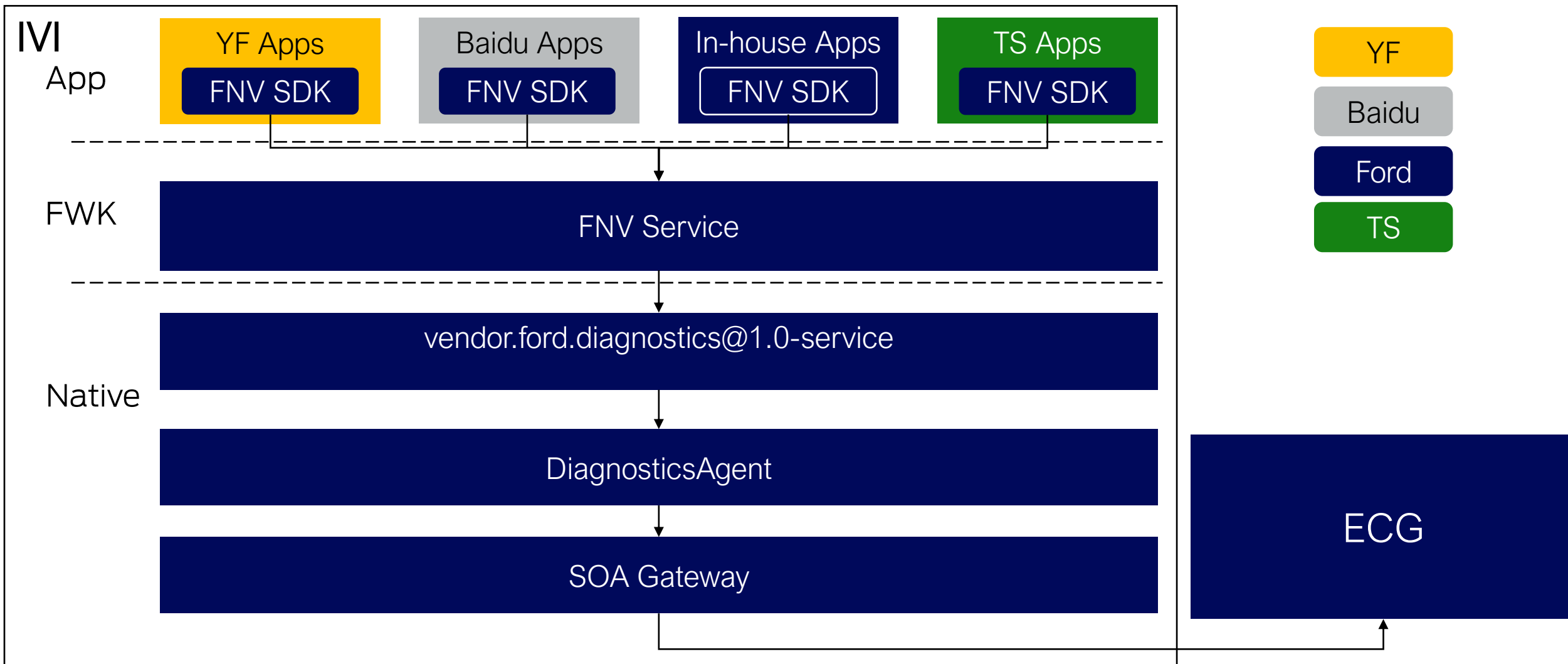


Agenda

- Tagging架构与分工
- Tagging SDK集成与使用
- Tagging数据跟踪与自测

Architecture



1. Tagging Apps集成 FVN SDK, 发送App自身的行为数据, 通过FNV Service, [vendor.ford.diagnostics @1.0-service](#), 传递到 DiagnosticsAgent.
2. DiagnosticsAgent采集通用的基础数据, 再将App上报的数据做拼接, 形成完整的Analytics Event数据上传到ECG.

集成与使用

- Tagging Apps集成埋点SDK: FnvSdk.jar
- Tagging API使用

1.初始化, 连接服务

```
DiagnosticsManager mDiagnosticsManager = null;
DiagnosticsManager.init(this, listener);
```

```
private final ServiceConnectListener listener = new ServiceConnectListener() {
    @Override
    public void onServiceConnected(BaseManager baseManager) {
        if (baseManager instanceof DiagnosticsManager) {
            mDiagnosticsManager = (DiagnosticsManager) baseManager;
            Log.d(TAG, "Get DiagnosticsManager");
        }
    }

    @Override
    public void onServiceDisconnected() {

    }
};
```

2.发送事件

```
byte ret = mDiagnosticsManager.getAnalyticsEventBuilder(category, action)
    .addAttribute(key, value)
    .addLabel(label).setDescription(description).build().sendAndWaitForAck();
if (ret != 0) {
    Log.e(TAG, "Send Failed: " + ret);
} else {
    Log.d(TAG, "Send Successfully");
}
```

数据跟踪与自测

1.FWK Service log:

02-21 14:13:56.308 1434 1449 D DiagnosticService: Create new analytics builder category:xxx
02-21 14:13:56.309 1434 1449 D AnalyticsEventBuild_FW: AddAttributes
02-21 14:13:56.310 1434 1449 D AnalyticsEventBuild_FW: addLabel
表明Sync+埋点数据已发送到FmwService.

2.Hal Service log:

02-21 14:13:56.308 673 749 I Diagnostic_Service: GetAnalyticsEventBuilder -S
02-21 14:13:56.308 673 749 I Diagnostic_Service: GetAnalyticsEventBuilder -E
02-21 14:13:56.308 673 749 I AnalyticsEventBuilder: Create AnalyticsEventBuilder: bluetooth|on
02-21 14:13:56.309 673 749 I AnalyticsEventBuilder: AddAttributes: size 0
表明Sync+埋点数据已发送到vendor.ford.diagnostics@1.0-service.

3. Hal DiagnosticsAgent log:

02-21 14:13:56.308 696 1339 D diagnostics.servr: lpcServer start() - read 157 bytes sent from xxx
02-21 14:13:56.309 696 1339 D diagnostics.servr: lpcServer start() - waiting for messages on path xxx
表明Sync+埋点数据已发送到DiagnosticsAgent.

4.ECG log:

在ECG目录/data/tmp/RCN_AnalyticsAgent/log_general下会有0.txt、1.txt、2.txt、3.txt、4.txt、5.txt。

查看到内容:

```
{"app":"vendor.ford.diagnostics@1.0-service","batch":"DUEROS","bootcount":"-1",  
"vehicletotaluptime":"216","eventid":"onBluetoothOff","_description":"bluetooth state change to  
off","event_labels":"","time":"1645424035839","uptime":"216934","ignitionstate":"run","odometer":"0",  
"speed":"0","ignitionCount":"135"}
```

表明Sync+ 埋点数据已发送到ECG.