

UCan下午茶

直播实时质量监控

陌陌 彭远聪

Contents

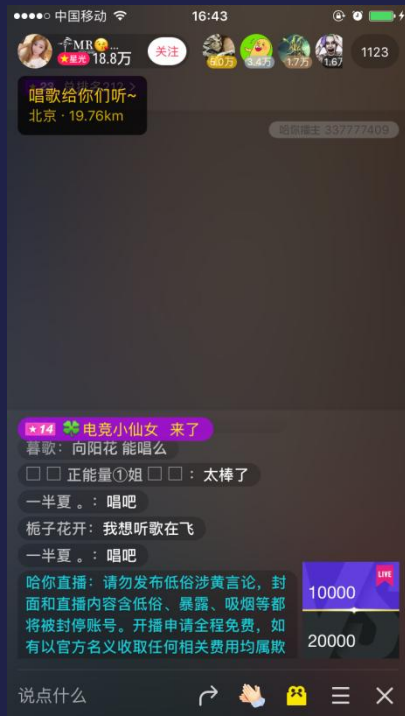
- 直播常见故障
- 全链路实时质量监控
- 系统架构
- **CDN智能推荐**



播放失败



卡顿

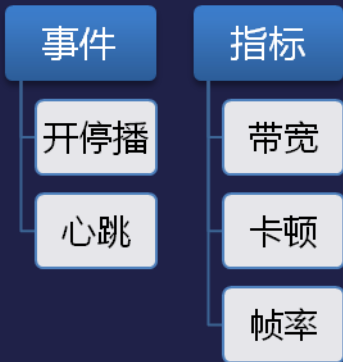
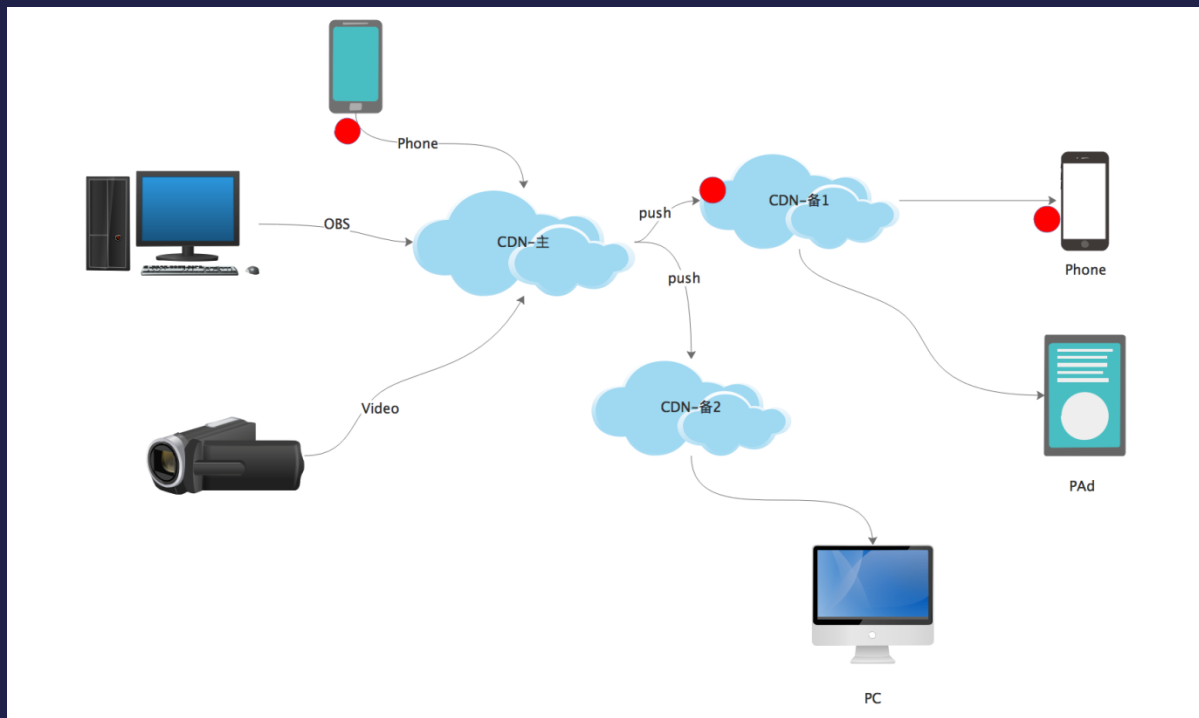


