

因唯安全  
所以信赖  
唯与同行,智御未来

# 议题 移动设备指纹

Research on mobile device fingerprinting

主讲人: DY

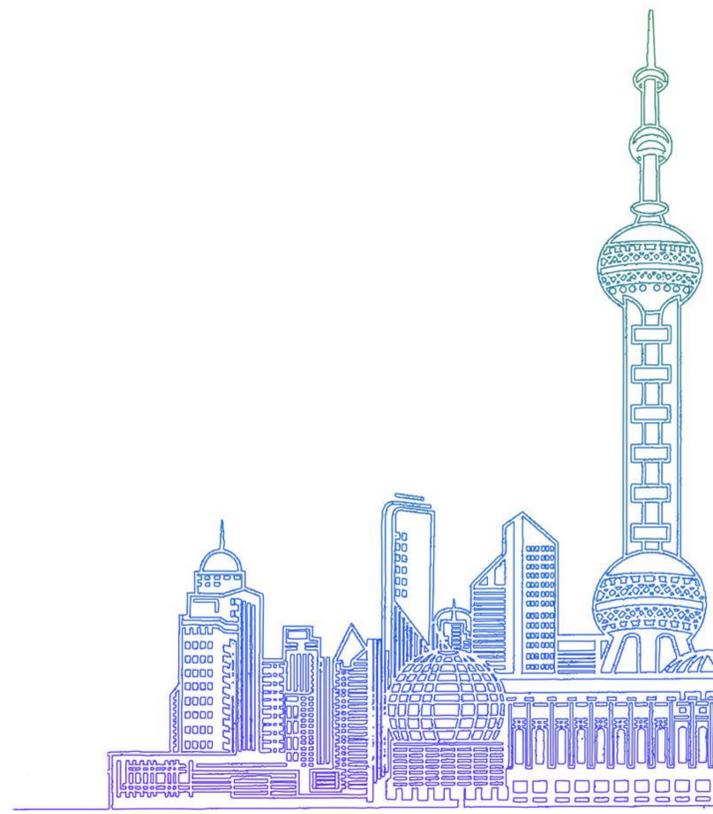
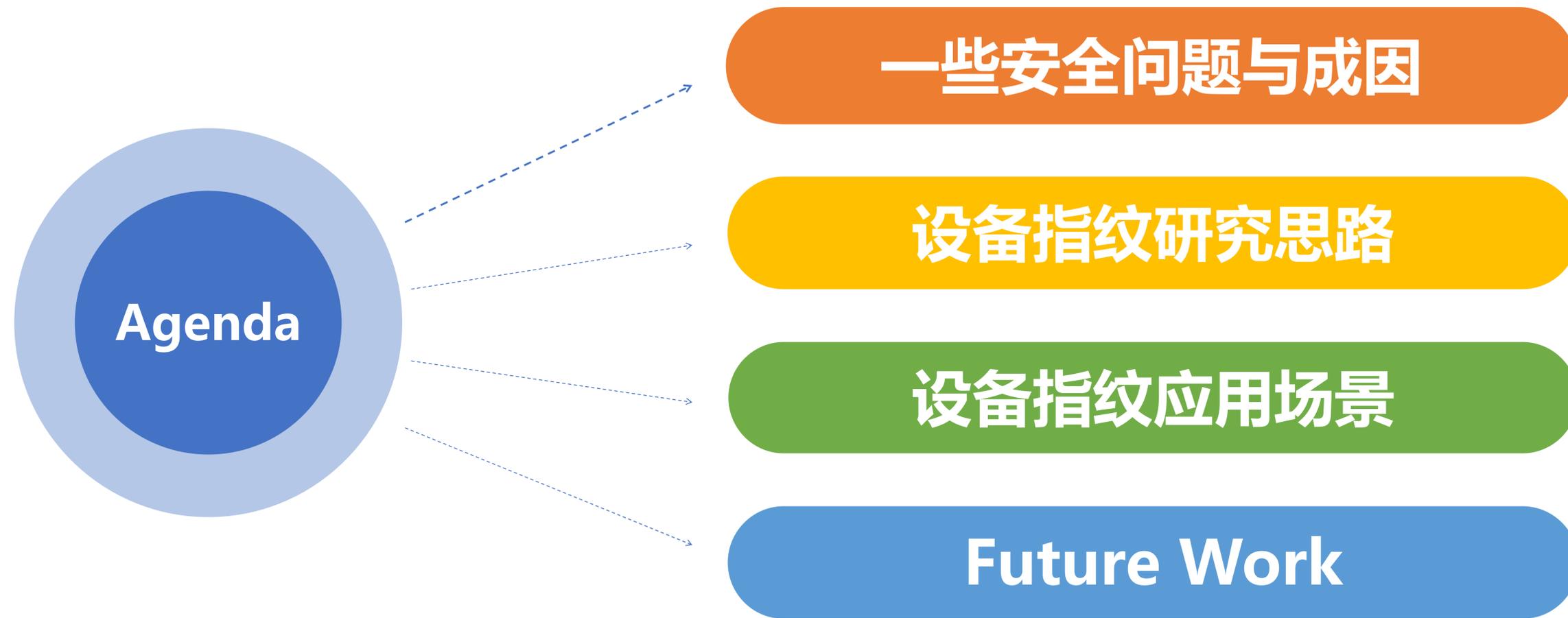
唯品会信息安全部

