Android Camera 架构介绍

Agenda

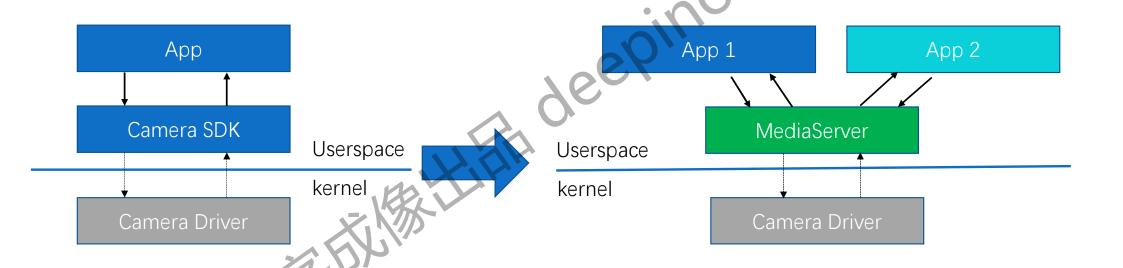
- Android Camera 架构演进
- Android Camera HAL3
 - 软件栈
 - Pipeline介绍
 - 控制流程



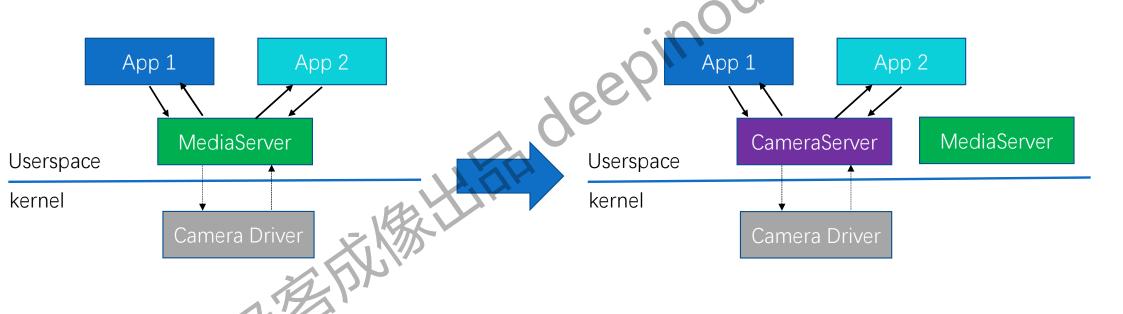
Android Camera架构演进

- 1. 为何Android Camera架构要分多层
 - 总体上Camera遵循Client-Server架构
 - 从MediaServer到独立的CameraServer
 - 从CameraServer再拆出android.hardware.camera.provider
- 2. 为什么要引入Camera HAL3
 - 从Camera HAL1到CameraHAL3