黑屏

常见故障分类



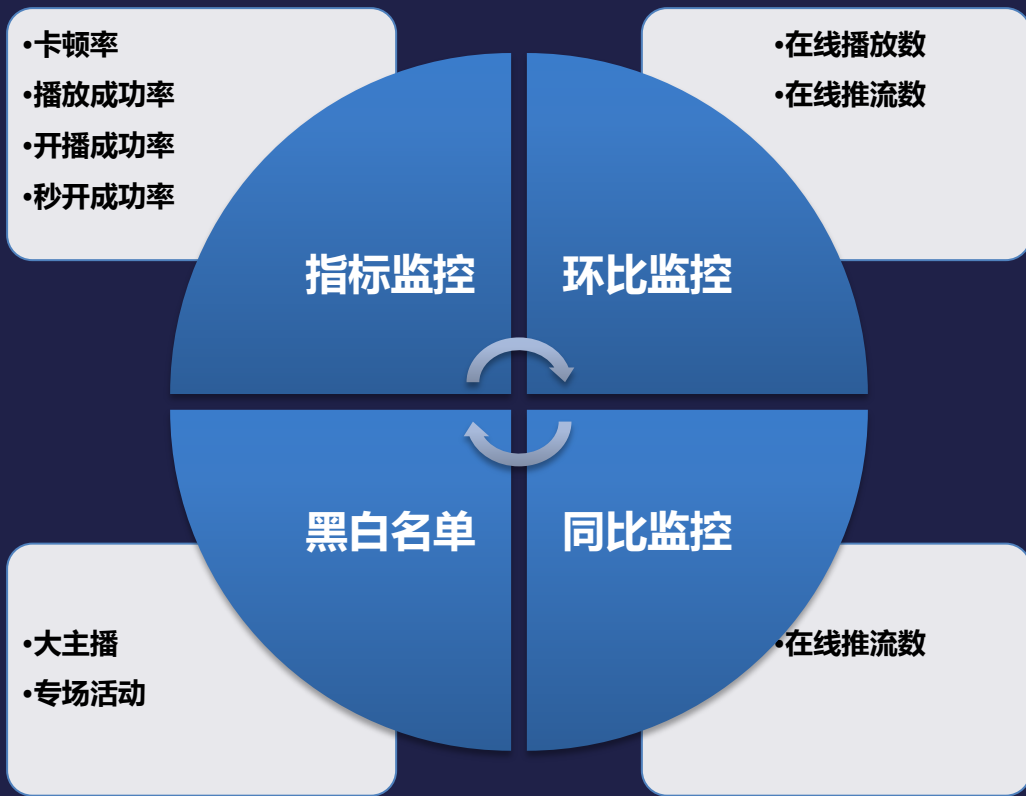
全链路日志采集



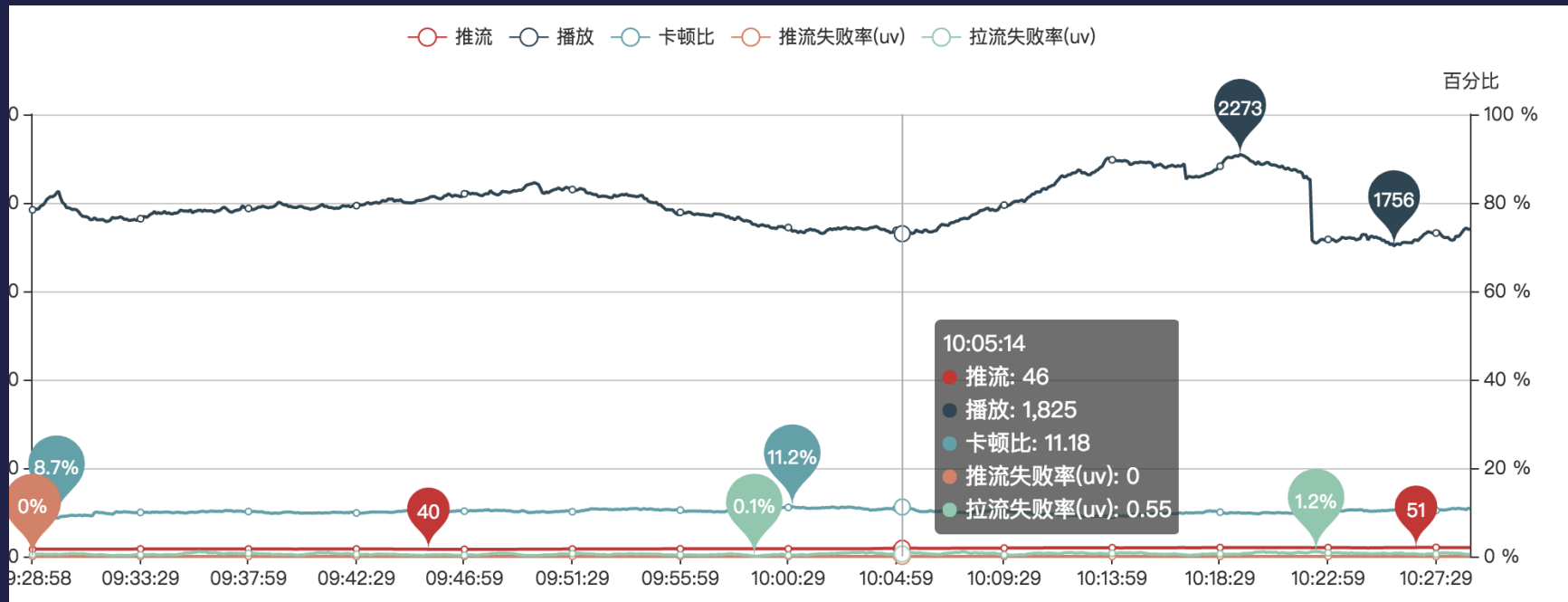


多维度质量视图

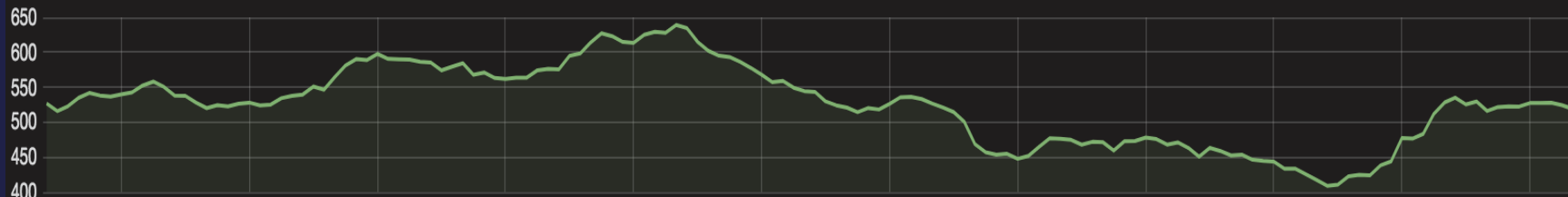




