



2015 移动开发者大会
Mobile Developer Conference China 2015

Android远程问题诊断和监测

董霖

- 2013 个推
Android/iOS 个推SDK
- 2011 个信
Symbian/Android/iOS App
- 2009 通讯录
Symbian/WM/Android App

个推-移动应用消息推送解决方案





典型客户：





合适的时间



定时推送



合适的地点



地理围栏



合适的场景



智能场景
标签



合适的内容



有价值信息



合适的人



智能画像
标签

基于地理位置数据的用户画像 Location Based User Profiling

居住地属性

Where constantly?

用户住在哪里/工作地点

XX城市

XX街区



行为规律特征

Where regularly?

用户经常/最近去哪里

学生、车友、商务、时尚、白领、美食、旅游、居家、新人婚庆



实时位置场景

Where right now?

用户现在在哪里

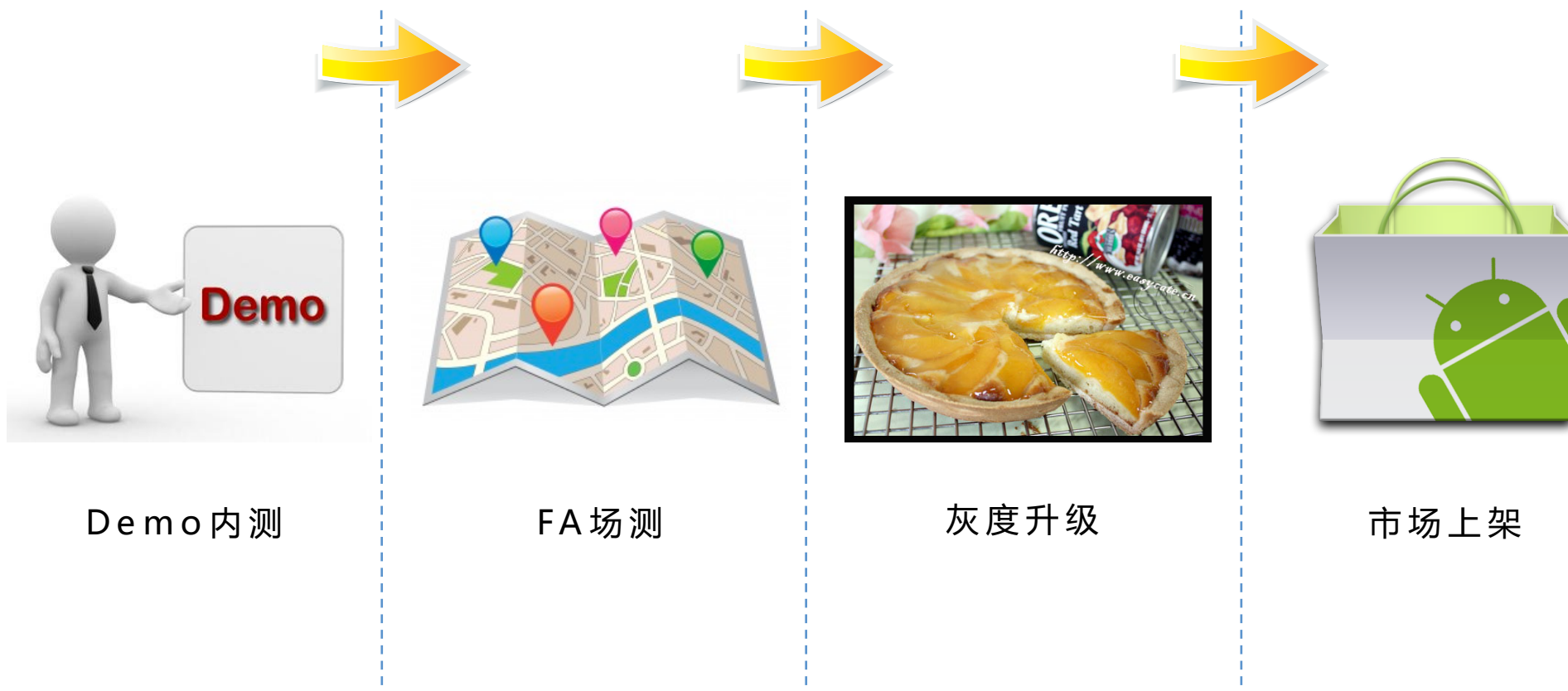
家里、商场、机场车站、景点、汽车4S店





Murphy's Law

- 如果有两种或两种以上的方式去做某件事情，而其中一种选择方式将导致灾难，则必定有人会做出这种选择。



All roads lead to Rome



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Rome

Request

Of

Mobile

Exception

- 开log , 看log
- 看屏幕 , 截屏





确定设备



打开日志

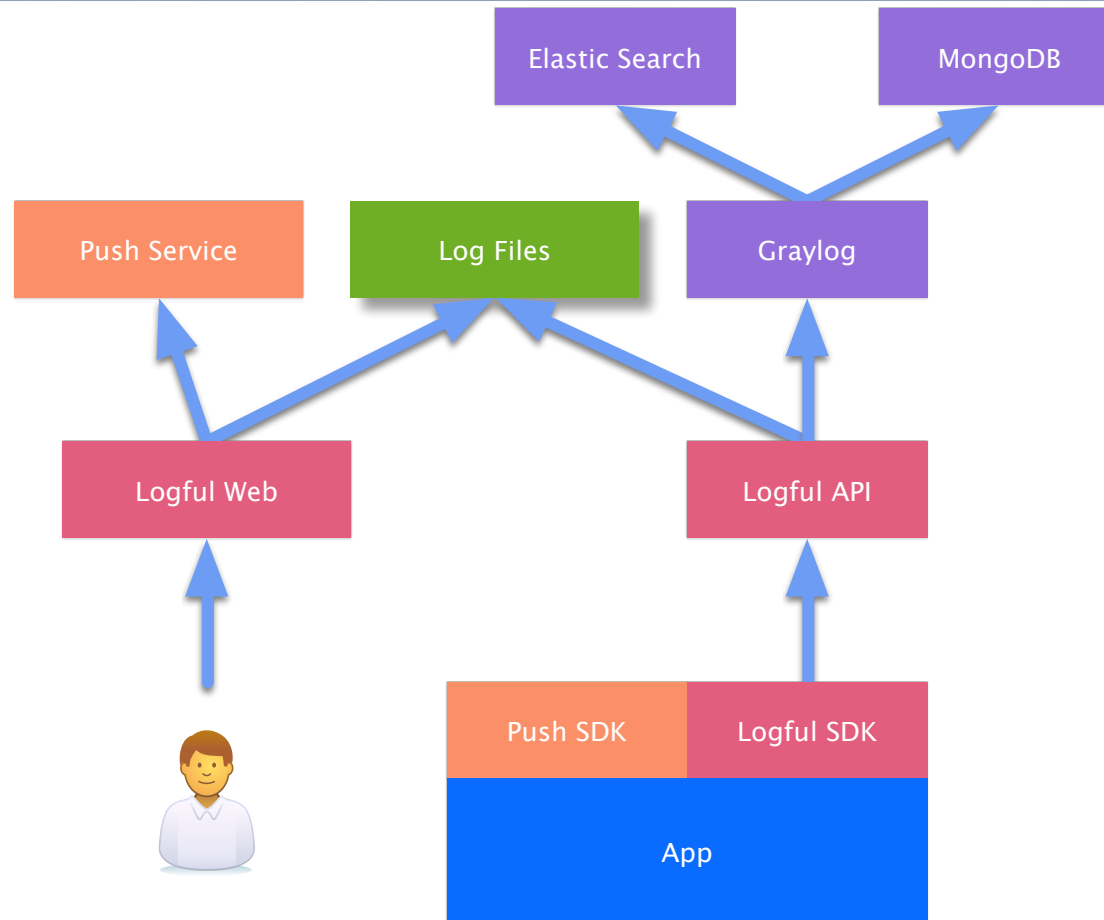


上传日志



分析日志

- Logful
- Full of Log



- 初始化

```
@LogProperties(defaultLogger = "logger",  
              defaultMsgLayout = "t,type,%s|r,result,%n|c,counts,%n")  
public class MainApplication extends Application {  
  
    @Override  
    public void onCreate() {  
        super.onCreate();  
  
        LoggerConfigurator config = LoggerConfigurator.build();  
        config.setCaughtException(false);  
        LoggerFactory.init(this, config);  
    }  
}
```

- 日志记录

```
LoggerFactory.turnOnLog();  
LoggerFactory.verbose(TAG, "http login request sent.");  
LoggerFactory.debug(TAG, "http|login|failed");  
LoggerFactory.error(TAG, "t:post_error|r:80001|c:3");
```

```
defaultMsgLayout = "t,type,%s|r,result,%n|c,counts,%n")
```


日志 Web 工具

Dashboard

UID 工具

日志工具

管理工具

Dashboard

状态详细信息

⚙️ Status	ok
🔗 Graylog Connected	connected
📄 Server Version	1.0.0

资源监控

内存占用



线程占用



队列信息



日志 Web 工具

 Dashboard

 UID 工具

 日志工具

 管理工具

管理工具

灰度控制

Level

60%



graylog Search Streams Dashboards Sources System In 0 / Out 0 msg/s Administrator

Search in the last 15 minutes

app_id:com.getui.logsample

Search result

Found 7 messages in 2 ms, searched in 1 index.