总体上Camera遵循Client-Server架构

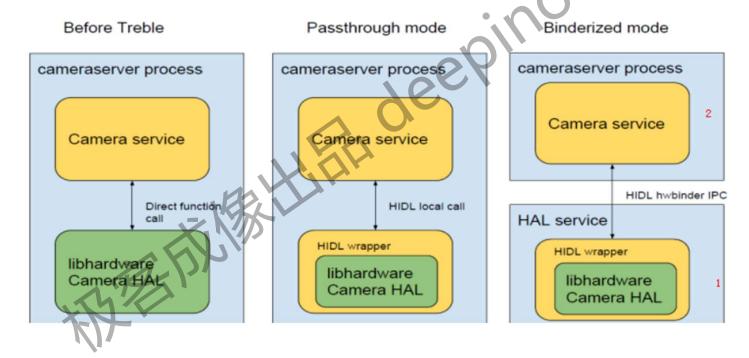


从MediaServer到独立的CameraServer

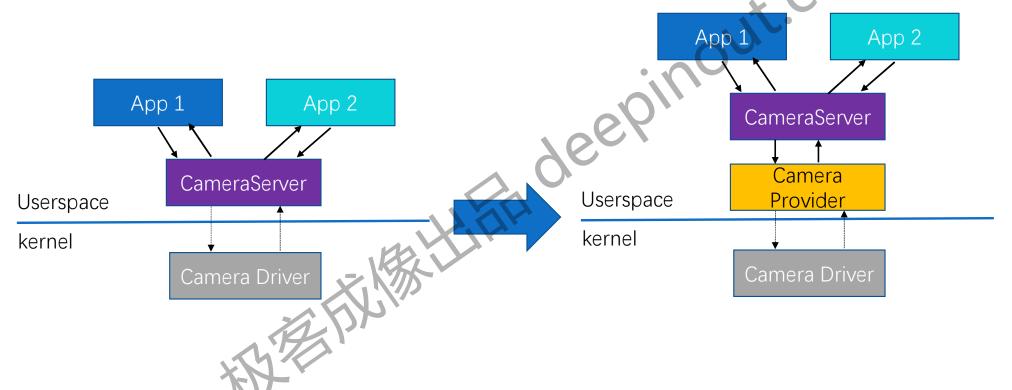


从CameraServer再拆出 android.hardware.camera.provide

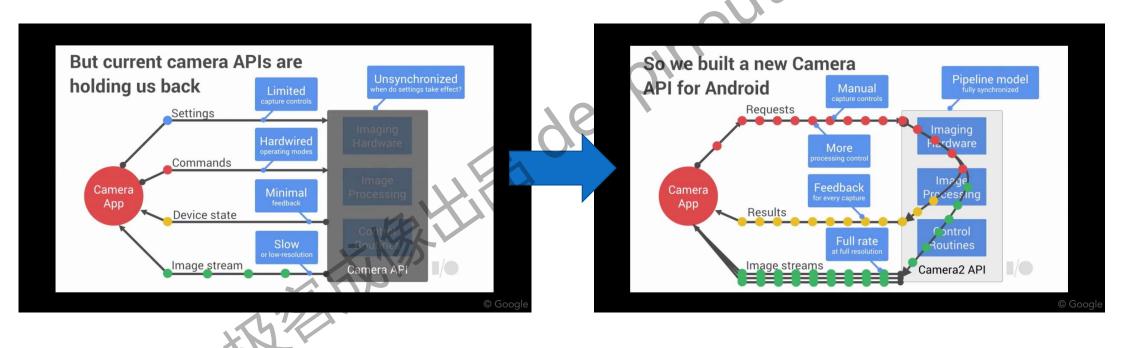
• Android O Treble计划



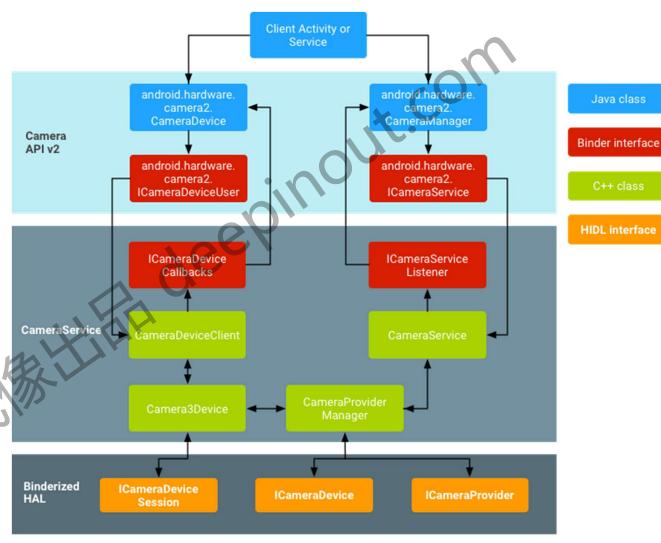
从CameraServer再拆出 android.hardware.camera.provide



