

APKBUS

仓库依赖管理器

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滴滴、乐视 -> TCL·雷鸟

</> 开源贡献

Repo 7

Code Line 39.4w

8 country 12 area -> 3 Repo

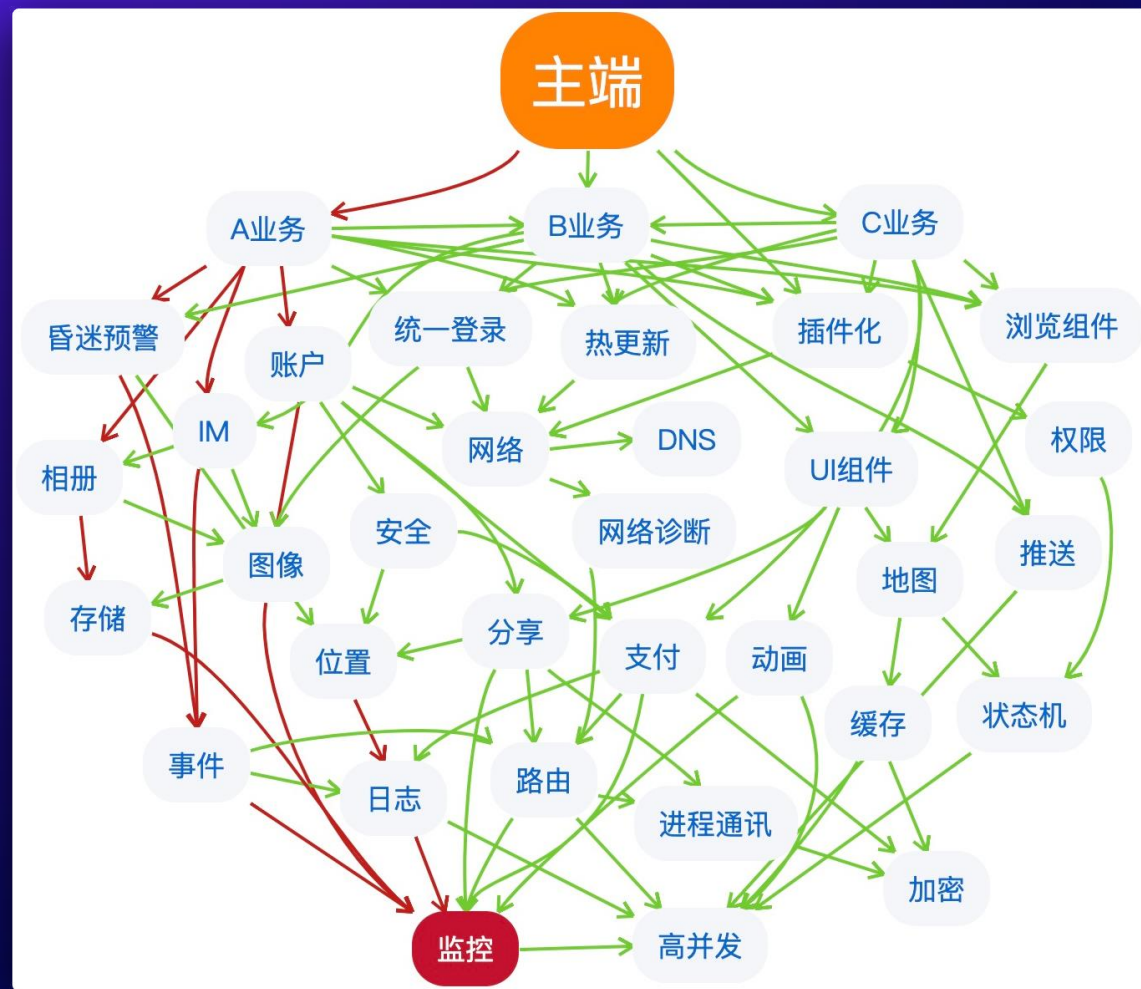
2 Repo -> Top Three

14 -> Now

</> 仓库维护的痛点

依赖关系复杂

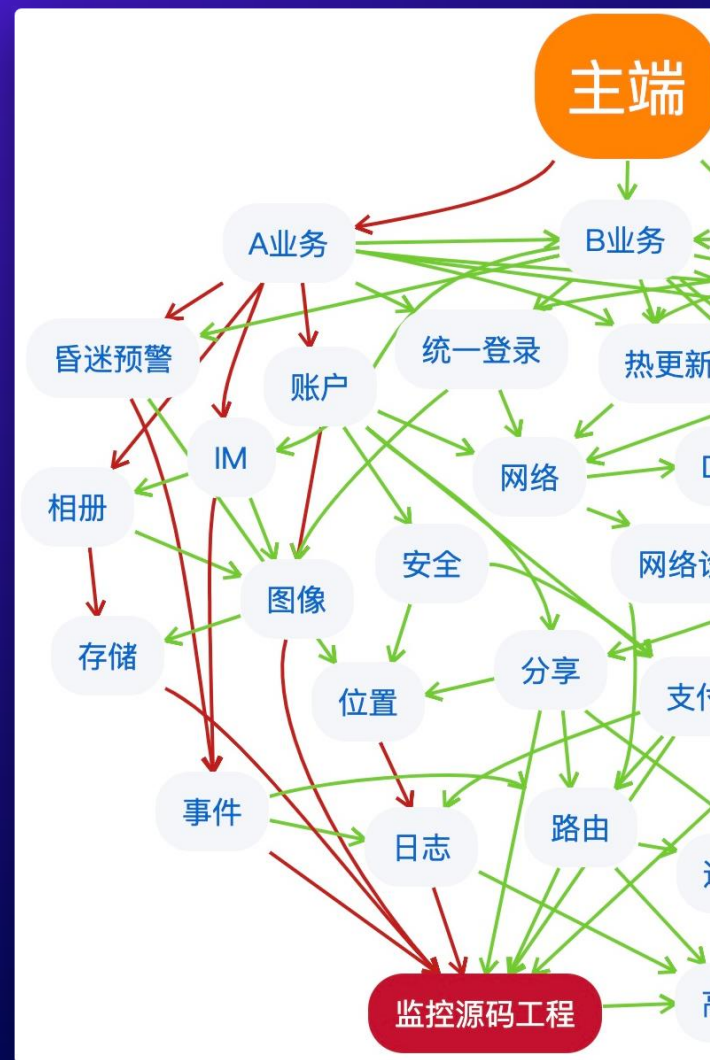
修复过程繁琐



</> 解决方案

只验证一次

一个开关，灵活切换



</> 关键点

- 1 配置语言怎么选？
- 2 动态加载DSL
- 3 动态包含任意地址本地仓库
- 4 动态去除线上、添加本地仓库

</> 配置语言怎么选

DSL vs JSON

```
pod {
  on_off true
  name 'sample'
  seeds 'entry'
}

pod {
  on_off true
  name 'entry'
  group 'com.tcl.ff.monitors'
  path 'Monitor/monitor-entry'
  seeds 'debug-window'
}

pod {
  on_off true
  name 'debug-window'
  group 'com.tcl.ff.monitors'
  path 'Monitor/monitor-
window'
}
```