2018 唯品会第三届互联网电商安全峰会

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# 01 一些安全问题与成因



# 一些安全问题与成因

批量请求行为

客户端对抗

设备取证

More ...

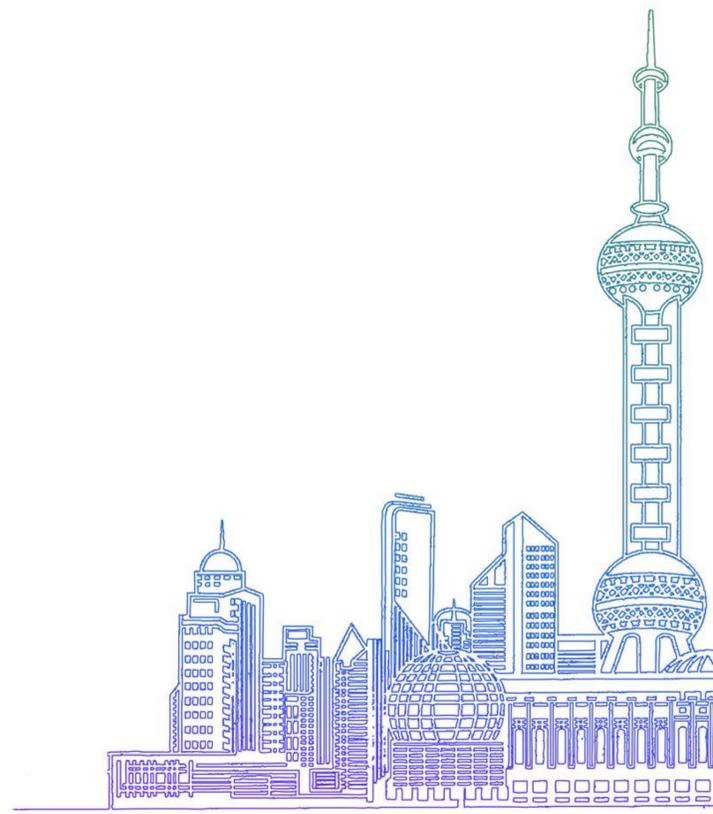
营销活动

登录注册体系



## 02

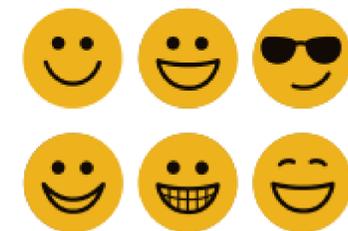
