

QCon 全球软件开发大会 【北京站】2016

百度移动开发平台最佳实践

Wolf---百度凤巢APP团队架构重组之路
李祎嵩 (*li yi song*)

QCon

2016.10.20~22
上海·宝华万豪酒店

全球软件开发大会 2016

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7折 优惠 (截至06月21日)
现在报名, 立省2040元/张



业务特点



架构演化



技术展望



业务特点



架构演化

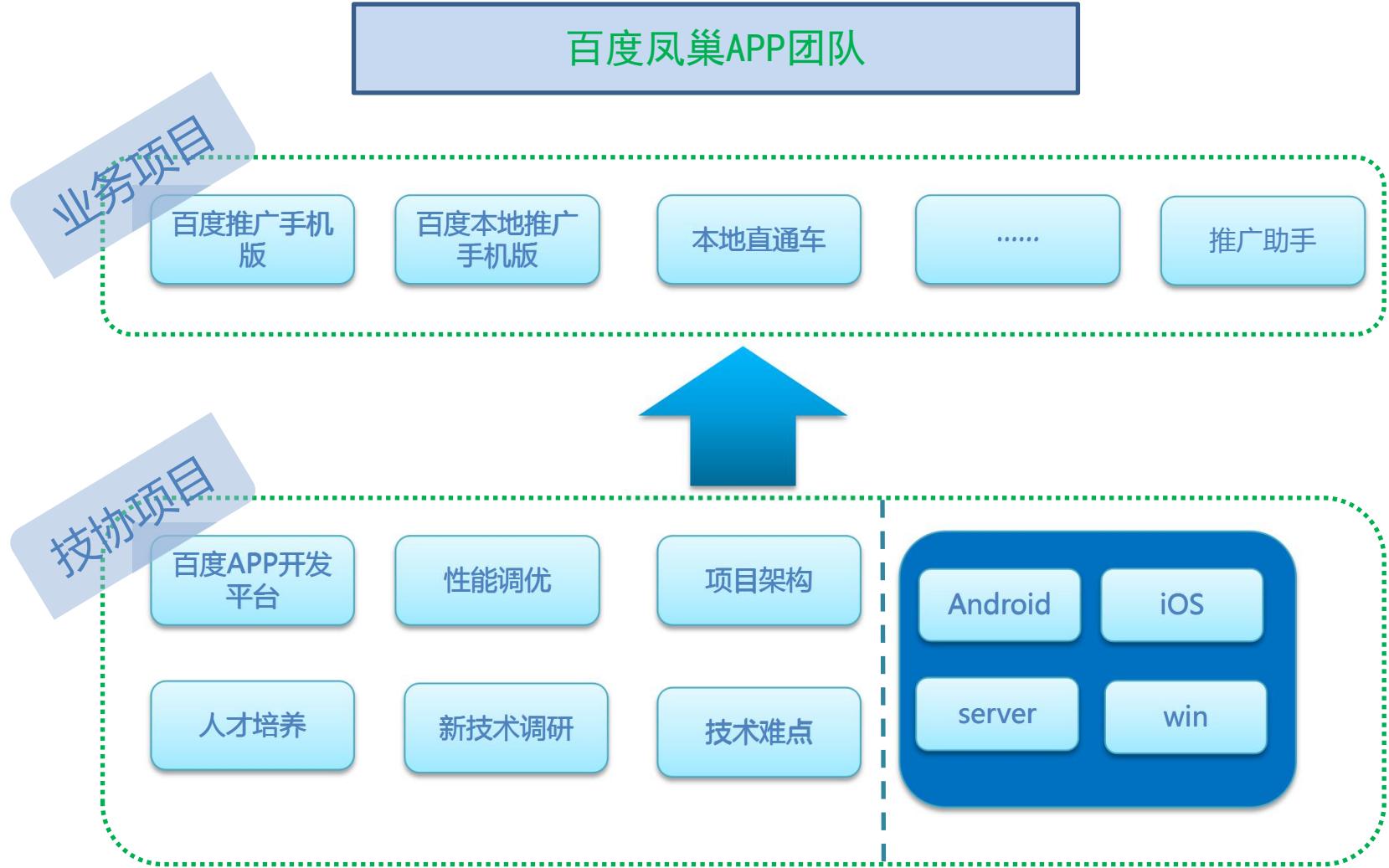


技术展望

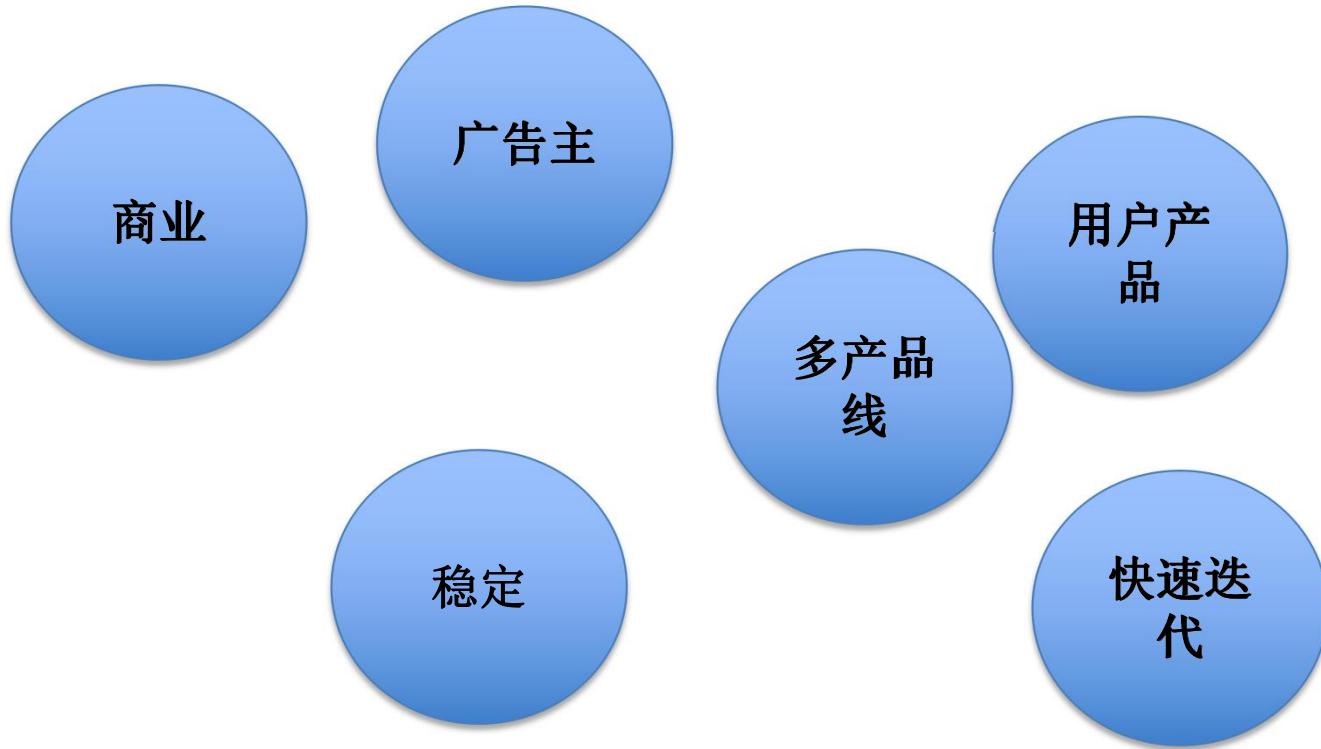


团队 & 业务

intro



产品线特点



工程结构

大型项目的基础功能占比



功能模块分布

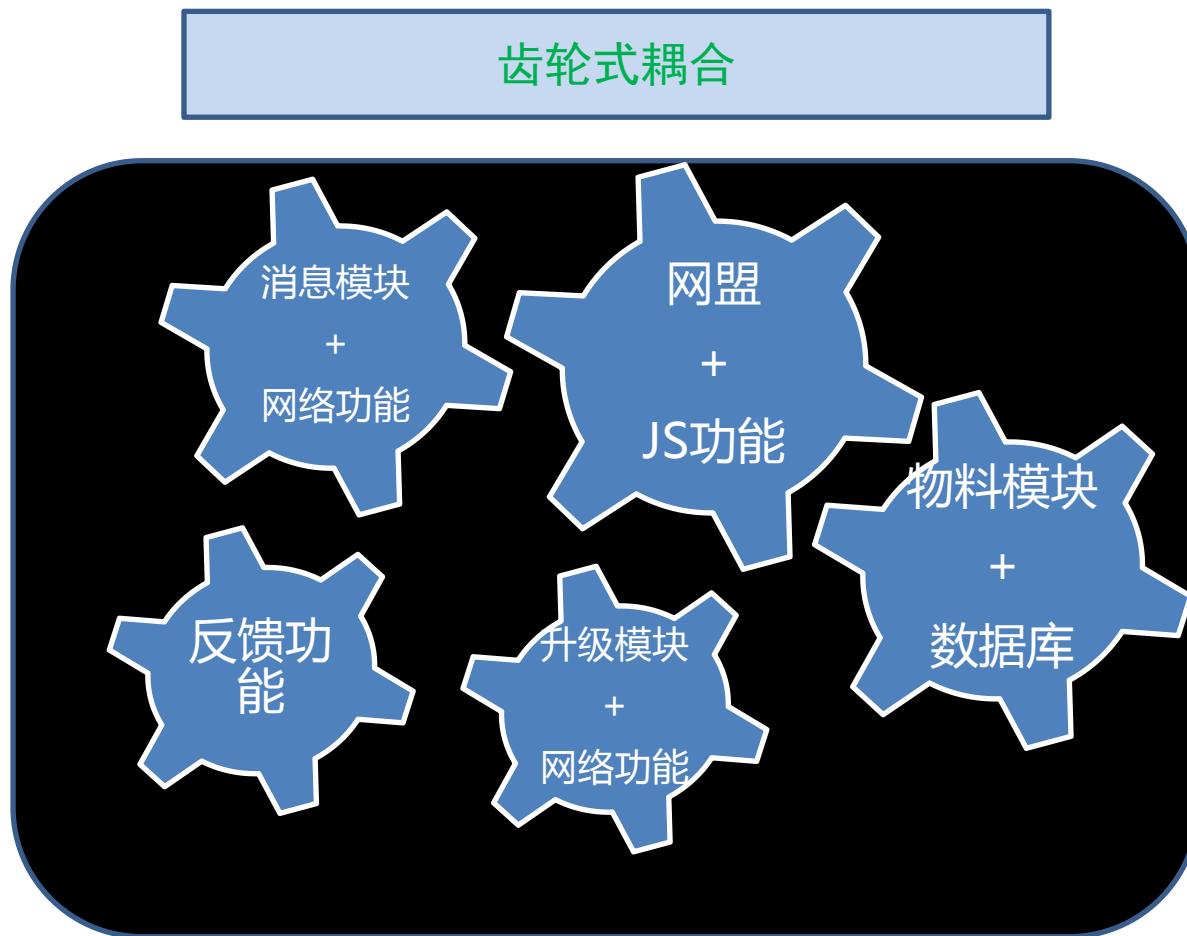
多个项目的冗余

android	网络	升级	数据库	反馈	推送	js
商用类APP	√	√	√	√	√	√
商用类APP	√	√		√	√	
用户类APP		√		√		√
用户类APP	√	√	√		√	

iOS	网络	升级	数据库	反馈	推送	js
商用类APP	√	√	√	√	√	√
用户类APP	√	√	√		√	

模块交互

模块间组织结构



线上问题

线上bug修复周期



所以.....

