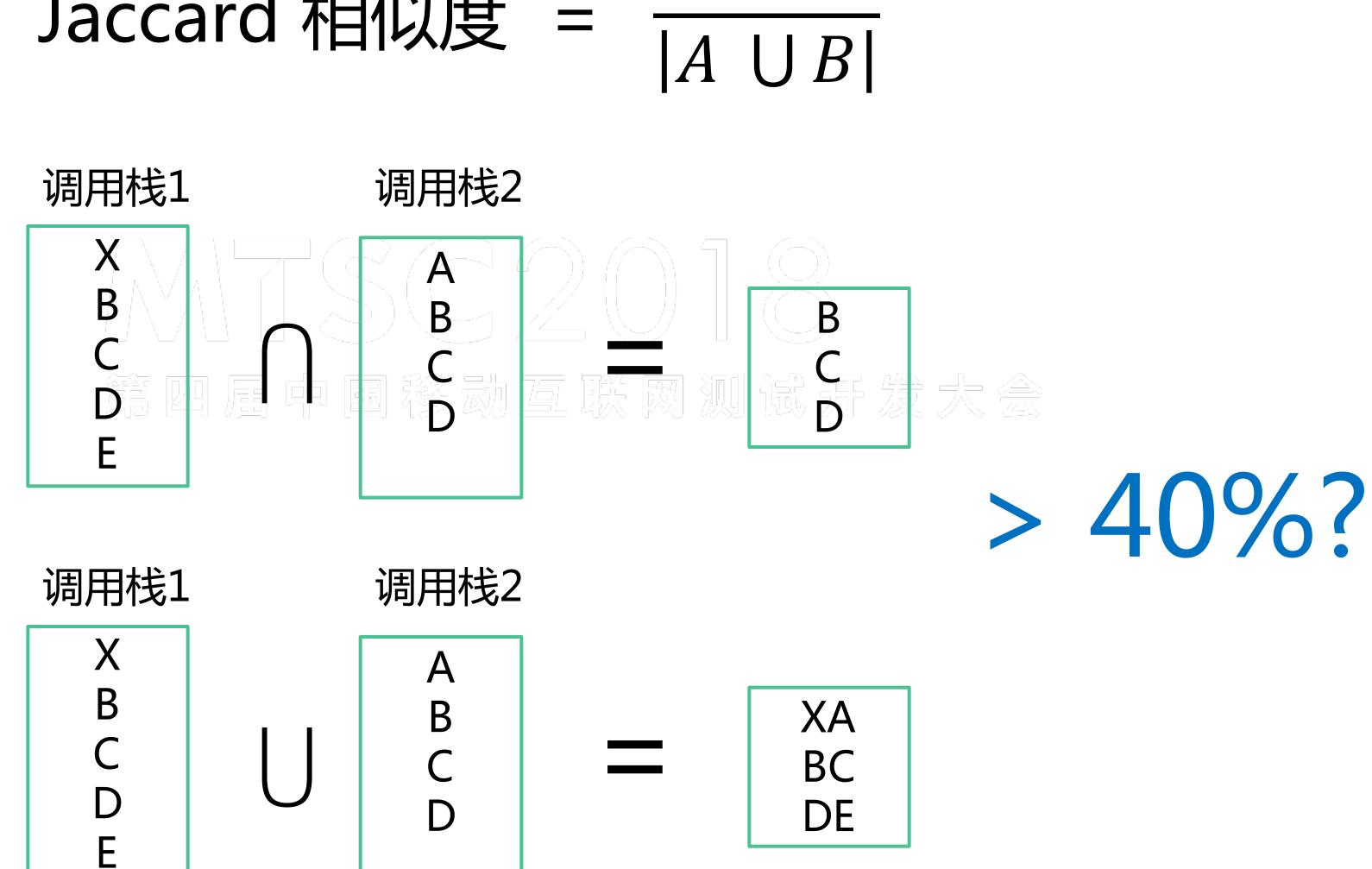




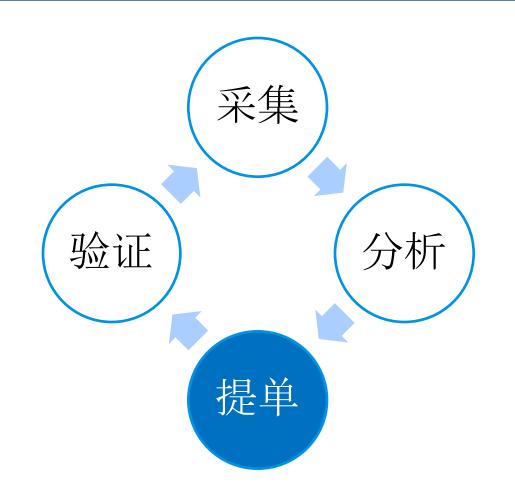
TesterHome

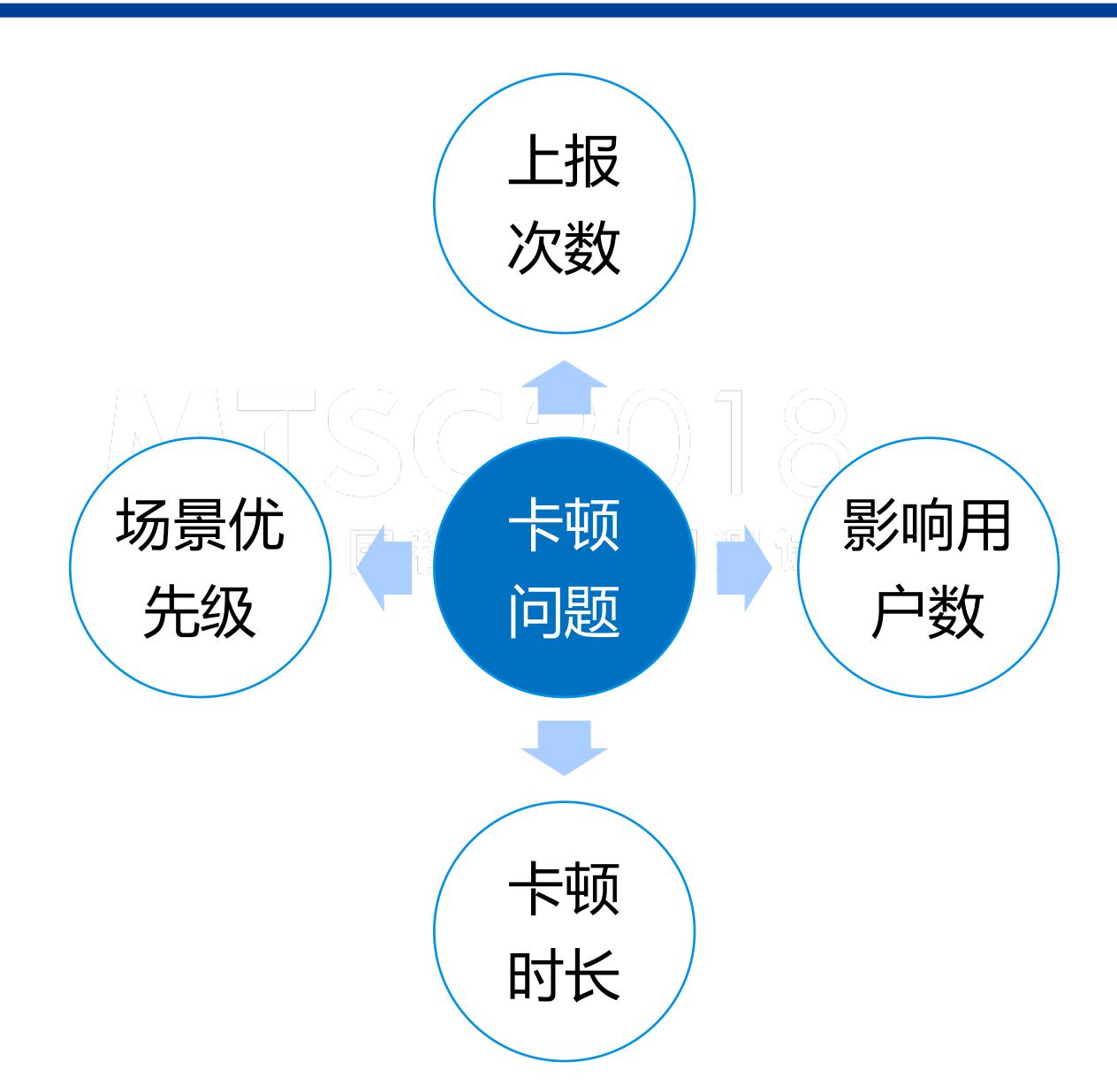


Jaccard 相似度 = 
$$\frac{|A \cap B|}{|A \cup B|}$$