# 设备指纹研究思路



# 设备指纹概述



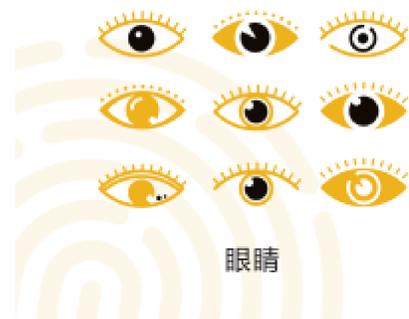
脸部



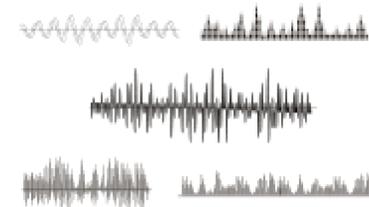
笑容



走路姿势



眼睛

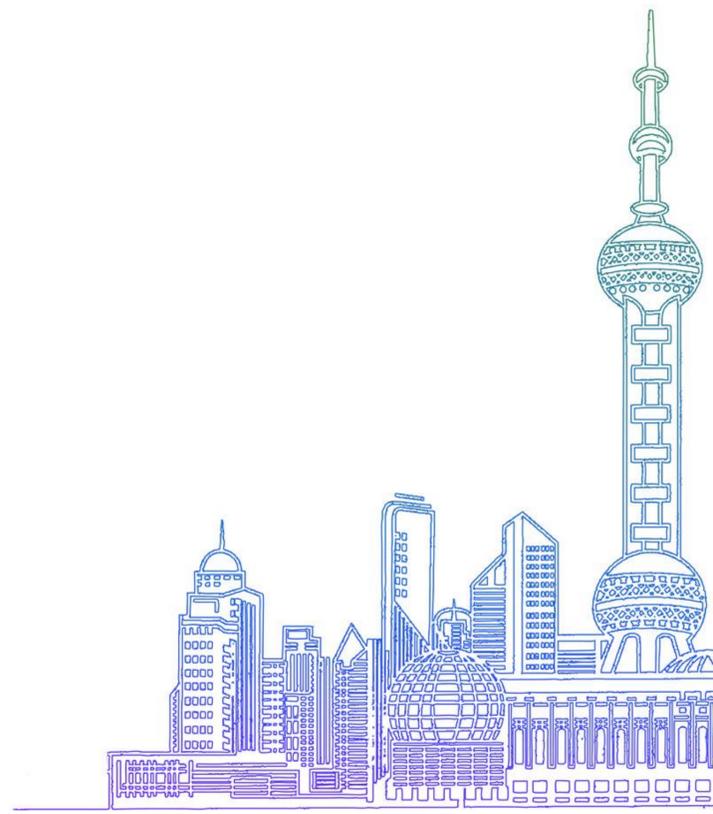


声音

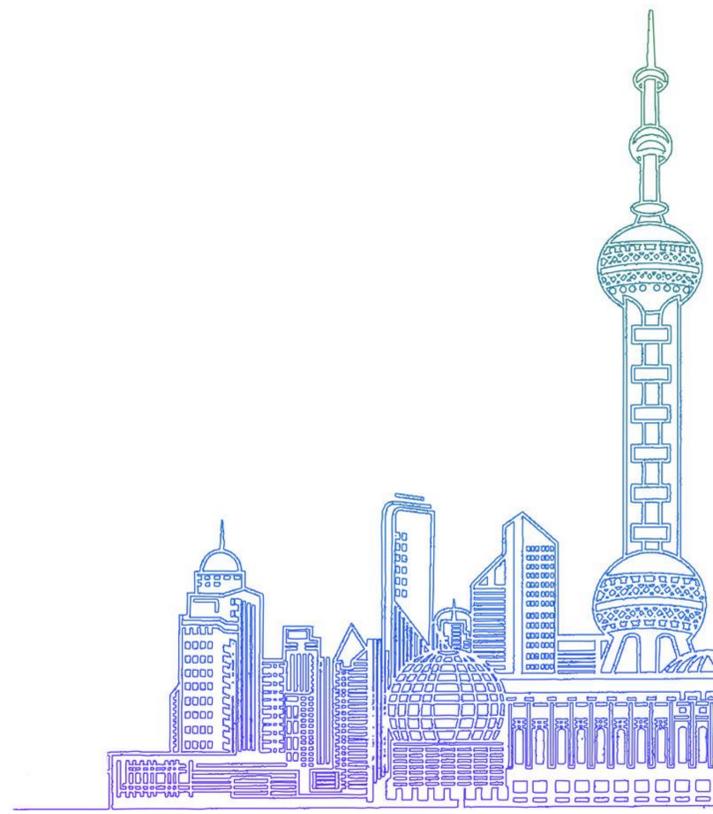
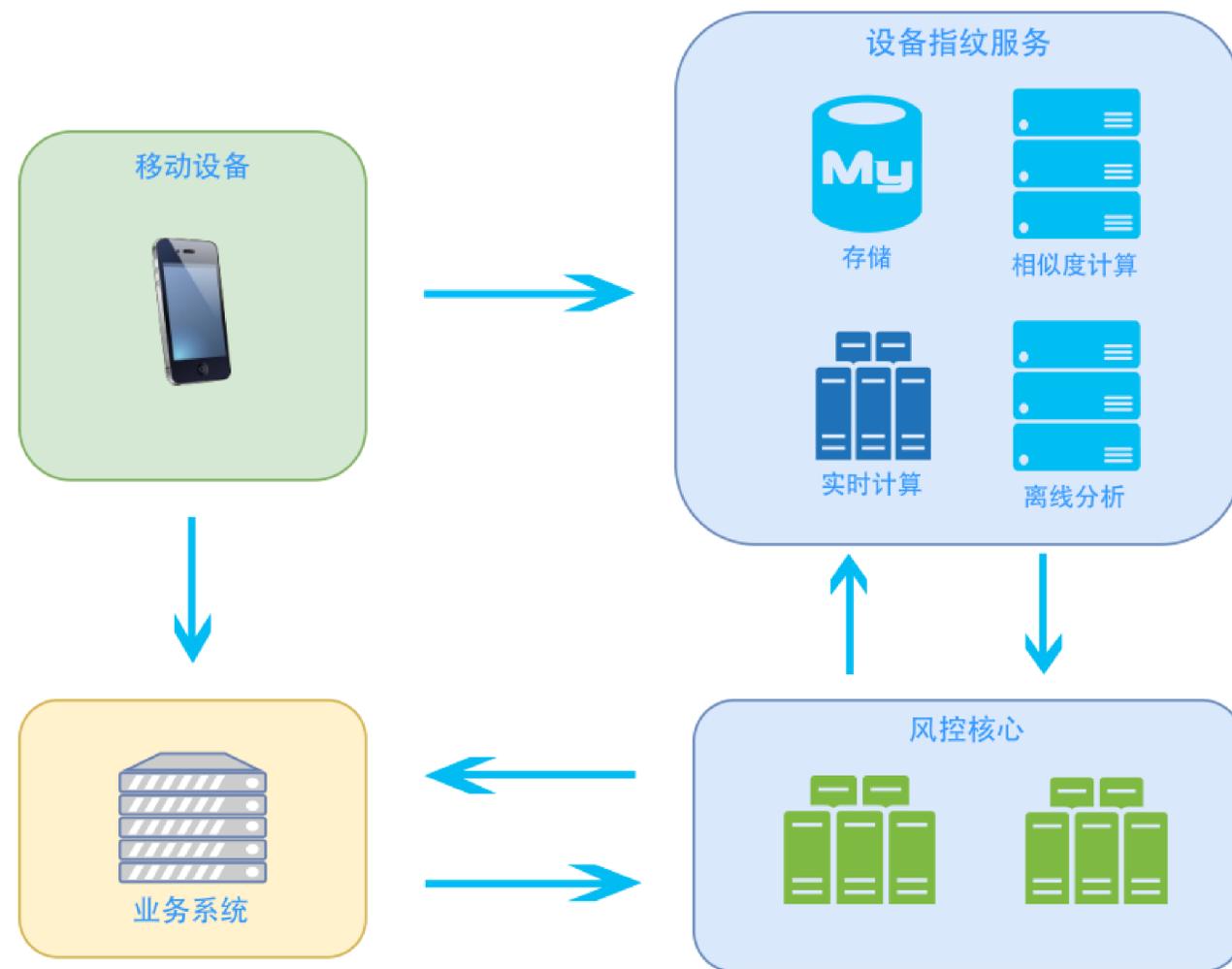