从Camera HAL1到CameraHAL3



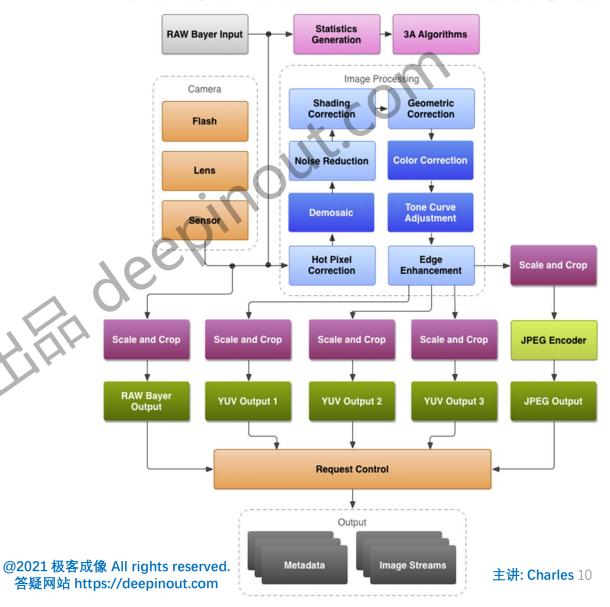
Android Camera HAL3 软件栈



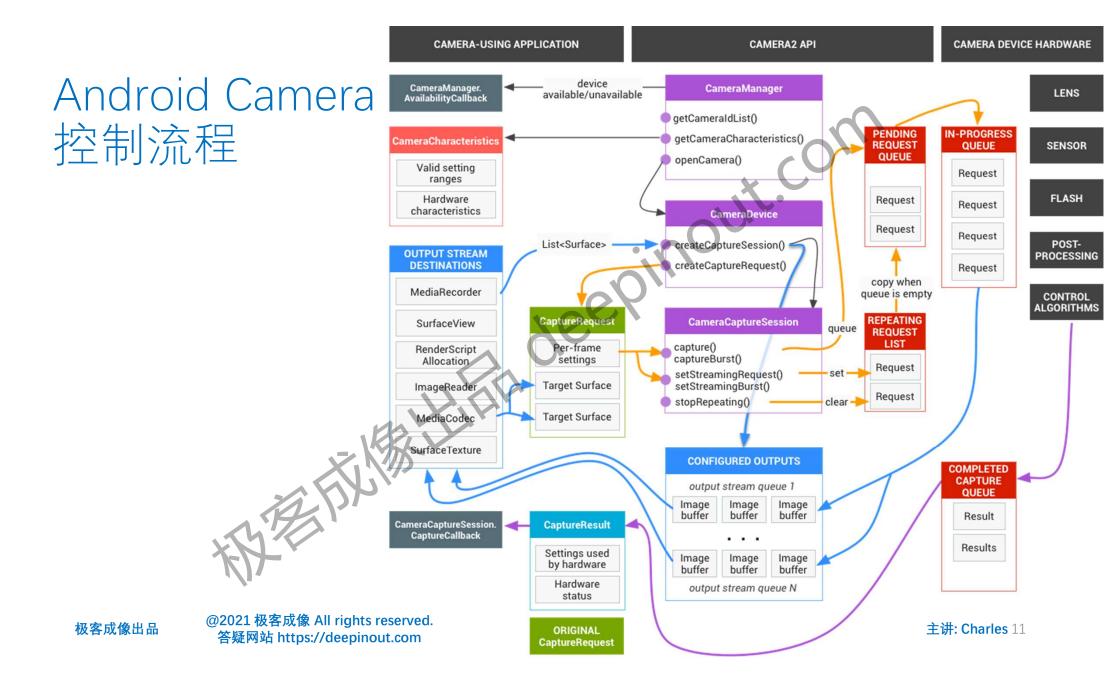
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ANDROID CAMERA ARCHITECTURE

Android Camera Pipeline介绍



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相关文档

- 参考资料
 - https://deepinout.com/android-camera-official-documentation/android-camera-hal-develop-overview.html
- 答疑
 - https://deepinout.com/android-camera-official-documentation/android-camera2-api/android-camera-architecture-intro.html
- 课程配套文档下载
 - git clone https://e.coding.net/deepinout/camera/android_camera_docs.git

Thanks