- 需要更加敏捷的开发模式
- 需要真正的解耦
- 需要清洗多产品线的冗余结构
- 需要快速响应线上bug





业务特点



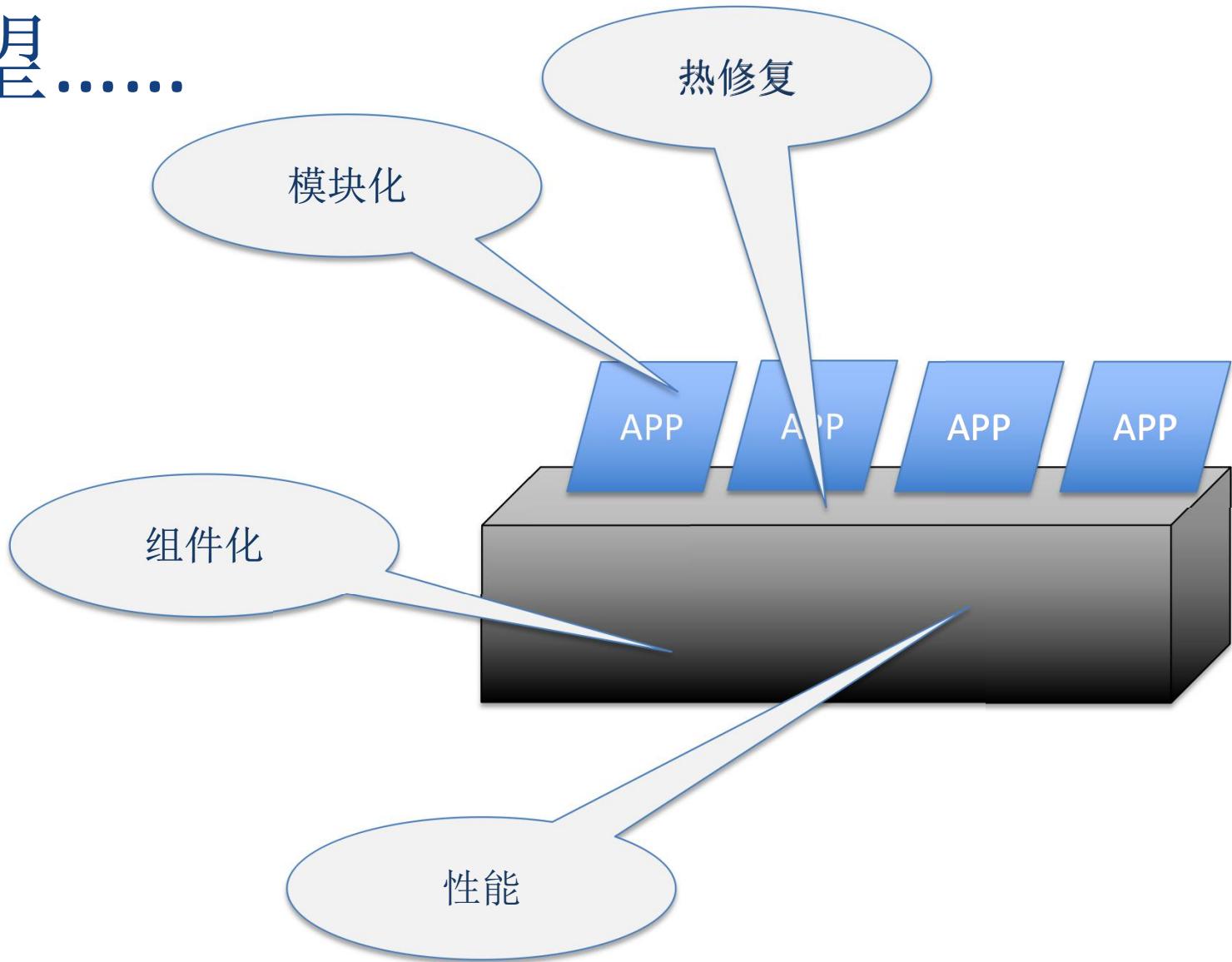
架构演化



技术展望

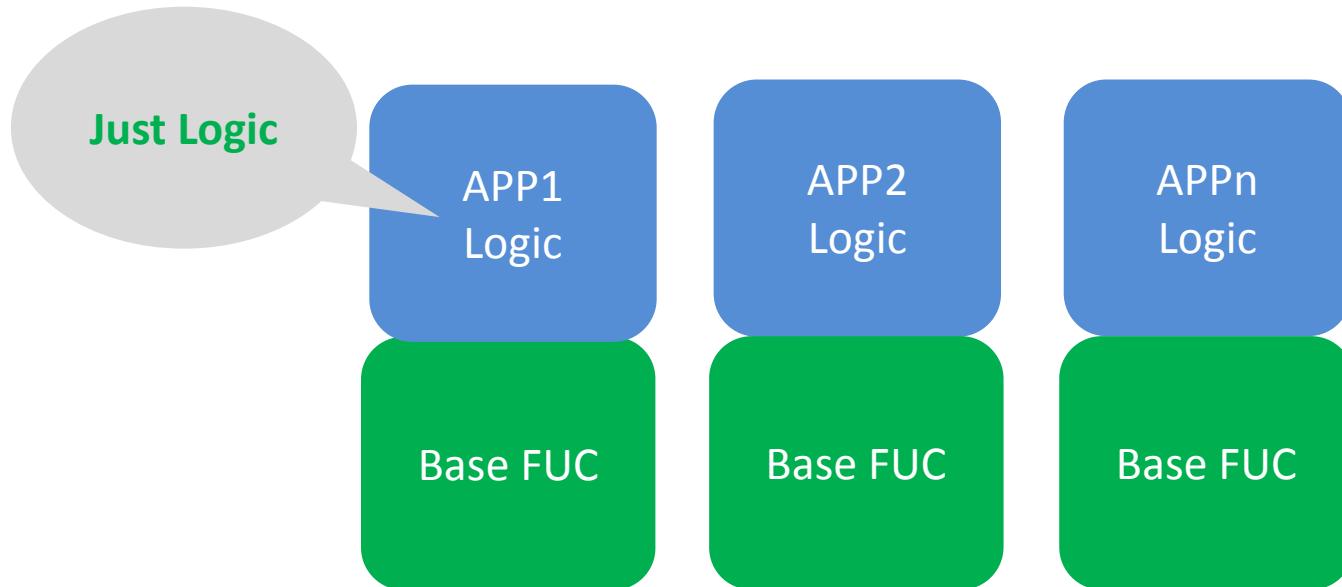
百度移动 开发平台

希望.....