```
{
  "on_off": true,
  "name": "sample",
  "seeds": [
    {
      "on_off": true,
      "name": "entry",
      "group": "com.tcl.ff.monitors",
      "path": "Monitor/monitor-entry",
      "seeds": [
        {
          "on_off": true,
          "name": "debug-window",
          "group": "com.tcl.ff.monitors",
          "path": "Monitor/monitor-window"
        }
      ]
    }
  ]
}
```

</> 动态加载DSL

加载DSL脚本文件：
GroovyShell#evaluate

接收DSL数据：
Pod pod(@DelegatesTo(strategy = Closure.DELEGATE_FIRST, value = Pod) Closure script)

</> 动态包含任意地址本地仓库

动态包含本地仓库：

初始化阶段 -> 加载插件 -> Settings实例-> Settings#include

指定任意本地路径：

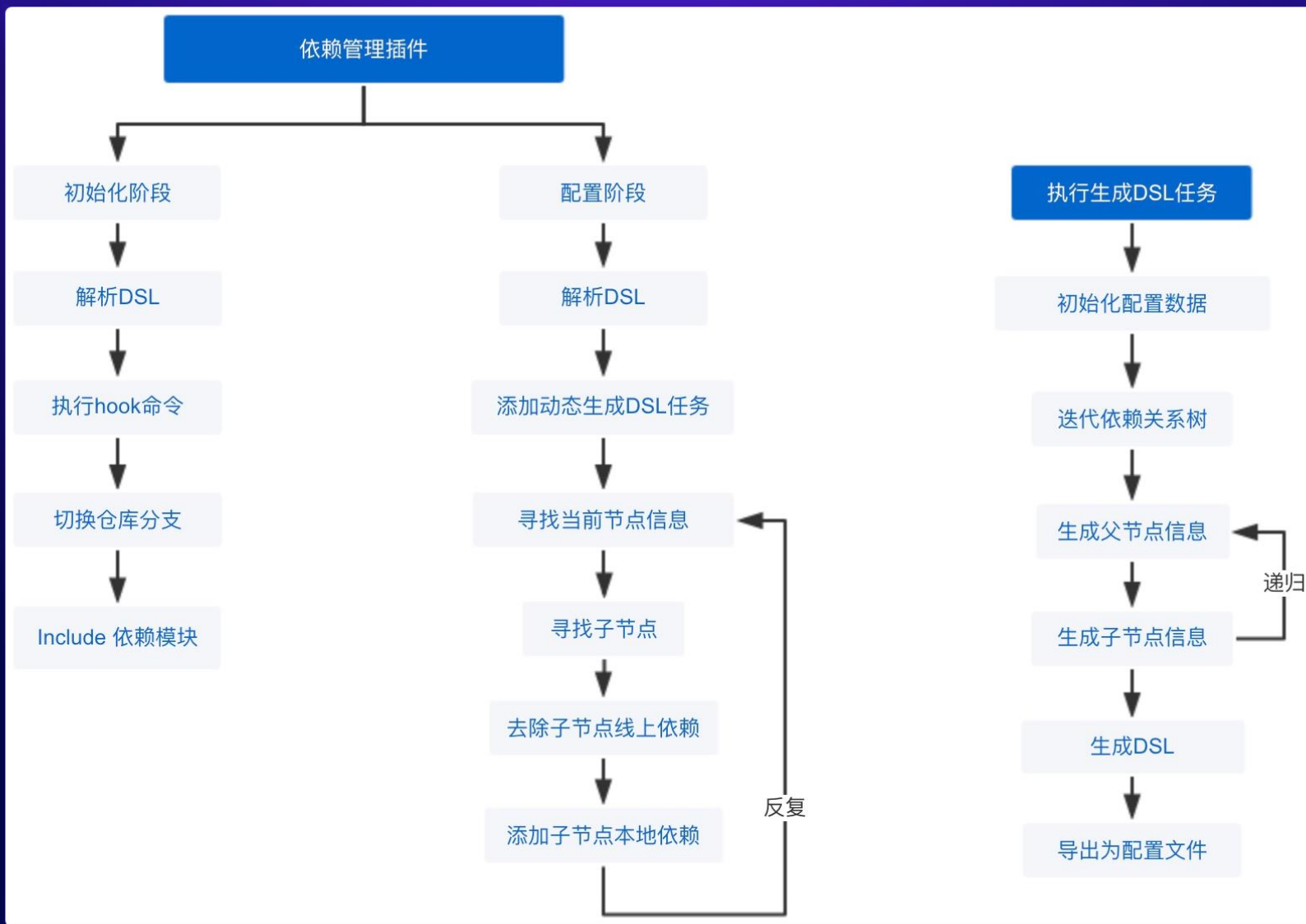
Settings#project -> ProjectDescriptor#setProjectDir