Add count to dashboard Save search criteria More actions

Fields

Default All None Filter fields

- alias
- app_id
- col_counts
- col_result
- col_type
- col1
- col2
- col3
- level
- log_level
- log_name
- log_timestamp
- message

List fields of current page or all fields.

app_id:com.getui.logsample

Histogram

Add to dashboard

Year, Quarter, Month, Week, Day, Hour, Minute

Time Interval	Count
17:40	1
17:45	6

Messages

Previous 1 Next

Timestamp	source
2015-10-12 17:39:18.553	127.0.0.1 MainActivity
2015-10-12 17:39:18.553	127.0.0.1 MainActivity
2015-10-12 17:39:18.553	127.0.0.1 MainActivity
2015-10-12 17:39:18.553	127.0.0.1 MainActivity

graylog Search Streams Dashboards Sources System In 11 / Out 11 msg/s Administrator

Search in the last 15 minutes

col_result:80001

col_result:80001

Search result

Found 5 messages in 3 ms, searched in 1 index.

Add count to dashboard Save search criteria More actions

Fields

Default All None Filter fields

- alias
- app_id
- col_counts
- col_result
- col_type
- level
- log_level
- log_name
- log_timestamp
- message
- platform
- source
- uid

List fields of current page or all fields.

Histogram

Year, Quarter, Month, Week, Day, Hour, Minute

Time	Count
17:36	1
17:39	4

Messages

Previous 1 Next

Timestamp	source
2015-10-12 17:39:18.553	127.0.0.1 MainActivity
2015-10-12 17:39:18.553	127.0.0.1 MainActivity
2015-10-12 17:39:18.553	127.0.0.1 MainActivity
2015-10-12 17:39:18.553	127.0.0.1 MainActivity

Messages

Previous 1 Next

Timestamp | source

2015-10-12 17:39:18.553 127.0.0.1

MainActivity

✉ 2527c621-70c5-11e5-bfd9-00163e021ffb

Permalink Copy ID Test against stream

Received by	alias	
GELF TCP on P	alias name	🔍
8c7aa798 / AY1305221127063849a3Z	app_id	🔍
Stored in index	com.getui.logsample	
graylog2_5	col_counts	🔍
	3	
	col_result	🔍
	80001	
	col_type	🔍
	post_error	
	full_message	🔍
	t:post_error r:80001 c:3	
	g12_remote_ip	🔍
	127.0.0.1	
	g12_remote_port	🔍
	56965	
	level	🔍
	6	
	log_level	🔍
	5	
	log_name	🔍
	logger	
	log_timestamp	🔍
	1444642758553	
	message	🔍
	MainActivity	
	platform	🔍
	android	
	source	🔍
	127.0.0.1	
	uid	🔍
	355002050700811	
	version	🔍
	1.1	

t:post_error|r:80001|c:3

uid:355002050700811

日志 Web 工具

Dashboard

UID 工具

日志工具

管理工具

日志工具

获取日志列表

Platform

Android

Application ID

com.getui.logsample

UID

355002050700811

Date

2015/09/17



获取

解密日志文件

Application ID

Log File

选择文件 未选择任何文件

解密

清理缓存文件

清理

日志 Web 工具

Dashboard

UID 工具

日志工具

管理工具

日志文件列表

Show 10 entries

Search:

#	Filename	Size	Date	Download
1	app-20150917-verbose-3.bin	116 B	2015/09/17 13:51:11	下载文件
2	app-20150917-debug-2.bin	168 B	2015/09/17 13:51:18	下载文件