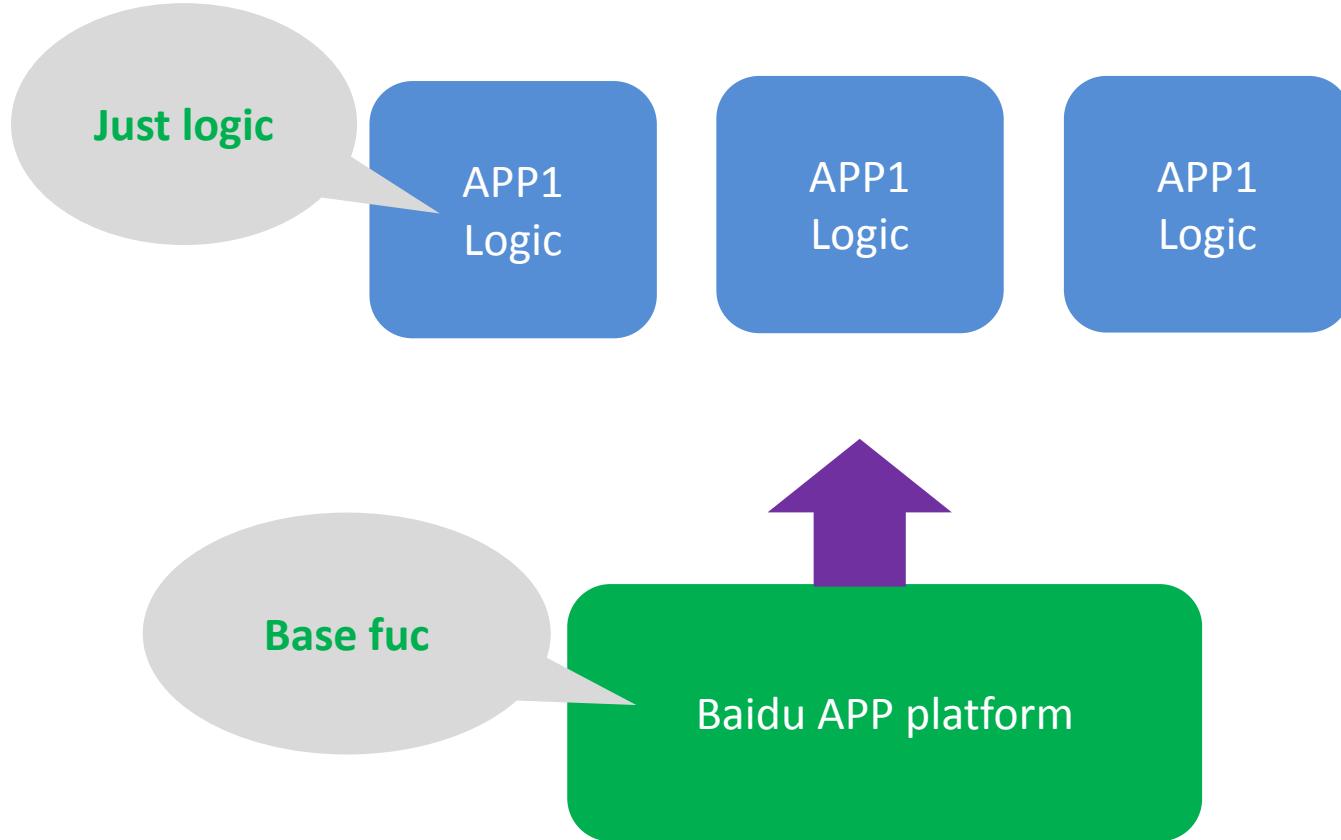


架构演化

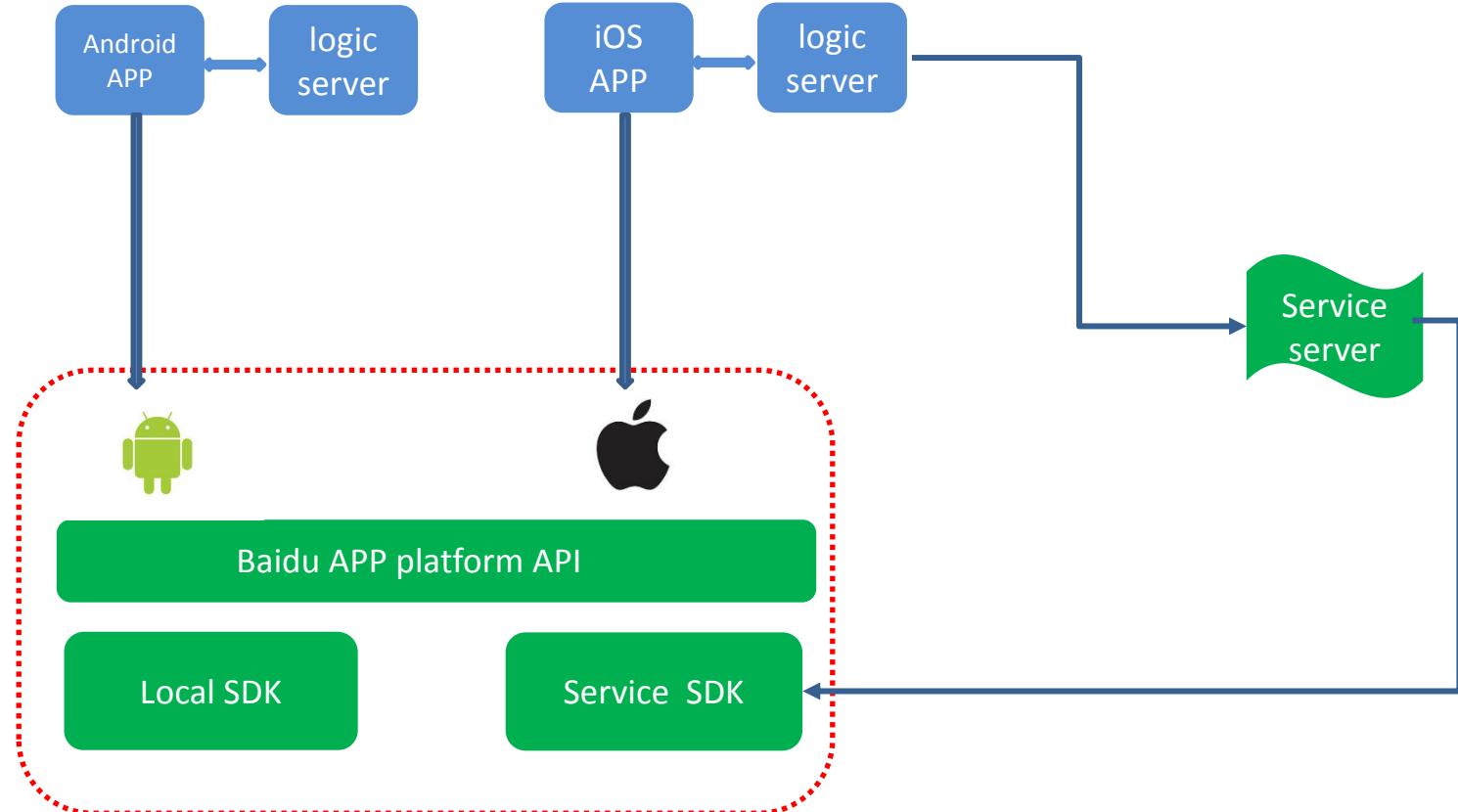
功能沉淀



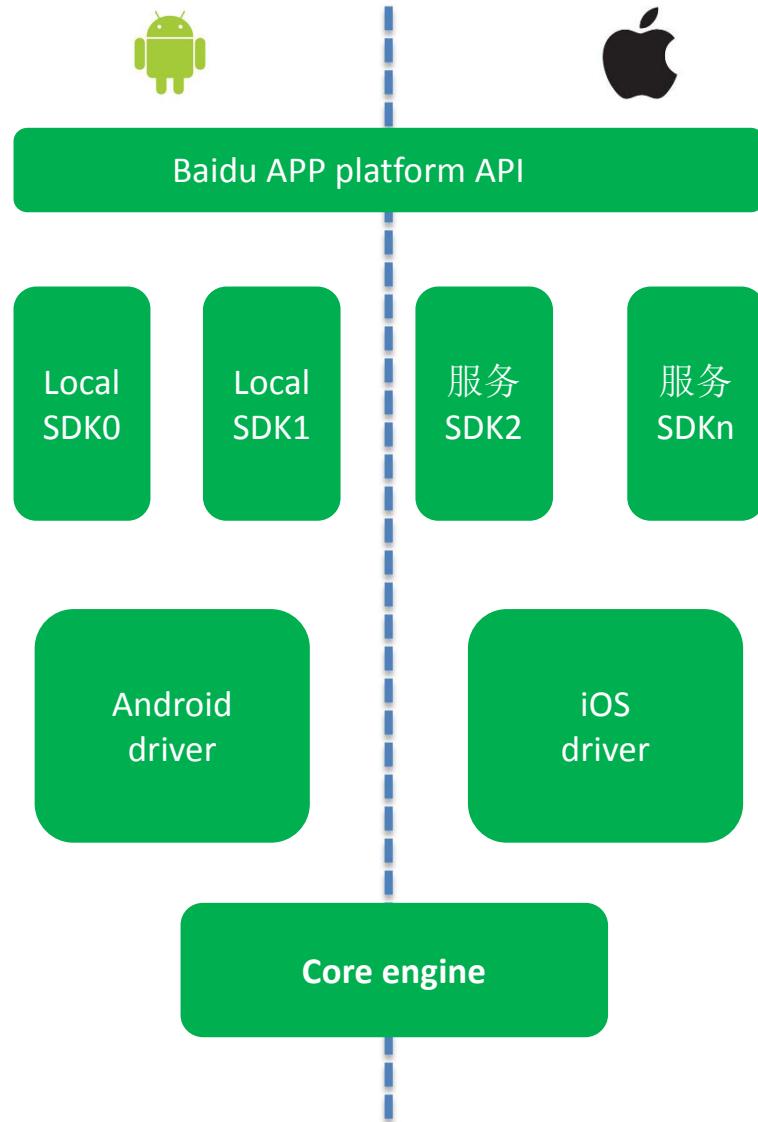
聚合抽离



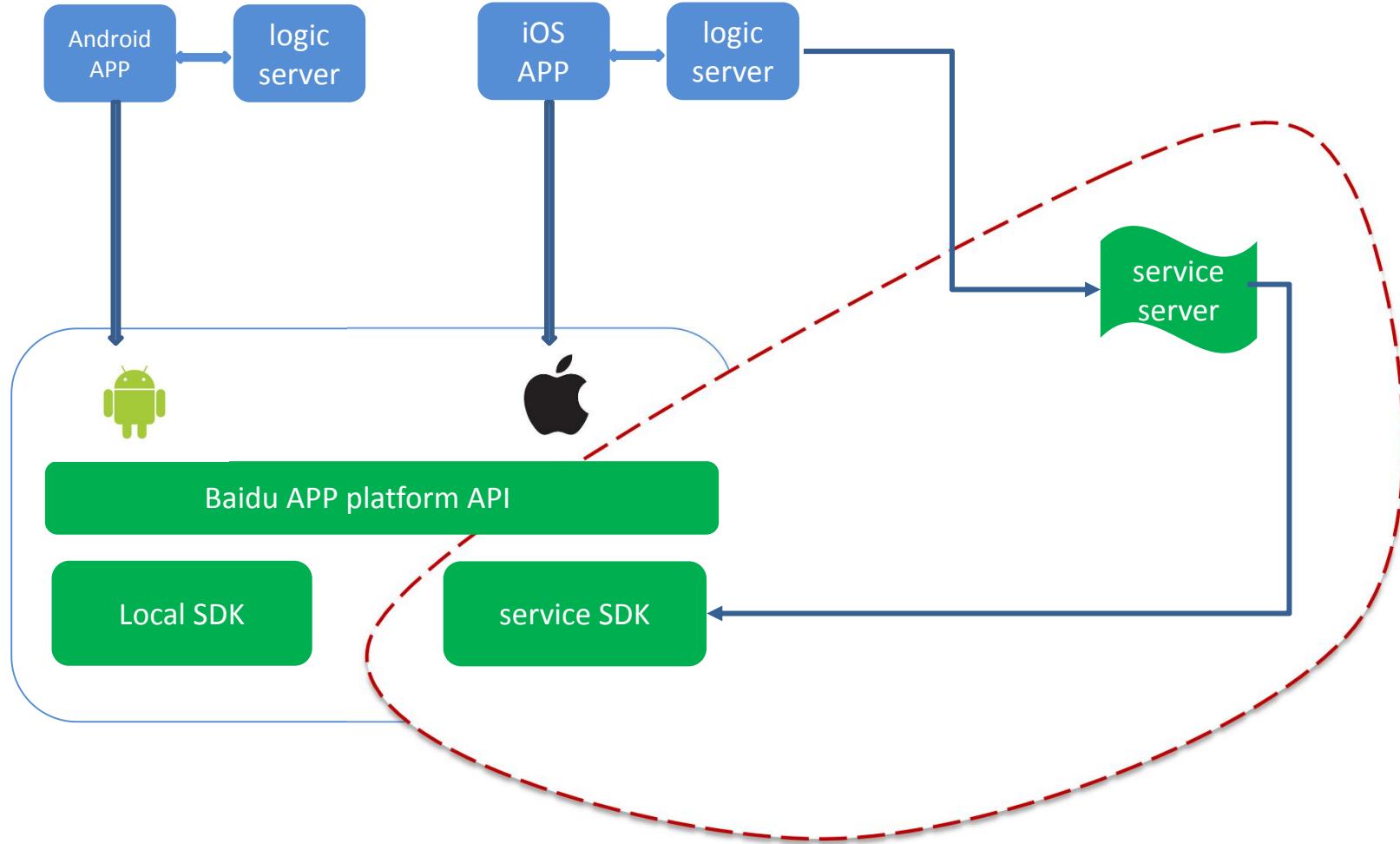
架构示意



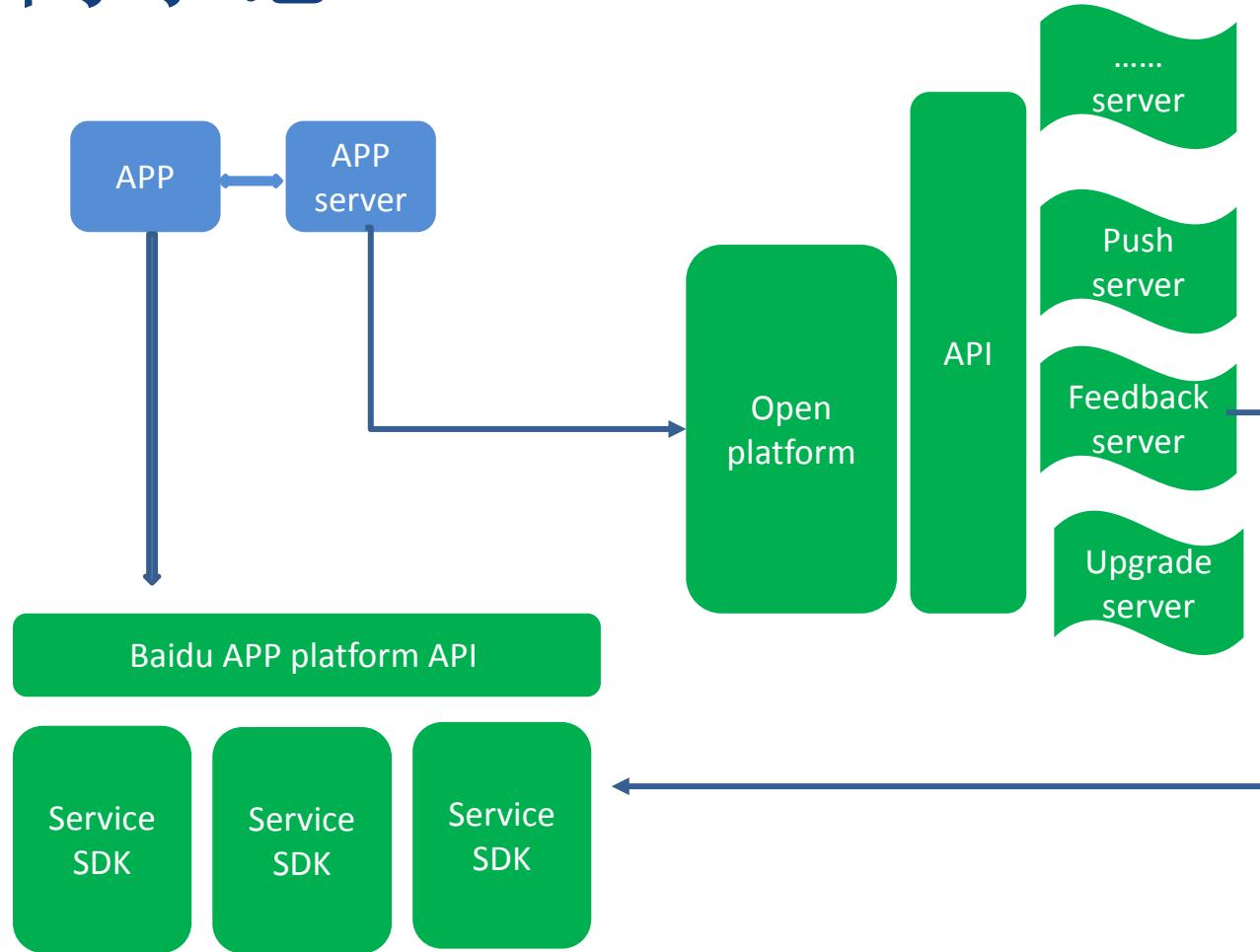
架构示意



架构示意

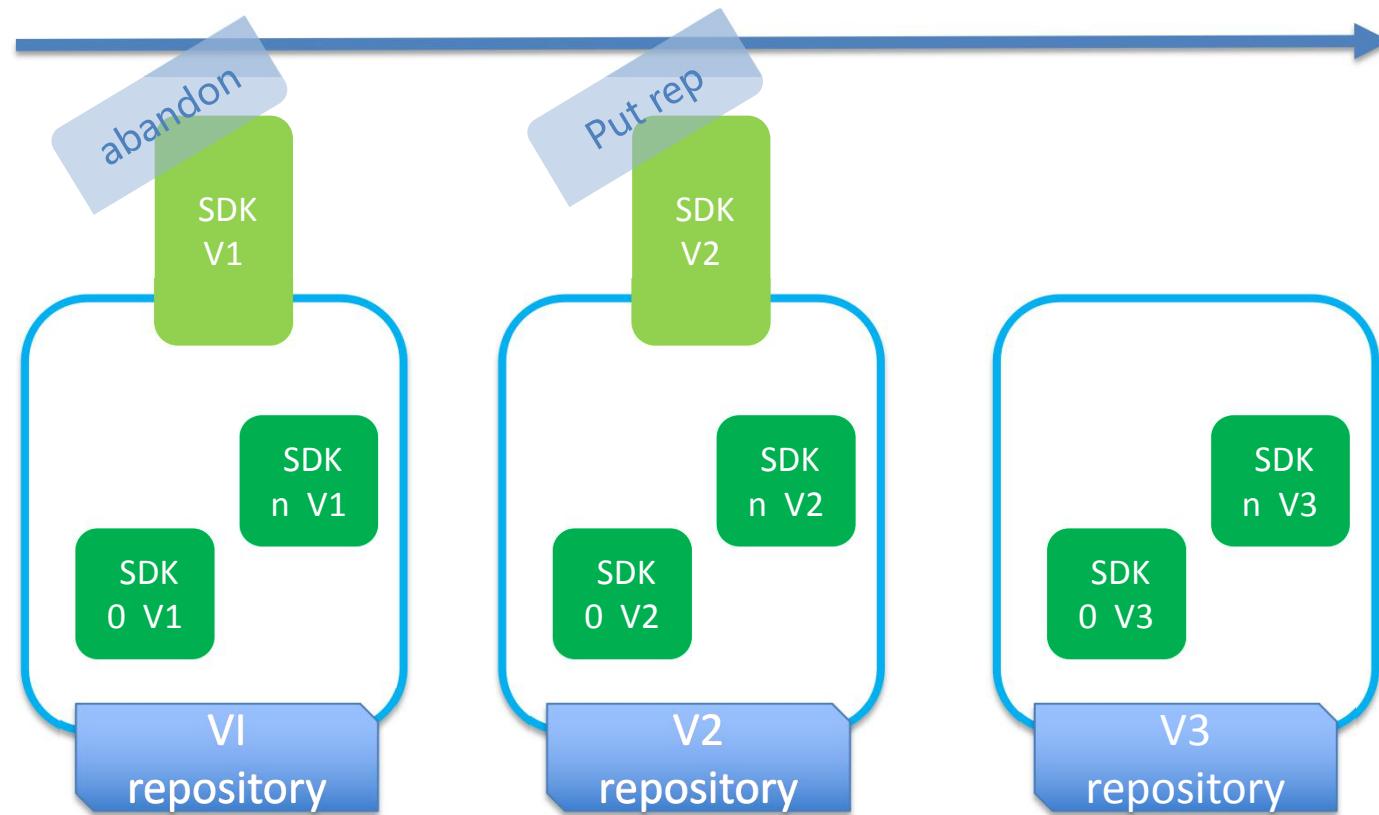


架构示意



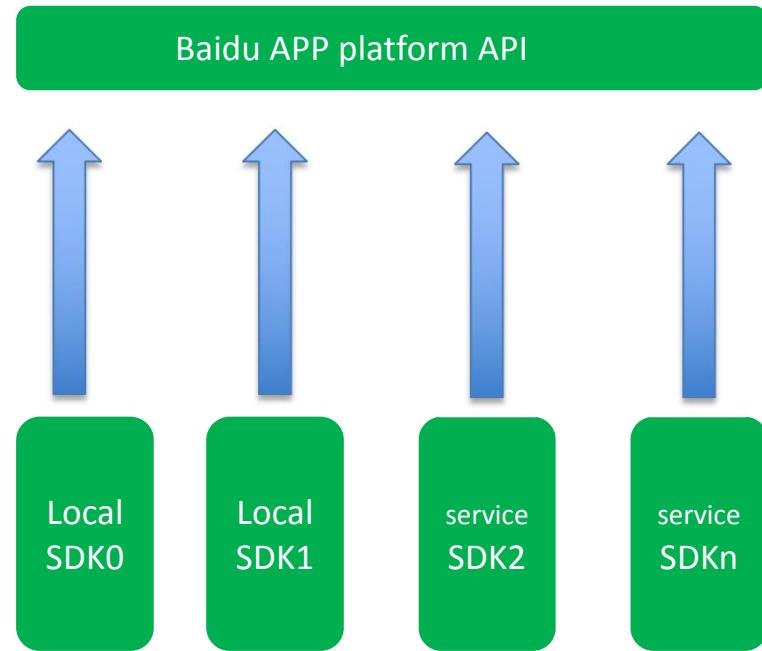
面对功能升级

SDK自我进化属性



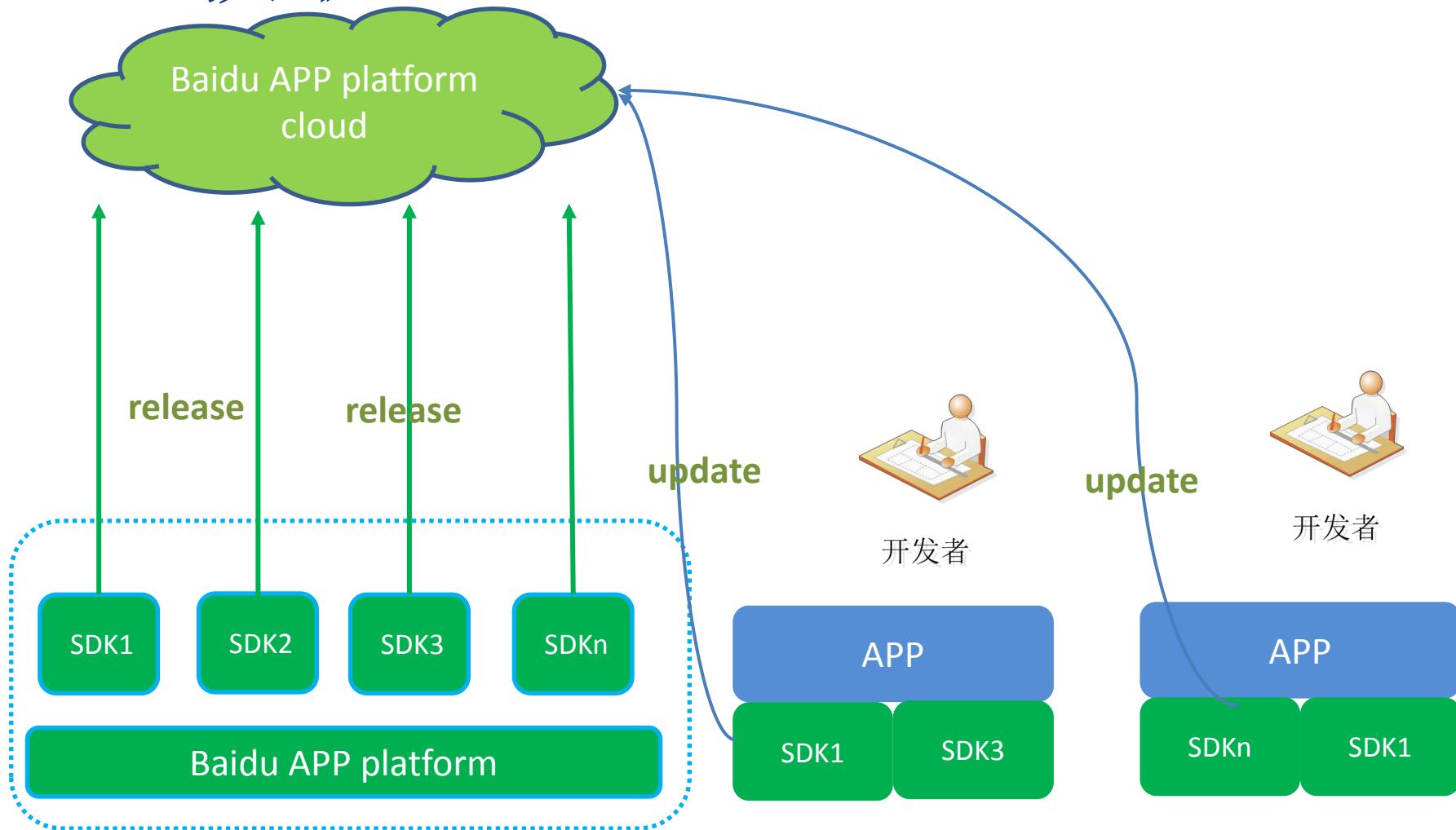
插件