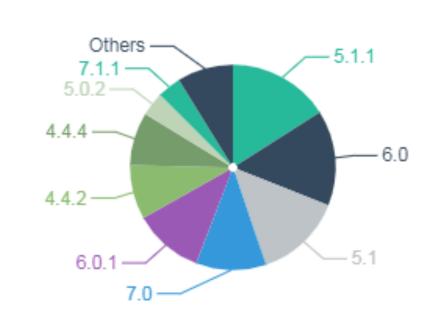




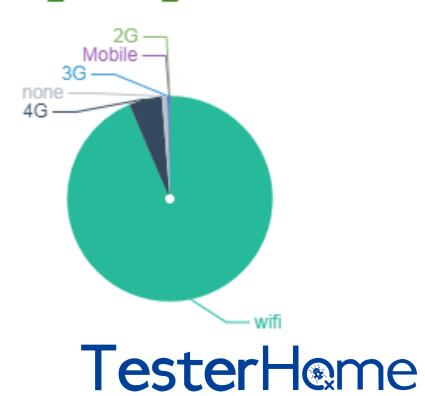


#### 错误分布

#### Android系统

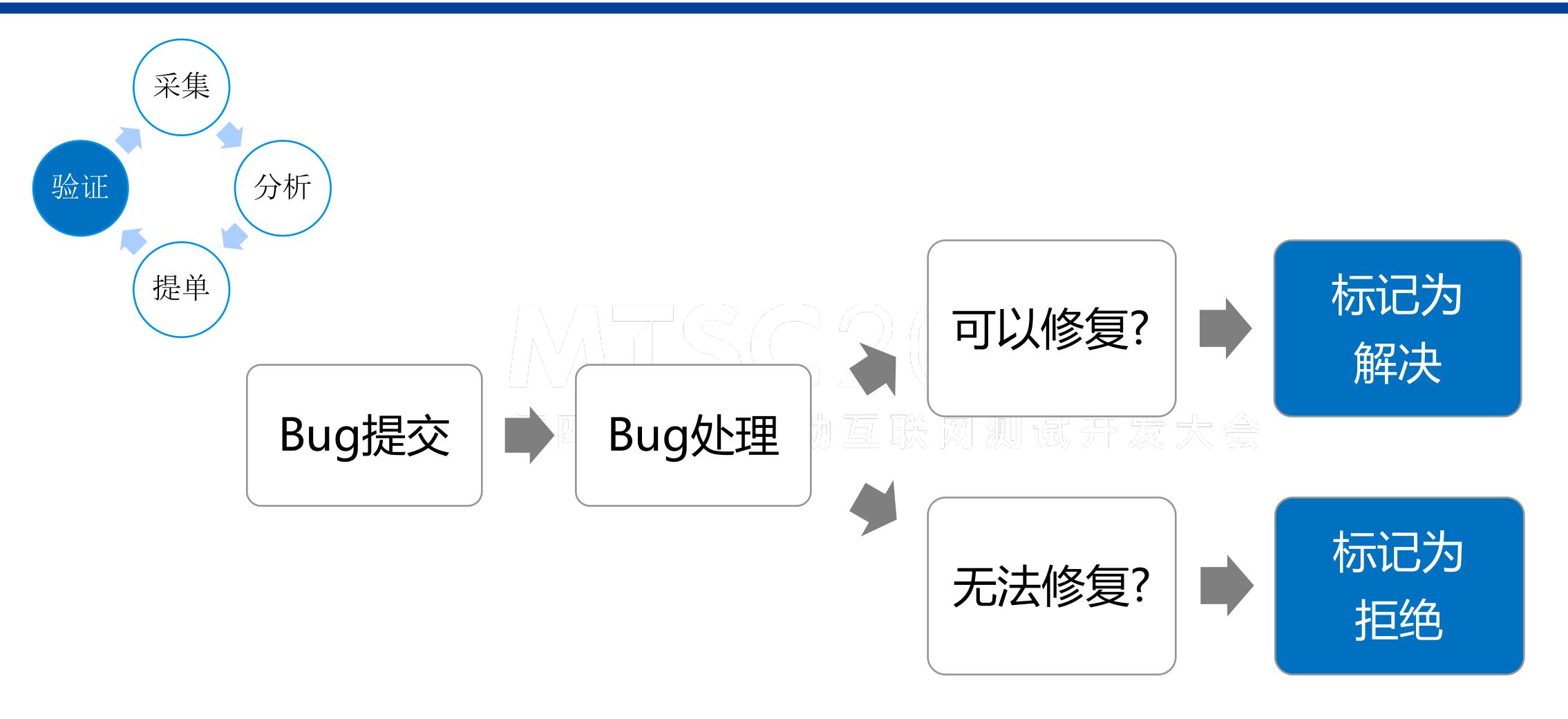


#### connect\_network\_dis

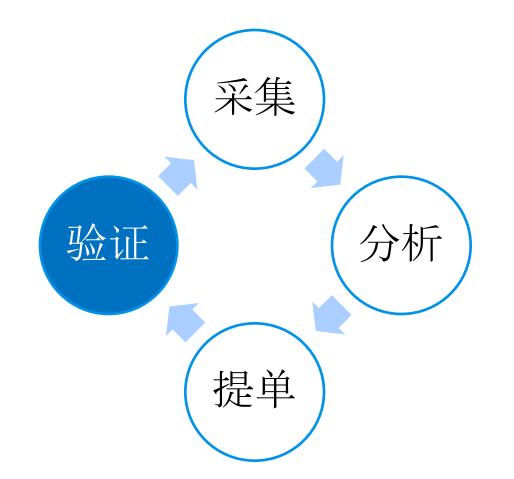


#### 案例 - 卡顿

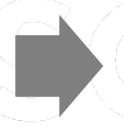




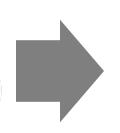




验证已解决的问题



遍历新上报的 问题



已解决的调用 栈是否再次出 现?



Bug验证为 修复成功!