Showing 1 to 2 of 2 entries

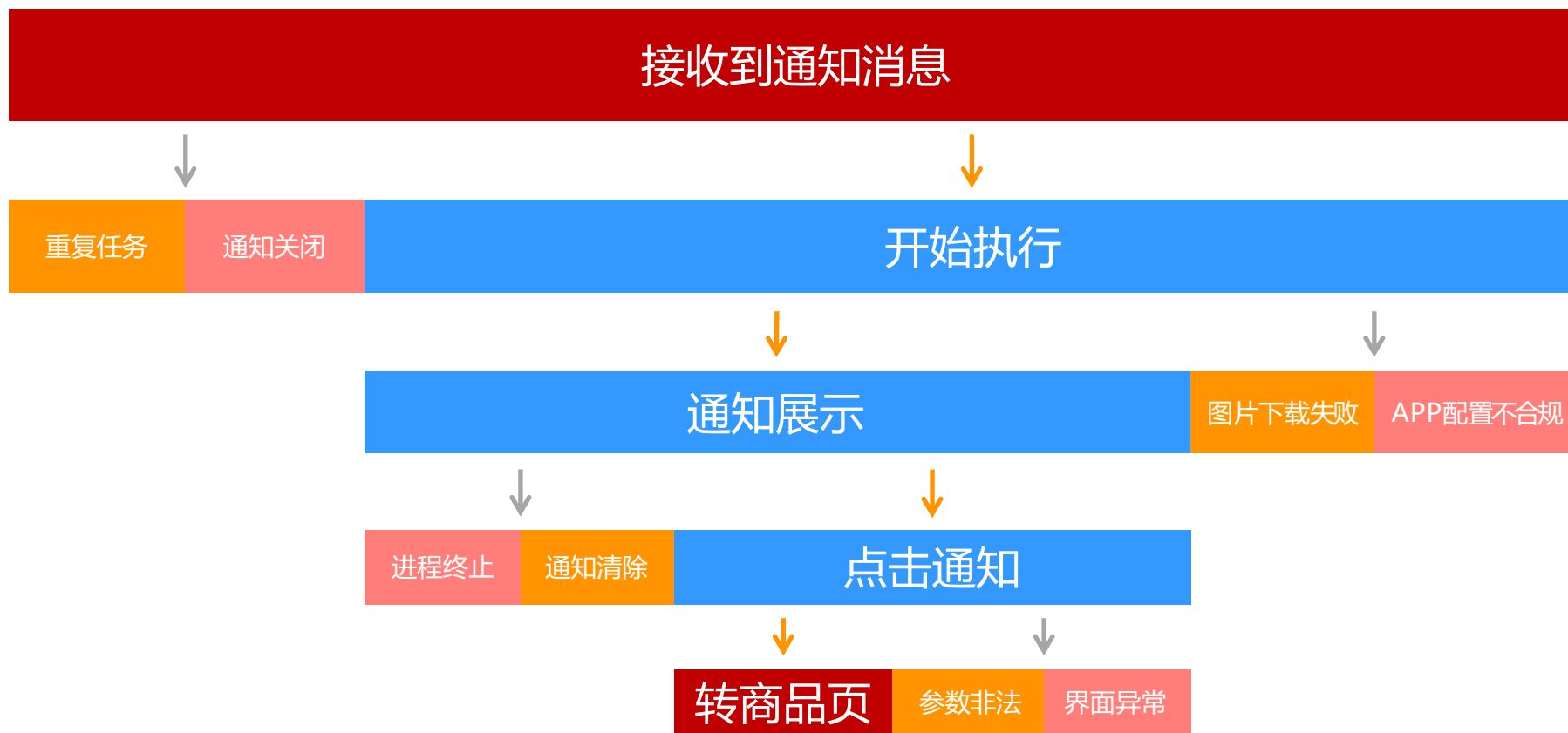
Previous 1 Next

关闭

355002050700811

default-20150917-debug-3.log *

```
71 2015-09-17 23:07:51.259 |AppListActivity|sdkstatus|timeout
72 2015-09-17 23:07:51.574 |AppListActivity|sdkconfig|timeout
73 2015-09-17 23:07:52.390 |AppListActivity|sdkversion|timeout
74 2015-09-17 23:07:52.406 |AppListActivity|sdkstatus|timeout
75 2015-09-17 23:07:56.796 |NetInfoManager|http|login|request|com.getui.test
76 2015-09-17 23:07:56.802 |NetInfoManager|http|login|request|com.getui.test
77 2015-09-17 23:07:56.873 |NetInfoManager|http|login|request|com.sds.android.ttpod
78 2015-09-17 23:07:56.881 |NetInfoManager|http|login|request|com.sds.android.ttpod
79 2015-09-17 23:07:56.915 |NetInfoManager|http|login|response|200
80 2015-09-17 23:07:56.918 |NetInfoManager|http|cid status|request|3a07d6f3077e8c73b3ab4b090bdb07e2|com.getui.test
81 2015-09-17 23:07:56.916 |NetInfoManager|http|login|response|ok
82 2015-09-17 23:07:56.954 |NetInfoManager|http|login|request|com.storm.smart
83 2015-09-17 23:07:56.954 |NetInfoManager|http|login|response|200
84 2015-09-17 23:07:56.954 |NetInfoManager|http|login|request|com.storm.smart
85 2015-09-17 23:07:56.954 |NetInfoManager|http|login|response|ok
86 2015-09-17 23:07:56.956 |NetInfoManager|http|cid detail|request|3a07d6f3077e8c73b3ab4b090bdb07e2|com.getui.test
87 2015-09-17 23:07:57.074 |NetInfoManager|http|login|response|200
88 2015-09-17 23:07:57.075 |NetInfoManager|http|login|response|ok
89 2015-09-17 23:07:57.077 |NetInfoManager|http|cid detail|request|65917317e6dda973bb37b4aefd604d72|com.sds.android.ttpod
90 2015-09-17 23:07:57.116 |NetInfoManager|http|login|response|200
91 2015-09-17 23:07:57.117 |NetInfoManager|http|cid detail|request|c55f87e31e2b178af4df2d17ca74a2e7|com.storm.smart
92 2015-09-17 23:07:57.116 |NetInfoManager|http|login|response|ok
93 2015-09-17 23:07:57.128 |NetInfoManager|http|cid status|response|200|com.getui.test
94 2015-09-17 23:07:57.161 |NetInfoManager|http|cid detail|response|200|com.getui.test
95 2015-09-17 23:07:57.177 |NetInfoManager|http|login|response|200
96 2015-09-17 23:07:57.177 |NetInfoManager|http|login|response|ok
```