习惯

通过一组设备特征值唯一且相对稳定地映射一台设备



# 设备指纹系统数据流程

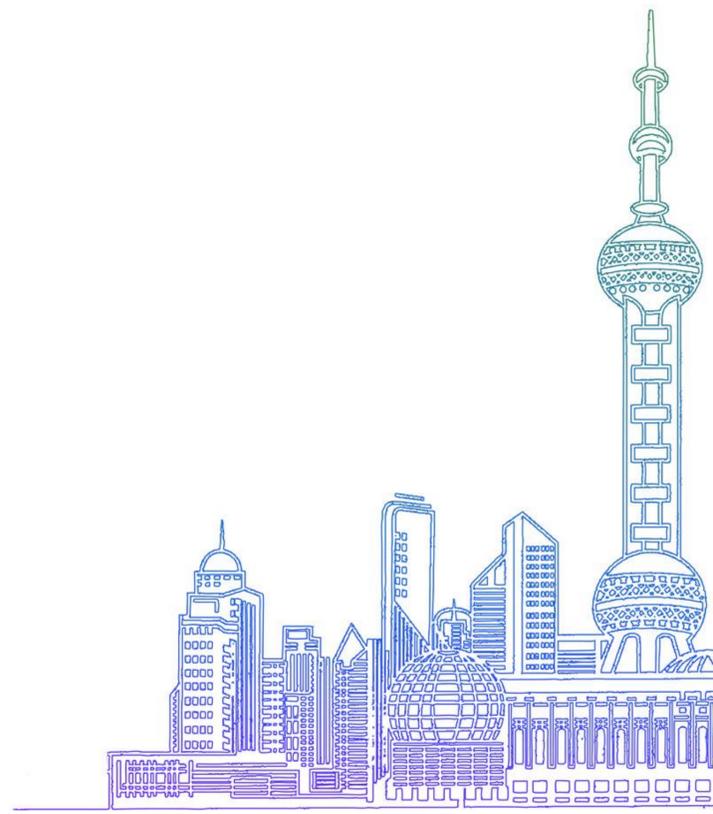


# 设备指纹后端逻辑简述

设备维度权重计算