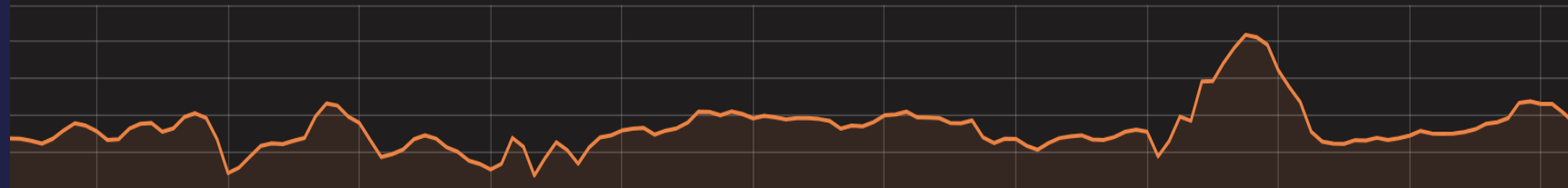
CDN, 节点, ISP 维度



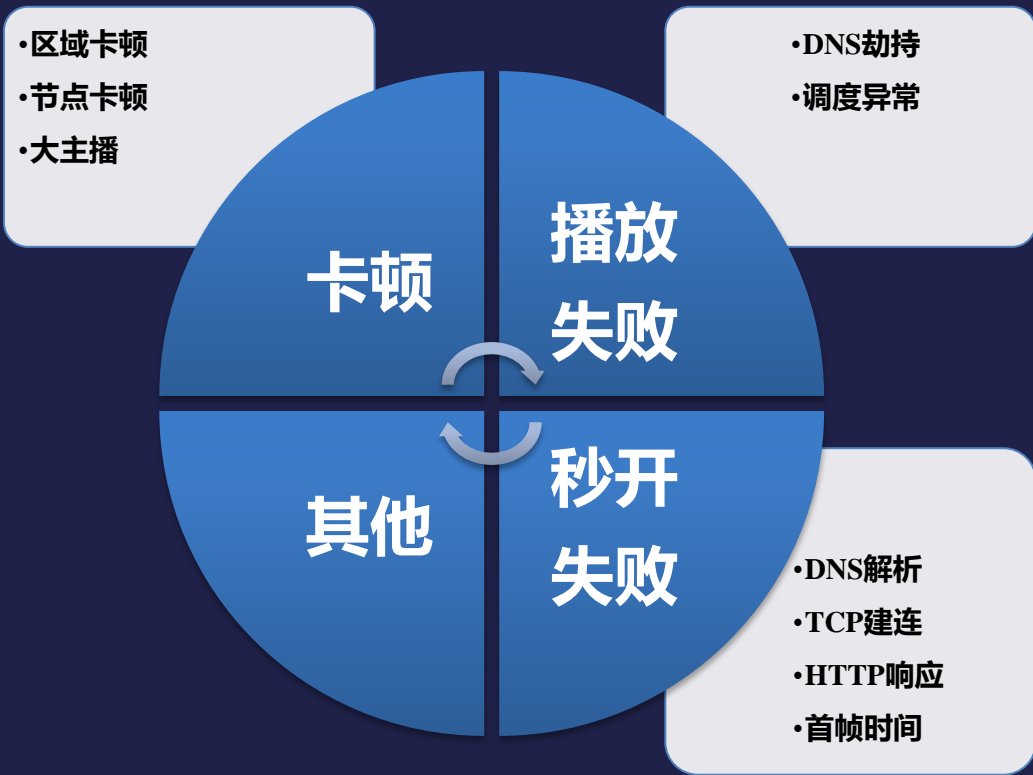
CDN视频直播平均秒开耗时(ms)



CDN视频直播平均播放延迟(ms)