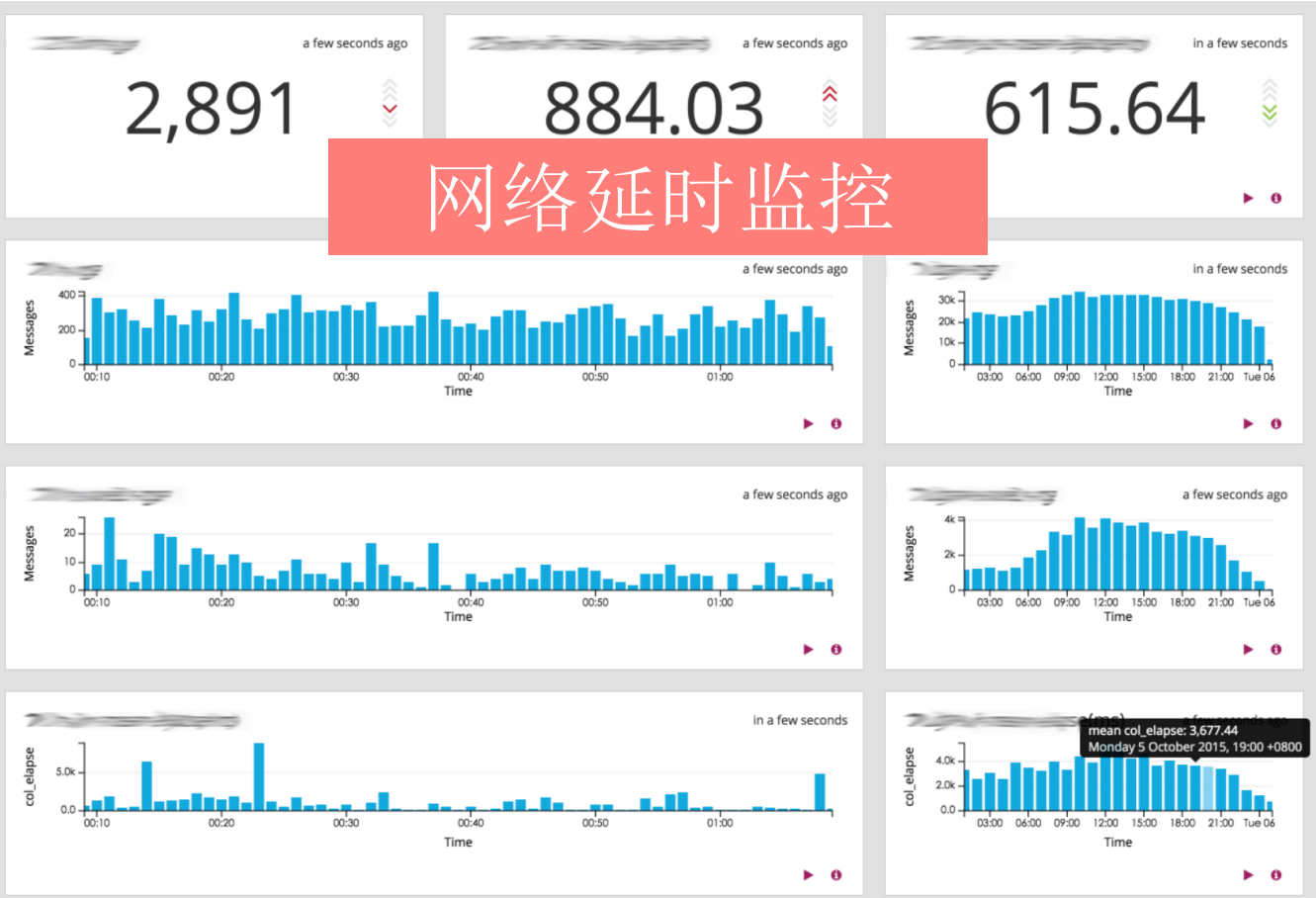



2,891

884.03

615.64

网络延时监控



Alerts configuration for stream >

You can define thresholds on any message field or message count of a stream and be alerted based on this definition.

Learn more about alerts in the [documentation](#).