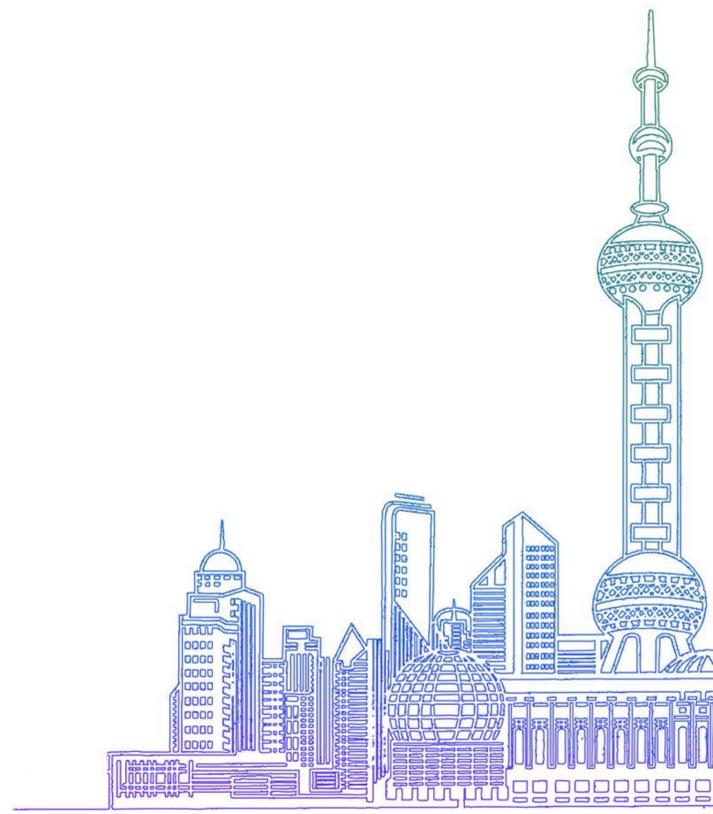
设备维度相似度计算

Threshold 临界值设定



# 03

## 设备指纹应用场景



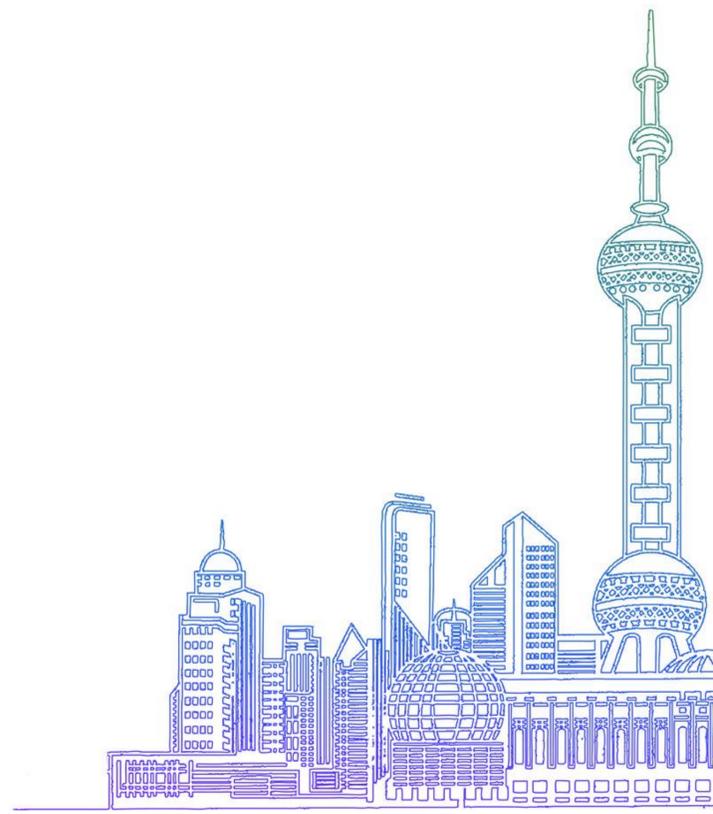