</> 动态去除线上、添加本地仓库

动态去除线上仓库：project.configurations -> Configuration#exclude

动态添加本地仓库：project.dependencies -> DependencyHandler#add

</> 流程



</> 效果

The screenshot displays an IDE interface with three main panels. The left panel shows the project structure, the middle panel shows Groovy code, and the right panel shows the dependencies list.

Project Structure (Left Panel):

- io
- sqlite
- monitor-entry [entry] ~/Workspace/Monitor/monitor
- monitor-resource-android [resource] ~/Workspace/Monitor/monitor
- monitor-trace [trace] ~/Workspace/Monitor/monitor
- monitor-window [debug-window] ~/Workspace/Monitor/monitor
- MonitorsSample ~/Workspace/MonitorsSample
 - .gradle
 - .idea
 - gradle
 - greenbean.pods
 - PodsSpec.groovy
 - sample
 - .gitignore
 - build.gradle
 - gradle.properties
 - gradlew
 - gradlew.bat
 - local.properties
 - MonitorsSample.iml
 - README.md
 - settings.gradle
 - External Libraries
 - Scratches and Consoles

Groovy Code (Middle Panel):

```
pod {
    on_off true
    name 'sample'
    seeds 'io', 'resource', 'entry', 'trace', 'sqlite'
}

pod {
    on_off true
    name 'entry'
    group 'com.tcl.ff.monitors'
    path 'Monitor/monitor-entry'
    seeds 'debug-window'
}

pod {
    on_off true
    name 'debug-window'
    group 'com.tcl.ff.monitors'
    path 'Monitor/monitor-window'
}

pod {
    on_off true
    name 'trace'
    group 'com.tcl.ff.monitors'
    path 'Monitor/monitor-trace'
    seeds 'entry'
}

pod {
    on_off true
    name 'io'
    group 'com.tcl.ff.monitors'
    path 'Monitor/monitor-io'
    seeds 'entry'
}
```

Dependencies (Right Panel):

```
dependencies {
    implementation fileTree(dir: 'libs', include: ['*.jar'])
    testImplementation 'junit:junit:4.12'
    androidTestImplementation 'com.android.support.test:runner:'
    androidTestImplementation 'com.android.support.test.espresso:'

    implementation 'com.android.support:appcompat-v7:27.1.1'
    implementation "org.jetbrains.kotlin:kotlin-stdlib-jdk7:$kotlin_version"
    implementation 'com.android.support.constraint:constraint-layout:1.1.3'
    implementation 'nl.dionsegijn:konfetti:1.1.2'
    debugImplementation 'com.star.leakcanary:leakcanary-android:1.3.1'
    releaseImplementation 'com.star.leakcanary:leakcanary-android:1.3.1'

    implementation "com.tcl.ff.monitors:debug-window:$rootProject.ext.monitorsVersion"
    implementation "com.tcl.ff.monitors:io:$rootProject.ext.monitorsVersion"
    implementation "com.tcl.ff.monitors:trace:$rootProject.ext.monitorsVersion"
    implementation "com.tcl.ff.monitors:resource:$rootProject.ext.monitorsVersion"
    implementation "com.tcl.ff.monitors:sqlite:$rootProject.ext.monitorsVersion"
}
```

</> 联系方式



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