SDK插件化



易用才是好的……

APP获取SDK



如何接入

➤ **开放平台**

➤ **接口文档**

注释规范

根据注释自动生成

➤ **用户手册**

使用场景与注意事项

markdown标准

➤ **Demo**

覆盖常用场景

注释说明

The screenshot shows a GitHub repository interface for the project 'mfc-ios / BCRequest'. The top navigation bar includes links for Home, Files (which is selected), Commits, Network, Graphs, Issues (0), Merge Requests, Wiki, Snippets, and Settings. A search bar at the top right says 'Search in this project'. Below the navigation is a dropdown menu showing 'master' and a 'bcrequest / +' button. On the right, there's a 'Download zip' button and a user icon.

Name	Last Update	Last Commit	history
BCRequest	2 days ago	liumeng BCRequest暴露	
demo	2 months ago	yanyufei Add docs	
docs	2 months ago	yanyufei Update Docs	
.gitignore	5 months ago	yanyufei initial checking	
BCRequest.podspec	16 days ago	yanyufei Add Reachability addons for support identify 4G	
BCRequestOpenSource.podspec	16 days ago	yanyufei Add Reachability addons for support identify 4G	
BCRequestOpenSource_iOS5.podspec	16 days ago	yanyufei Add Reachability addons for support identify 4G	
LICENSE	5 months ago	yanyufei initial checking	
README.md	2 months ago	yanyufei update readme	
docMaker.sh	2 months ago	yanyufei relocate docMaker	