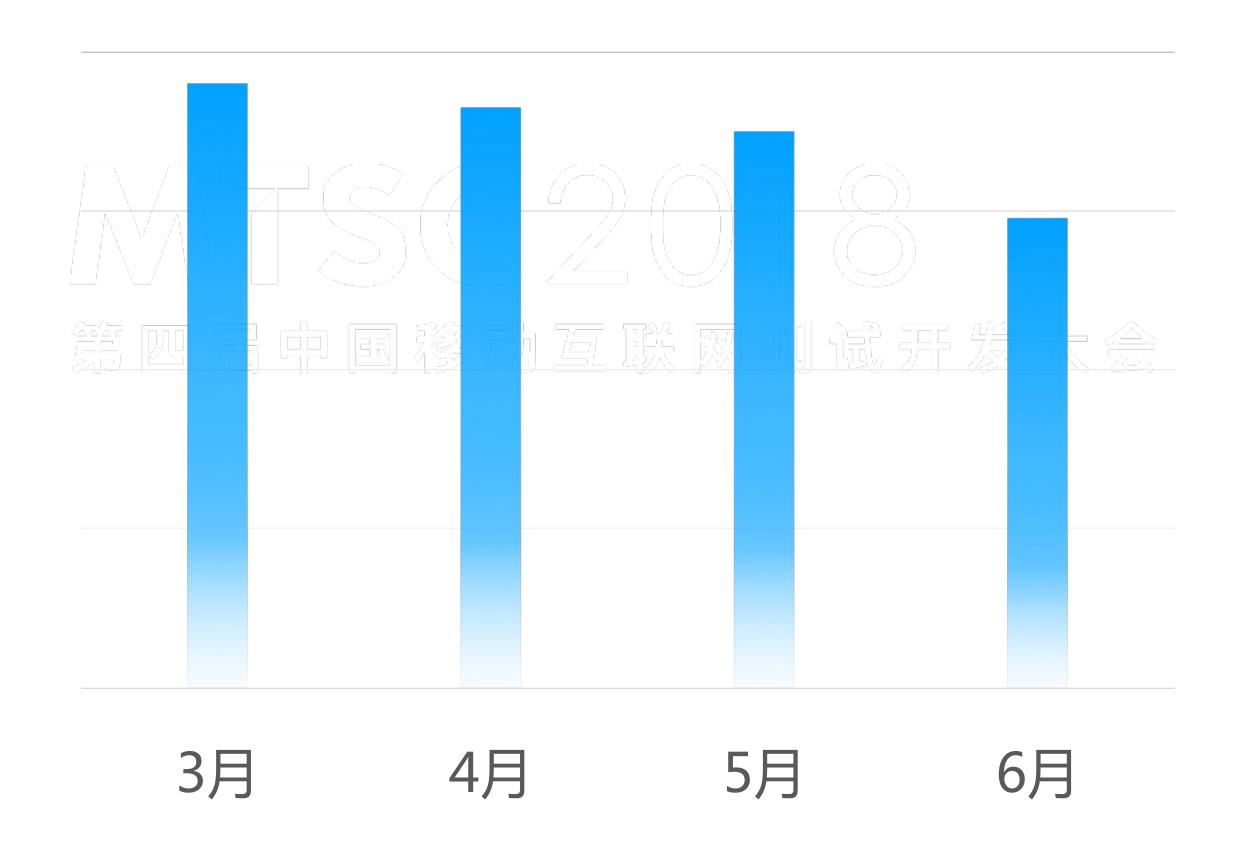


已解决的调用 栈没有出现



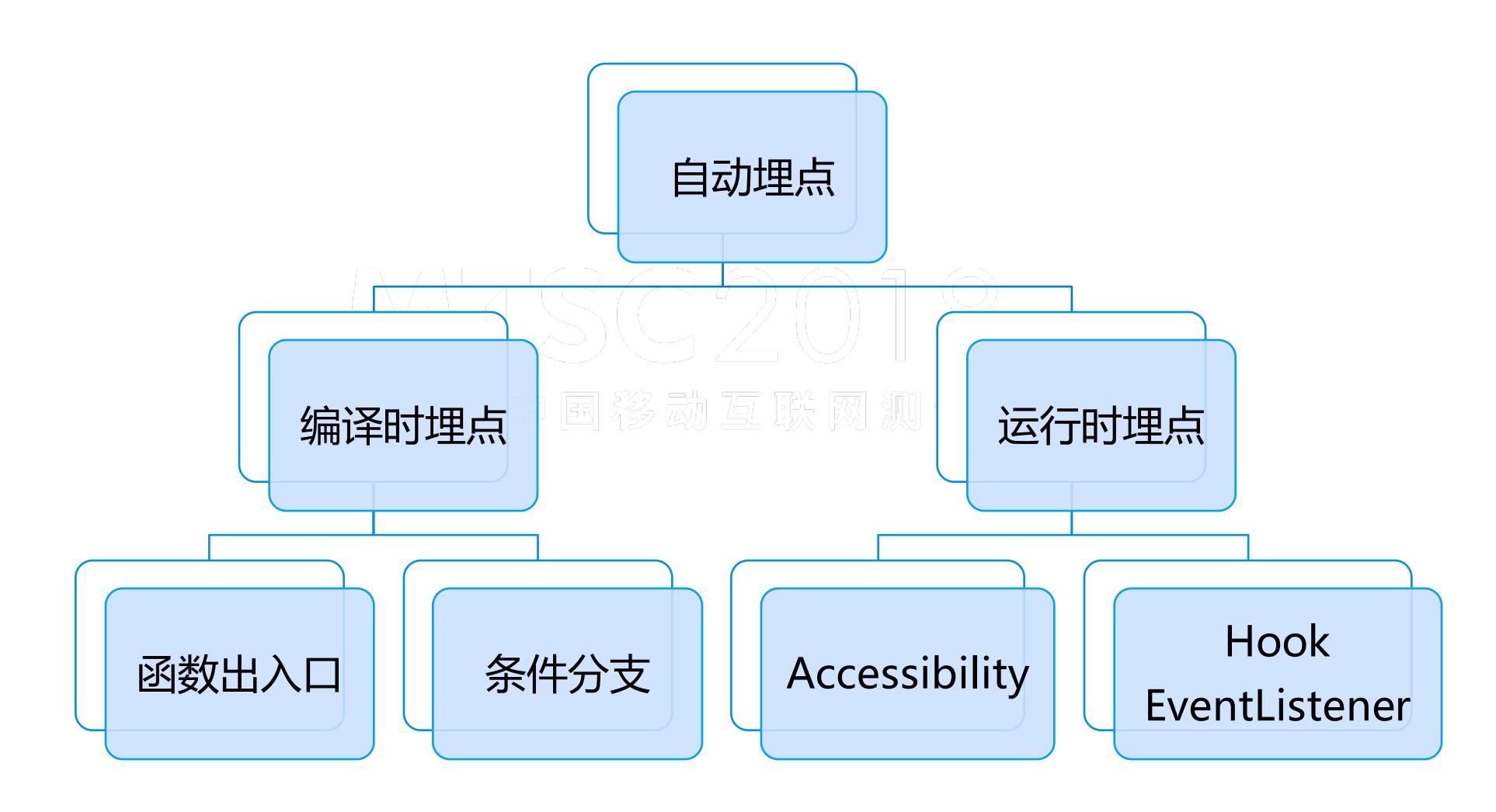


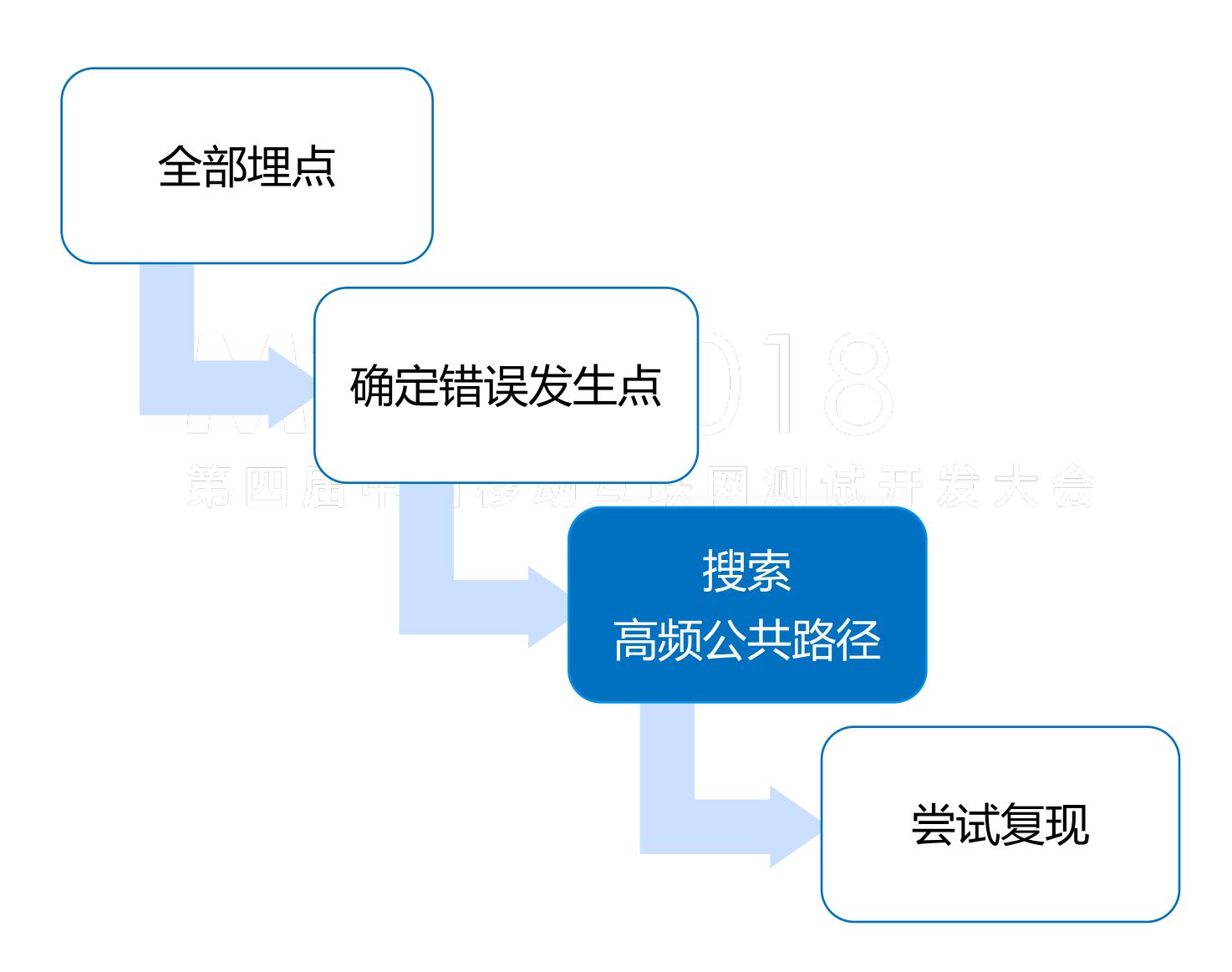
卡顿上报率