Add new alert condition

Message count condition

Configured alert conditions

Field value condition

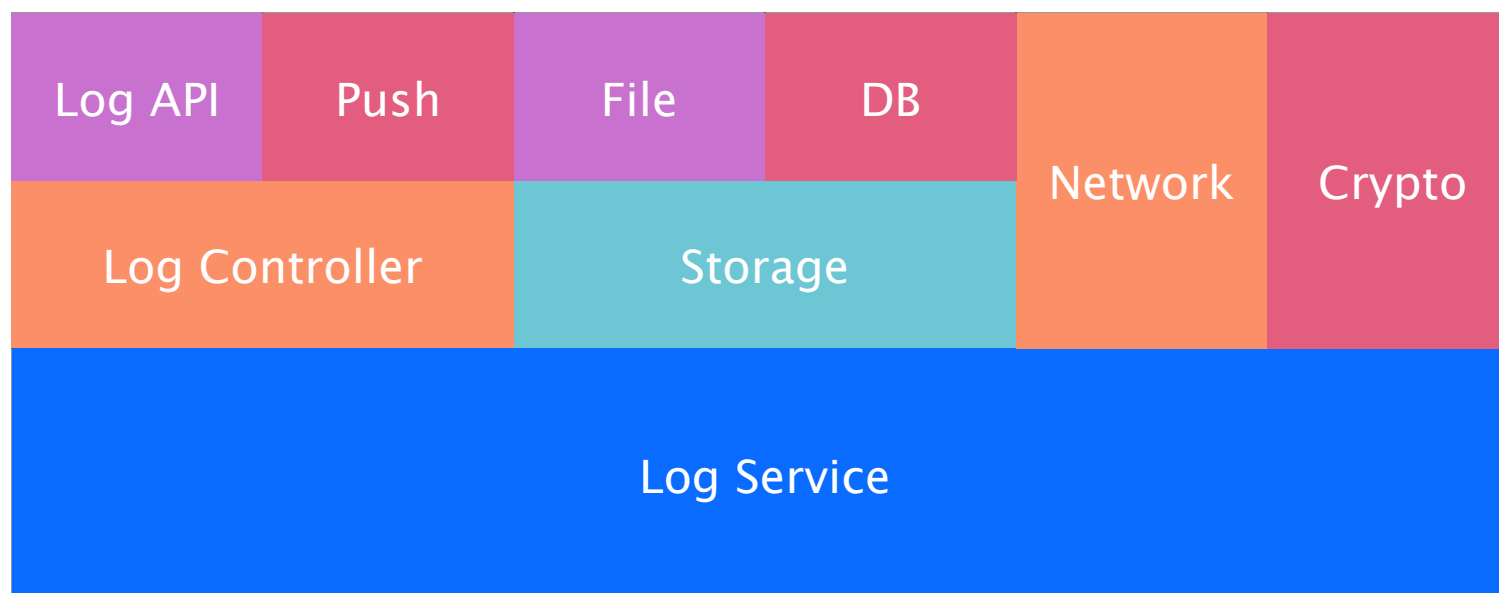
Callbacks

The following callbacks will be performed when this stream triggers an alert.

Email Alert Callback

Email Alert Callback
Executed once per triggered alert condition.

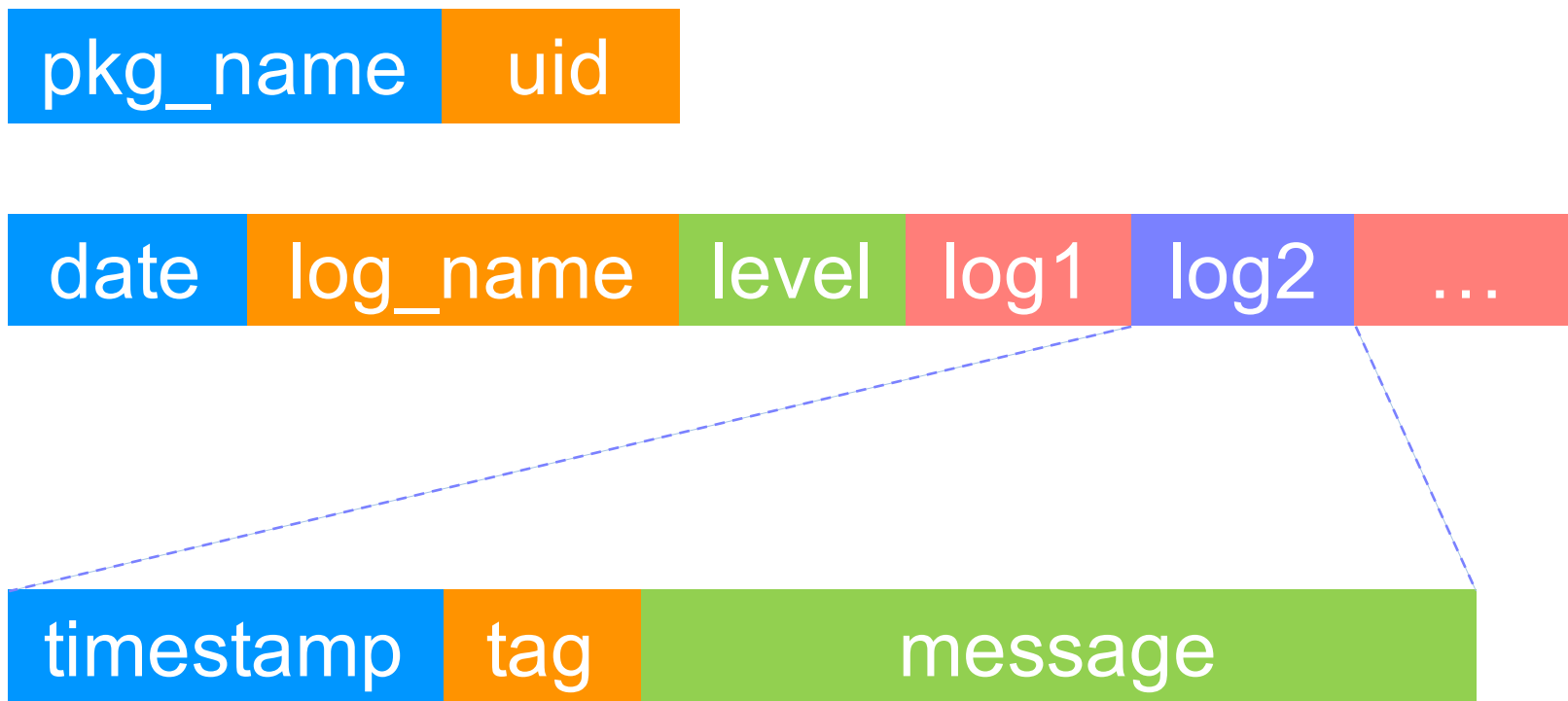
Alert ... when **col_elapse** has a higher **mean** value than **10000** in last **5 minutes**.