README.md

BCRequest SDK

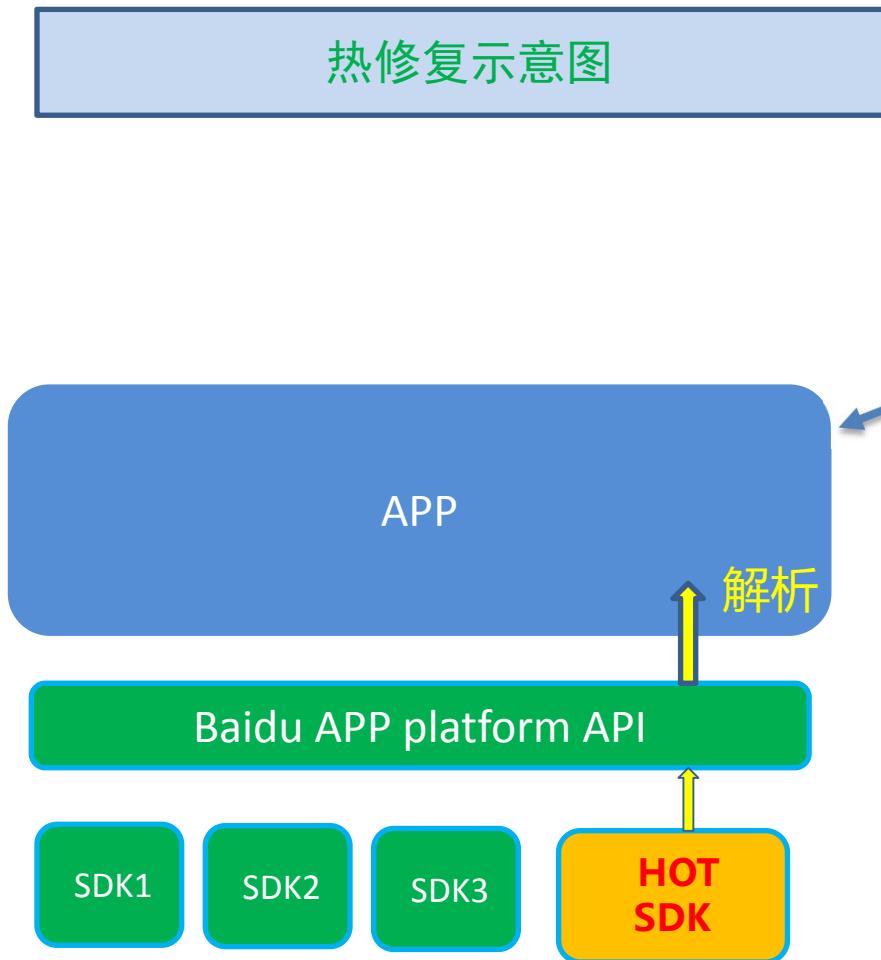
开发手册IOS - 1.0
2015/6/12

修改纪录

版本号	变更内容	时间
1.0	创建	2015/5/18

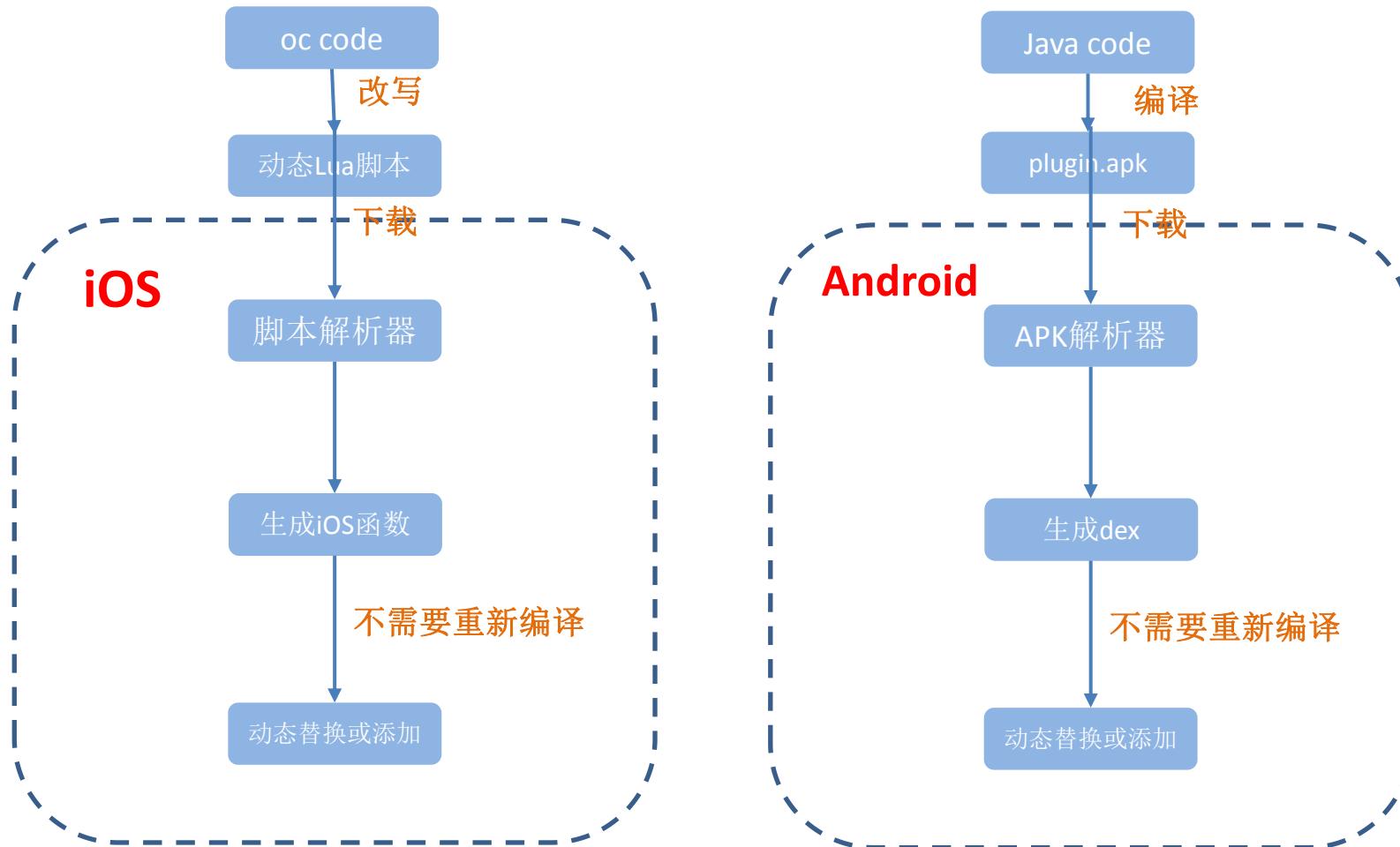
热修复

动态修复

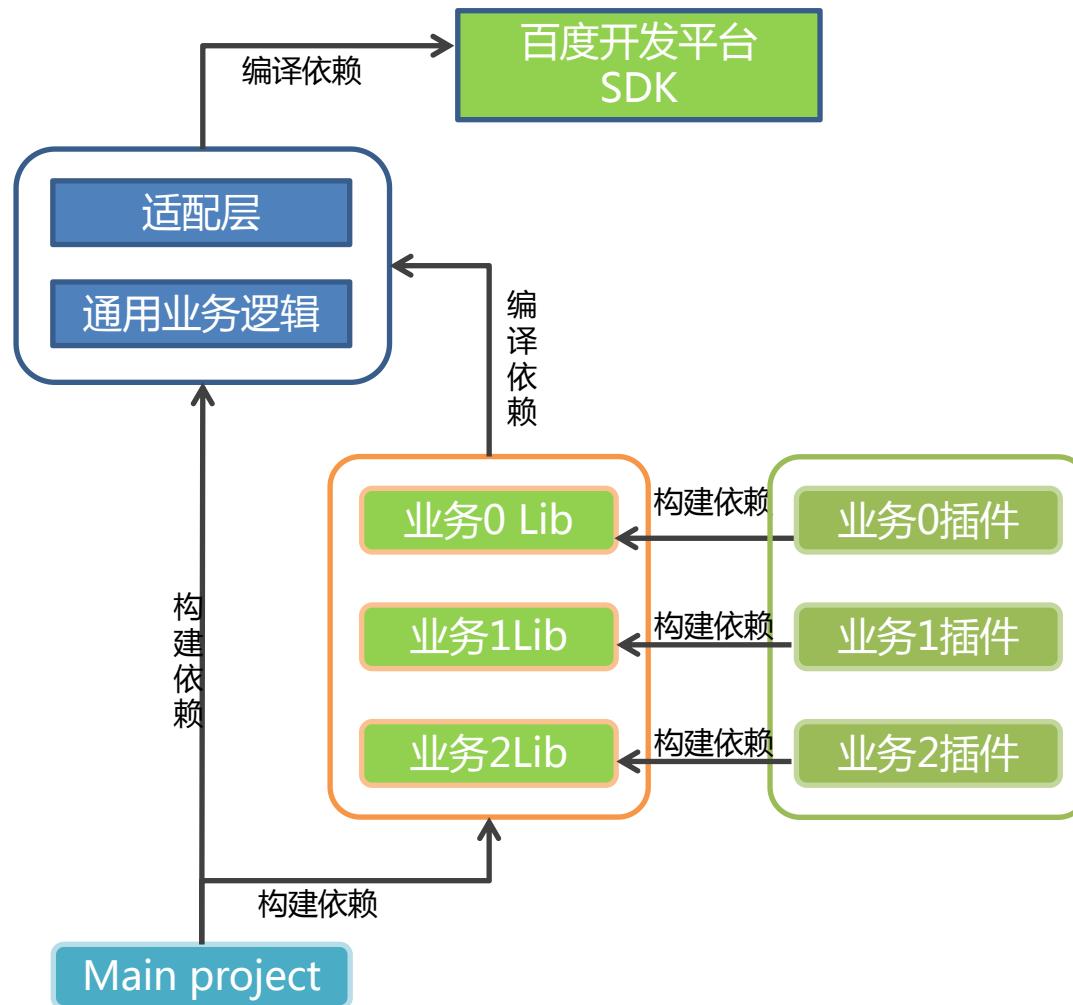


- 平台支持iOS Android
- 支持平台内SDK动态更新
- 支持接入的APP动态更新

动态修复

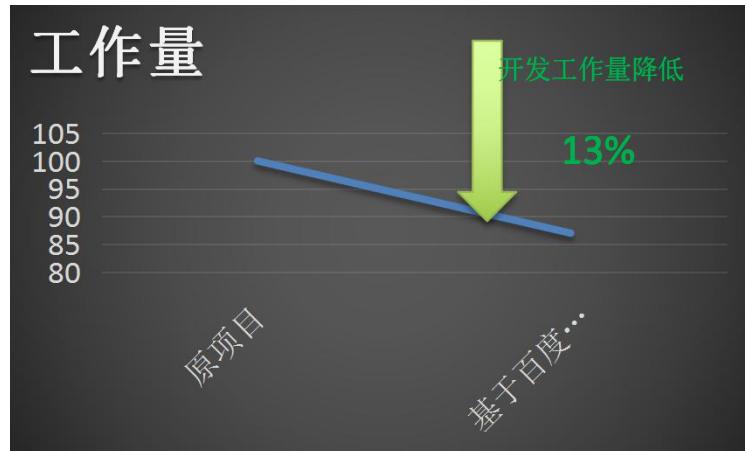
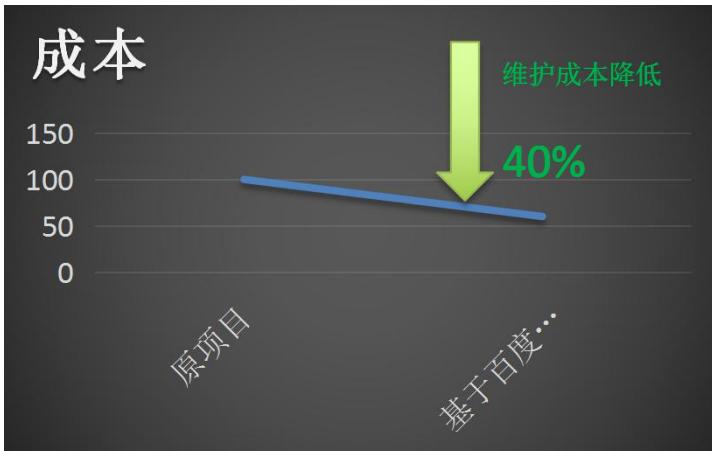
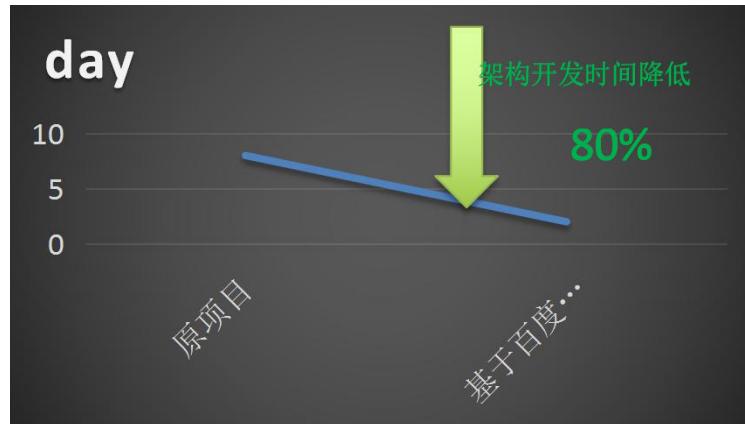