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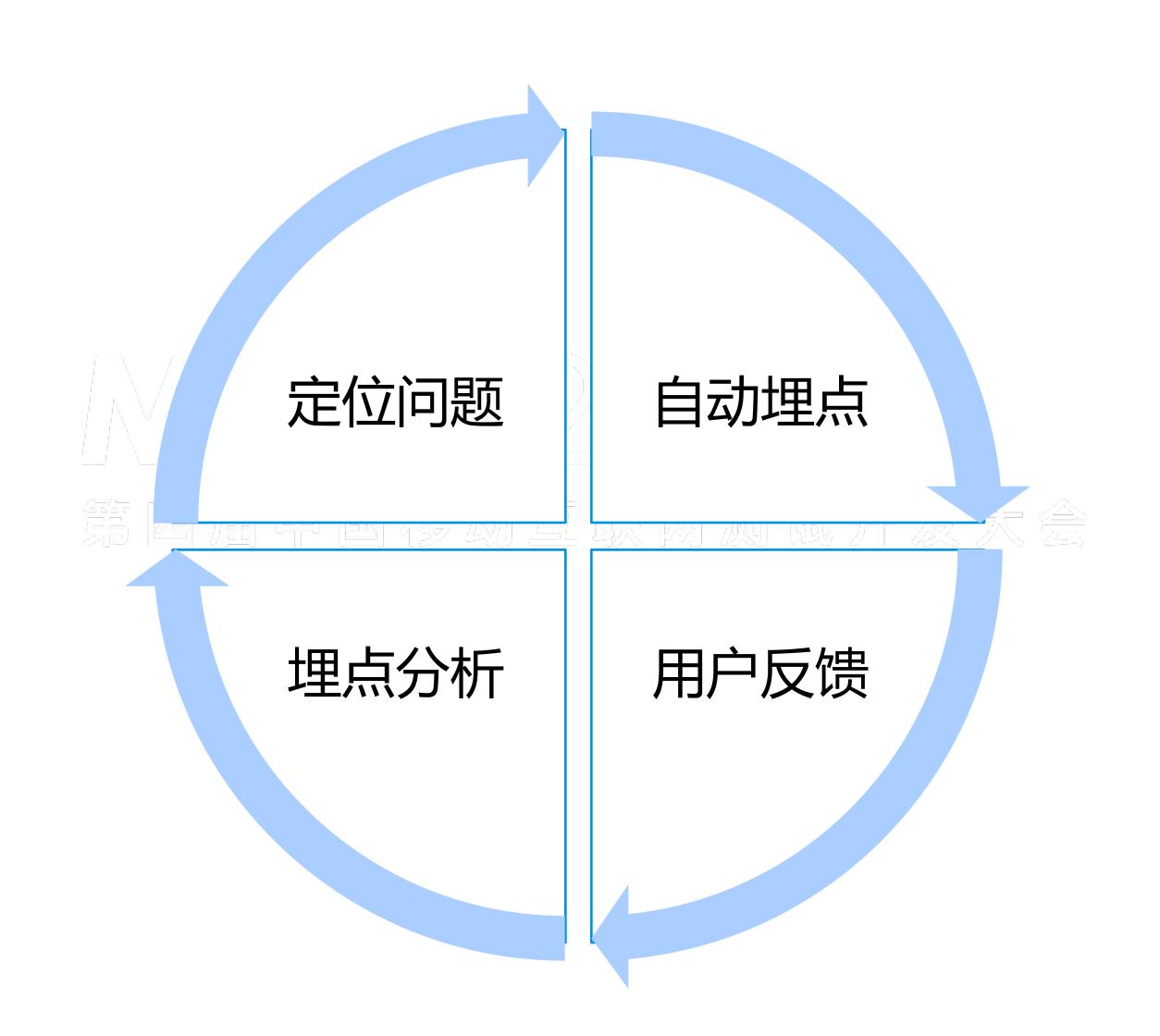




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[press (back) RLE
[press (back) at
744,96 CRLE
[press (back) [RLE
[press (back) RLE
[press](back) at "Web
VFEDHVC. .F.... 0,0-1080,170
[press (back) RLE
[press (back) at "Web
VFEDHVC. .F.... 0,0-1080,170
[press (back) [RLE
[press (back) at "Web
VFEDHVC. .F.... 0,0-1080,170
```

连续按Back键

次数20次+





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