# 场景一：对抗批量请求

批量注册

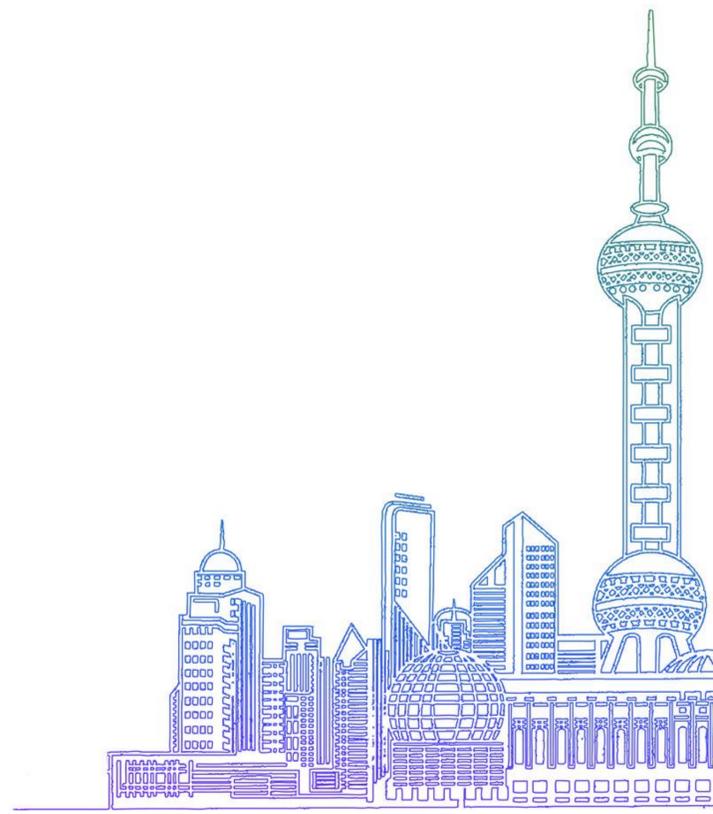
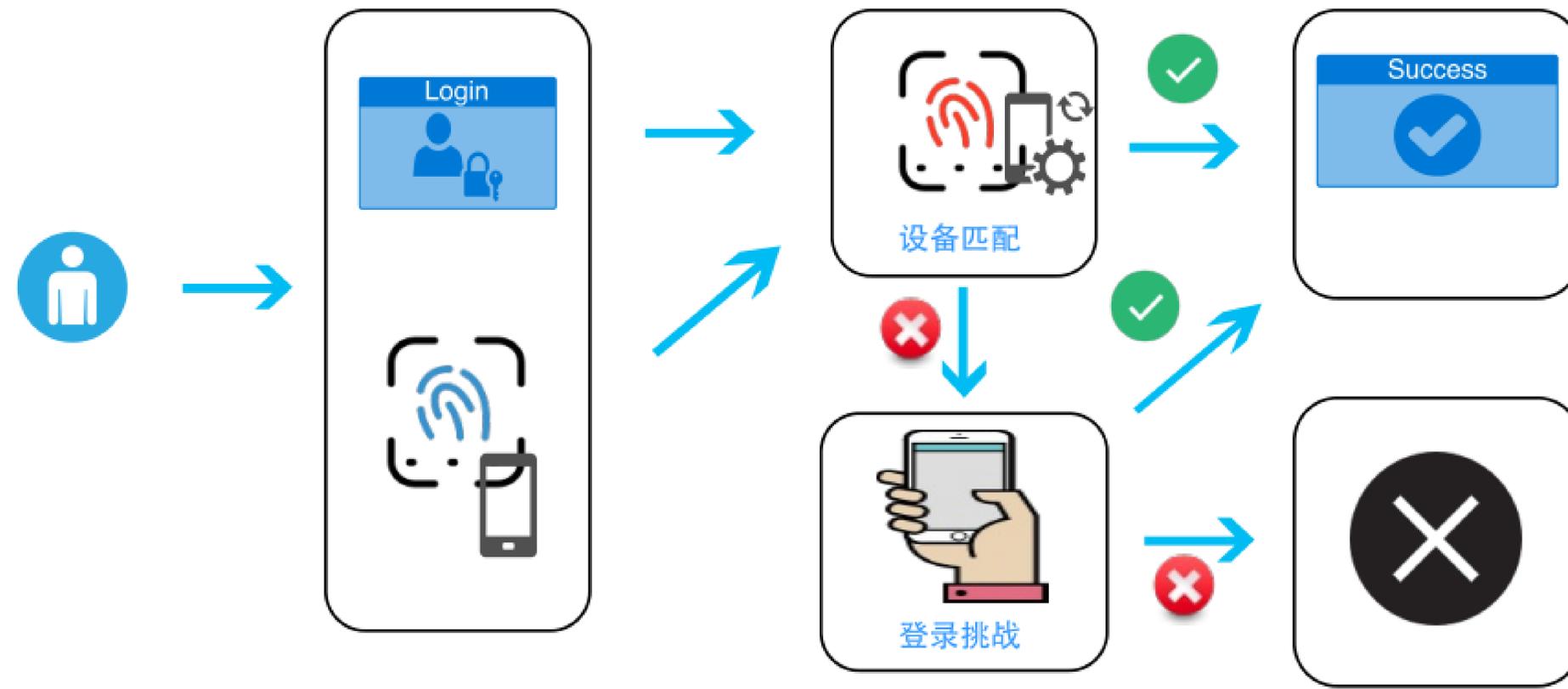
批量扫号