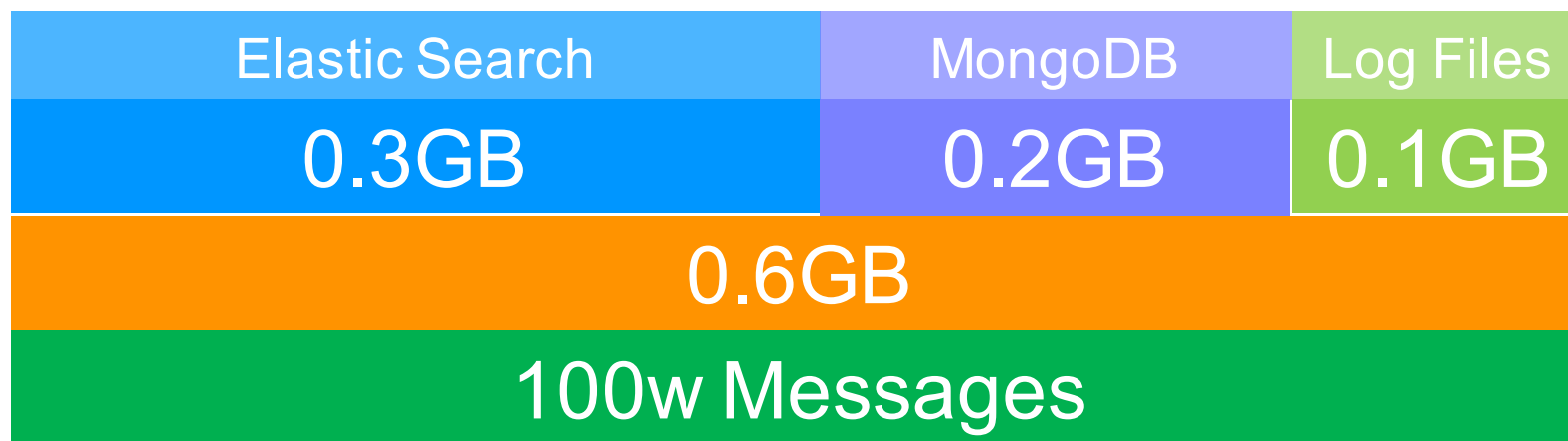
pkg_name uid

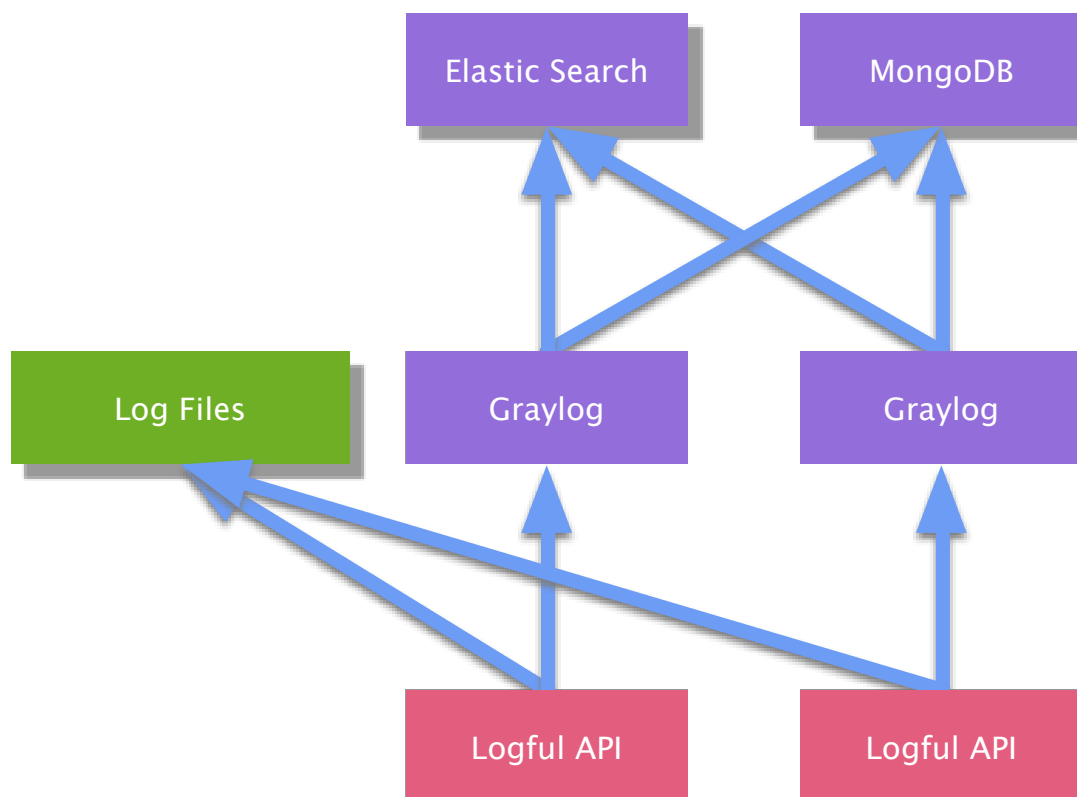
date log_name level log1 log2 ...

timestamp tag message



日志级别	是否进Graylog	用途
verbose	否	通过Logful Web检索详细日志排查问题
debug	是	记录关键的程序执行点
info	是	收集程序运行时信息
warn	是	手机关键的警告信息
error	是	记录程序未按预想逻辑执行的错误
exception	是	记录部分重要的异常捕获