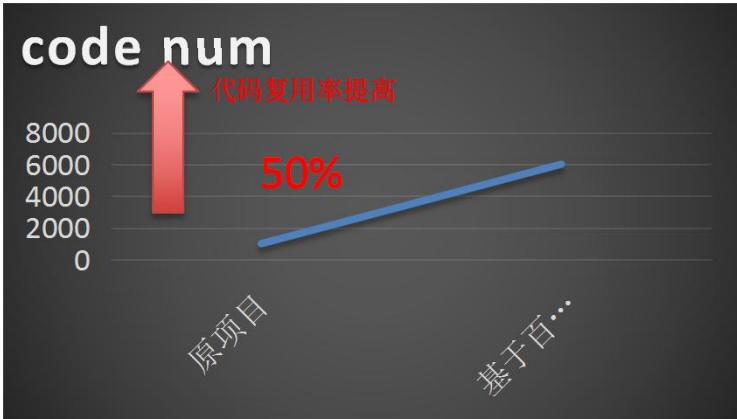


百度推广 android 手机版热修复结构

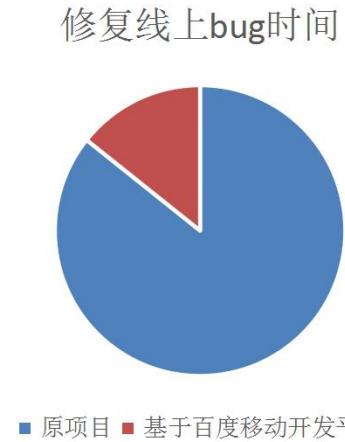


收益

开发效率提升



产品止损能力提升



- 1 , 组件化功能覆盖率达**98%**
- 2 , 实现移动凤巢客户端无发版动态更新机制
- 3 , 支持新功能的A/B Test验证
- 4 , 实现凤巢**无升级动态修复Bug**



业务特点

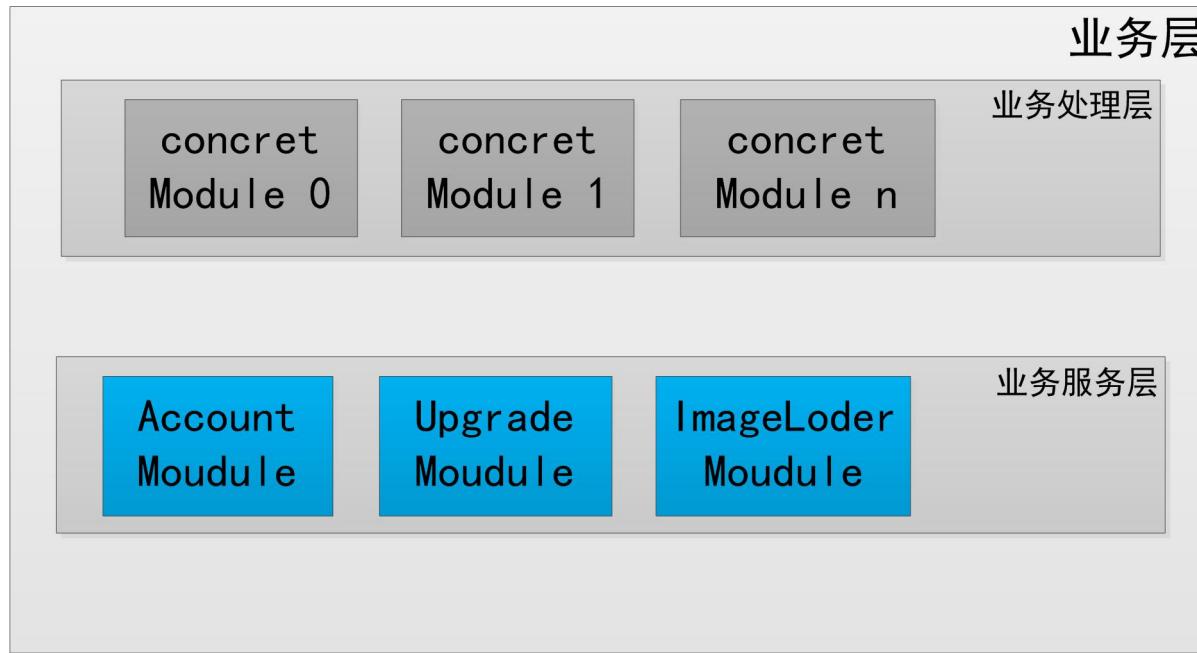


架构演化



技术展望

业务组件化



开源

- **更重**
- **更轻**
- **更融合**
- **更智能**
- **更开放**





THANKS!