批量刷单

批量爬取



## 场景二：隐式双因素



# 场景三：构建可信环境体系



操作行为



生物指纹



设备指纹



用户处于可信环境



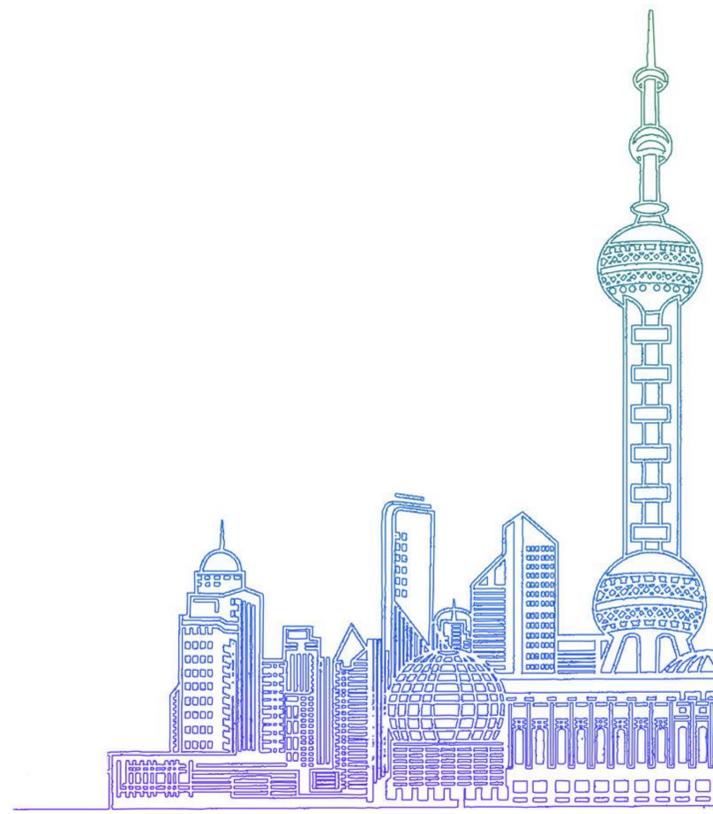
使用时间



地理位置



消费习惯与偏好



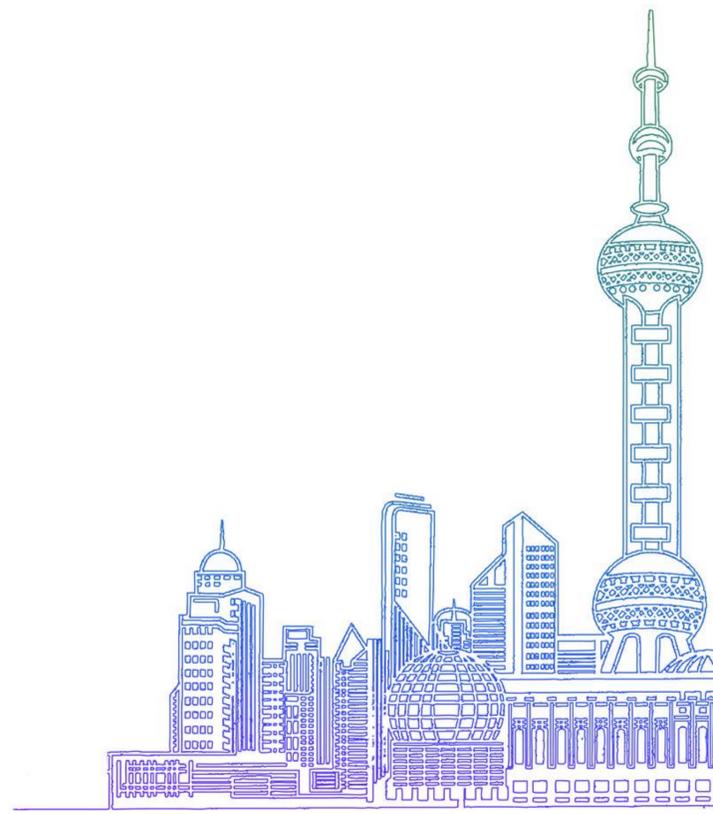
# 场景四：设备取证



设备入侵取证



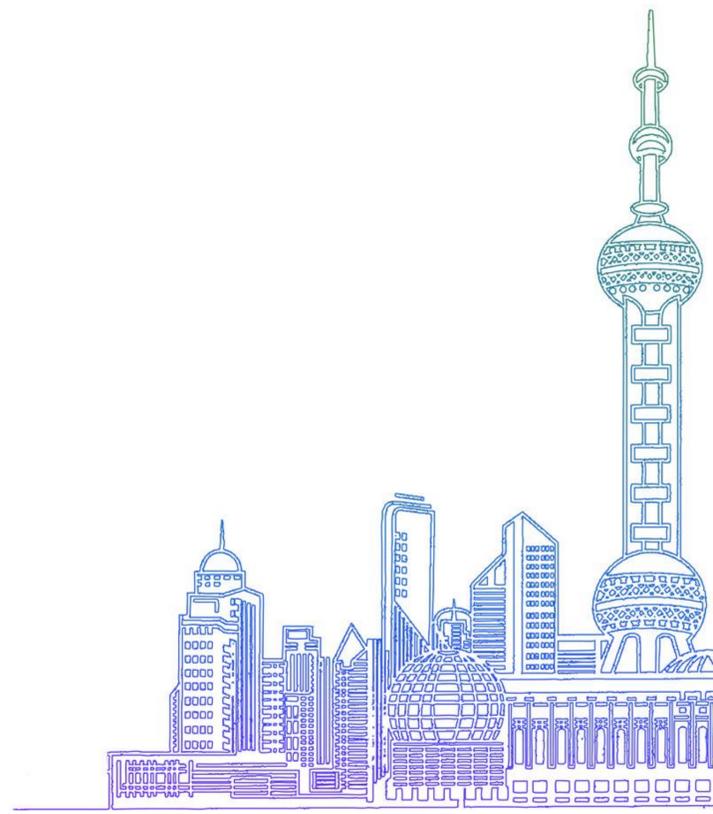