fatal	是	Crash或者其他导致程序无法继续正常运行的严重错误





- Android/iOS支持
- 日志加密存储和上传
- 日志检索
- 实时日志开关
- 灰度日志开关
- Wifi下上传

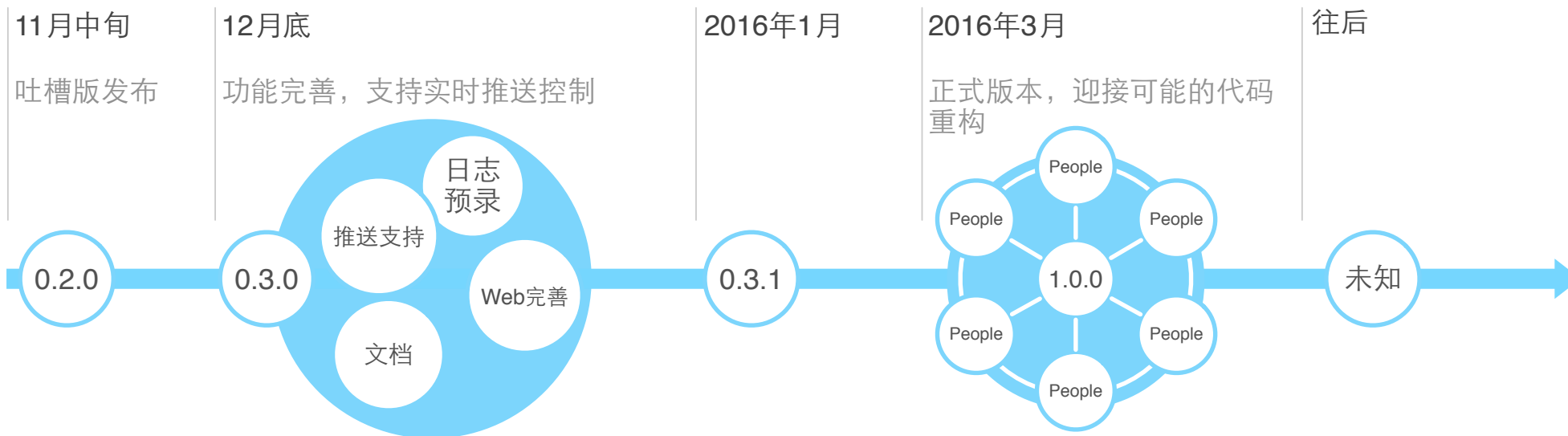
- 截图支持
- 日志预录
- 别名支持
- 日志模板
- 数据监控

开

源

<https://github.com/logful>

11月中旬



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谢谢

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