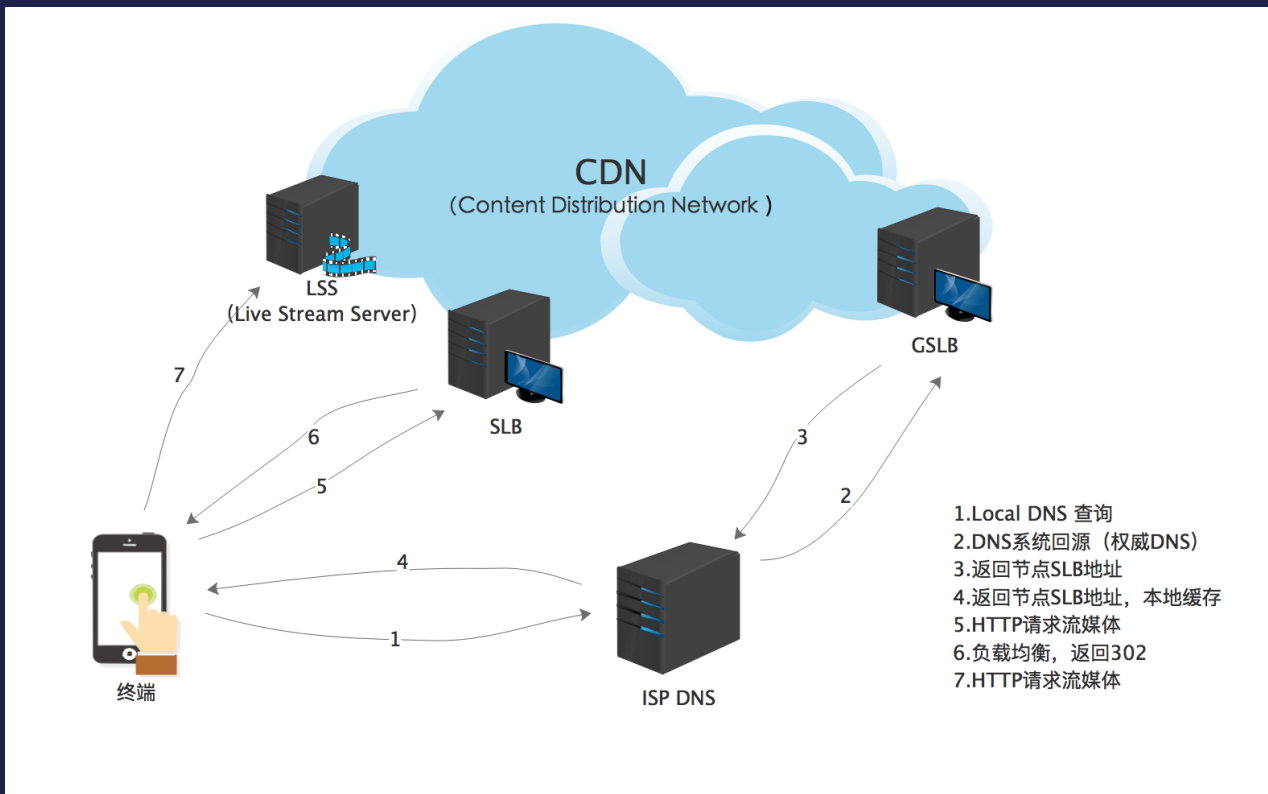






CDN质量反馈

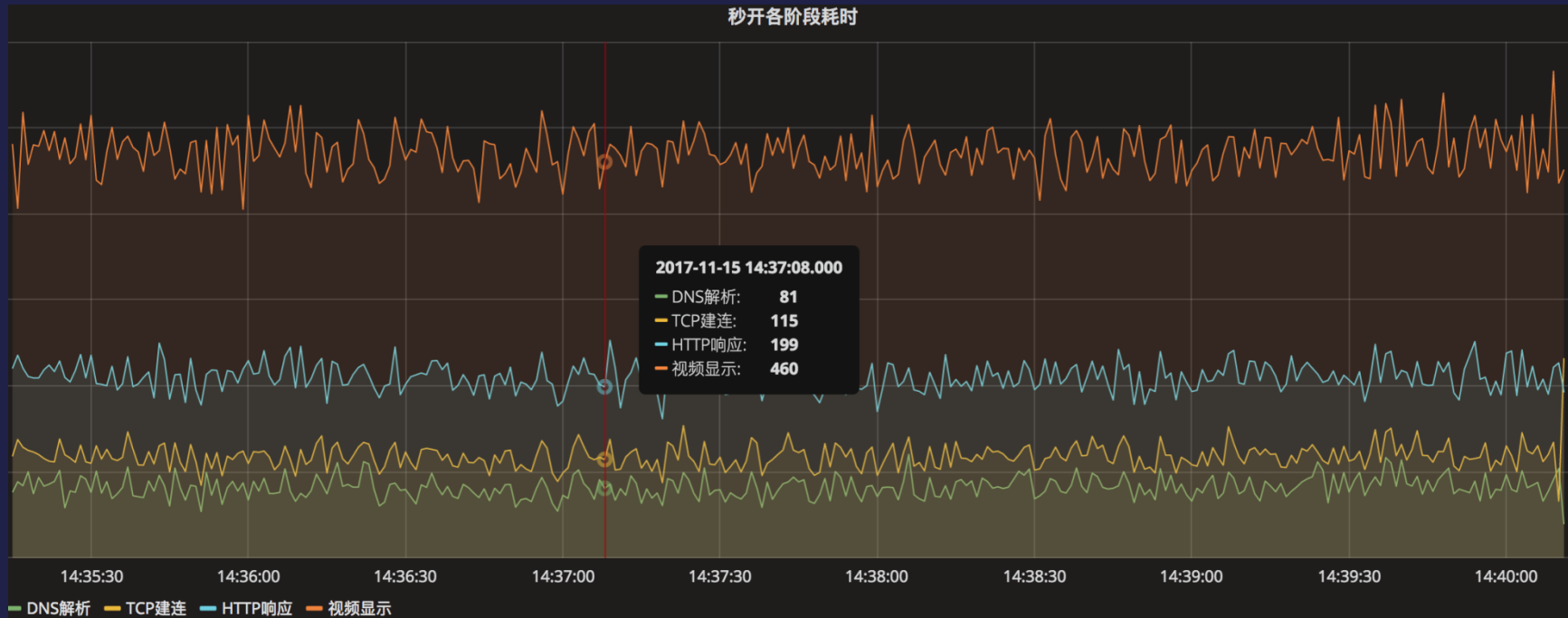
- 节点卡顿反馈
- CDN区域卡顿反馈
- 大主播卡顿反馈



Http 302

Http DNS

CDN联动调整



CDN质
量反馈

- 整体秒开
- 区域秒开

模块

- **CDN质量监控**
- **算法Seed**
- **主播测速**
- **开播修正**
- **智能调度**

目标

- **实现上行调度**

seed

- 20%主播，陌陌
- 拨测

质量图谱：基于主播出口IP，统计上行ISP维度所带动的下行卡顿质量，得出可选CDN列表。





- 上行推荐参考历史数据
- others

更多分享与交流，请关注“UCloud技术公告牌”