账户被盗取证



# 场景五：营销活动安全

营销活动白名单

营销活动黑名单



# 04 Future Work

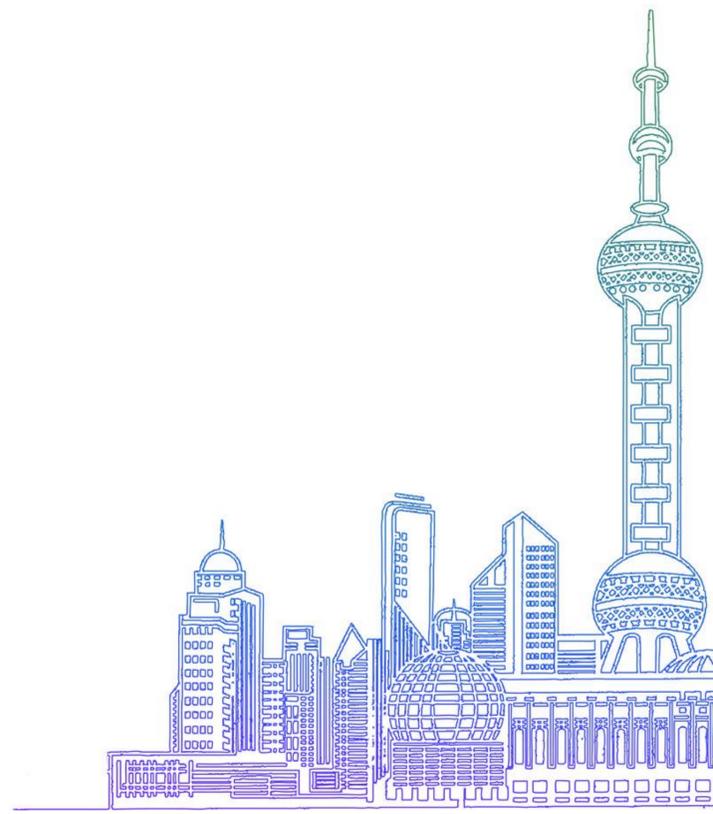


# Future Work

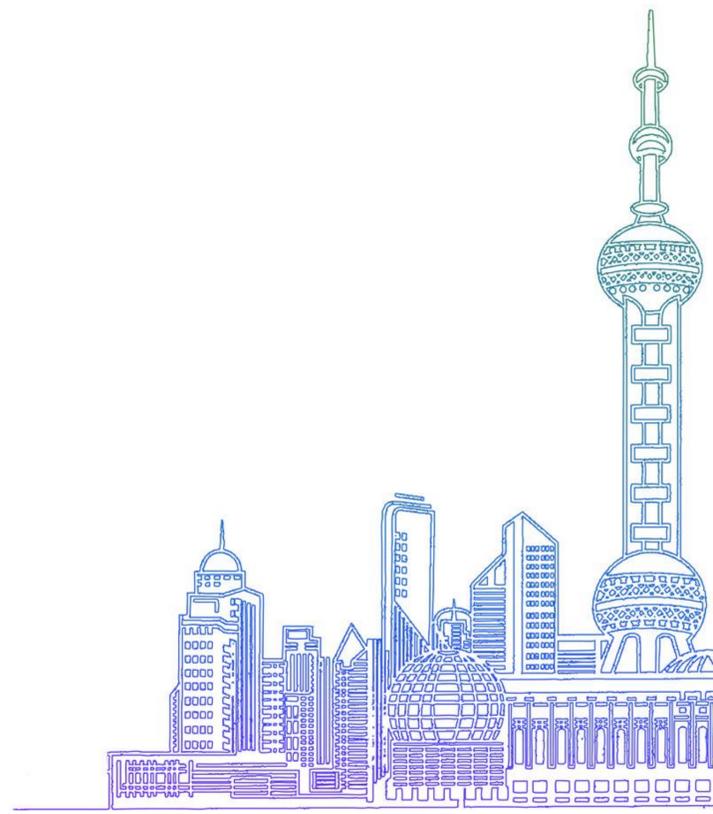
协议栈

行为识别

客户端对抗



# Q & A



# 谢谢观看！

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