

# 猿人学-frida 基础使用

纯文本

开发环境配置：

```
https://nodejs.org/zh-cn/download/  
npm install @types/frida-gum
```

见过的较好的frida笔记：

```
https://kevinspider.github.io/frida/frida-hook-java/  
https://kevinspider.github.io/frida/frida-hook-so/  
https://eternalsakura13.com/2020/07/04/frida/
```

官方api：

```
https://frida.re/docs/javascript-api/
```

课程练习apk源码及下载地址

```
https://github.com/huaerxiela/LessonTest  
https://github.com/huaerxiela/LessonTest/releases
```

优雅的frida-rpc

```
https://mp.weixin.qq.com/s/z03jE038NxLemBpfN3TnHw
```

查看手机架构

```
adb shell getprop ro.product.cpu.abi
```

Android逆向之分析基操

```
https://mp.weixin.qq.com/s/IovgsqprLYSnKsH61EP-EQ
```

细说So动态库的加载流程

```
https://bbs.pediy.com/thread-255674.htm
```

.init .initarray和JNIOnload

```
https://www.cnblogs.com/runope/p/14789784.html
```

Frida hook Java/Native与init\_array 自吐最终方案

```
https://bbs.pediy.com/thread-267430.htm
```

```
dlopen -> CallConstructors -> init, init_array(反调试, 检测, ollvm字符串加解密)  
dlsym(JNI_ONLOAD)
```

对app自身so文件的自定义svc进行hook

1, so加载进内存, 完成重定位

2, init, init\_array之前

so dump之后修复: SOFIXER

//应用以32位在64位终端环境下运行

//adb install --abi armeabi-v7a <path to apk>

so分析(trace)

ida-ins trace

frida-stalker

目前只支持arm64, why: arm32终将过去式, arm64才是主流

sktrace: <https://github.com/huaerxiela/sktrace.git>

课程环境:

frida --version: 15.2.2

frida-server --version: 15.2.2

example: python sktrace.py -m attach -l libhello-jni.so -i 0x1CFF0 He  
unicorn-unidbg-kingtrace

纯文本

```
function searchInterface() {
    Java.perform(function () {
        Java.enumerateLoadedClasses({
            onComplete: function () { },
            onMatch: function (name, handle) {
                if (name.indexOf("com.hexl.lesstest.logic") > -1) { // 使
                    var targetInterface = "com.hexl.lesstest.logic.IAnim
                    if (targetInterface === name) {
                        return;
                    }
                    console.log("find class");
                    var targetClass = Java.use(name);
                    console.log("\t", name);
                    var superClassName;
                    while (1) {
                        var interfaceList = targetClass.class.getInterfaces
                        if (interfaceList.length > 0) {
                            for (var i in interfaceList) {
```

```

        var interString = interfaceList[i].toString
        if (interString.indexOf(targetInterface) >
            console.log("\t\t\t", interString); //
            break;
        }
    }
}
superClassName = targetClass.$super.$className;
targetClass = targetClass.$super;
if ("java.lang.Object" === superClassName) {
    break;
}
console.log("\t\t", superClassName) // 打印类名
}
}
}
})
}
setImmediate(searchInterface)

```

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