

# Hunting Malware in Clone Iphone

Clone phones doesn't hurts your health only...

# WHOAMI

#! FenriScan

#! Malware.ninja

#! Flag4beer







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See larger image



## Goophone 11 Pro 6.5inch Xs Max X Octa Core Dual Sim Fingerprint Android Show 4G LTE 4G+512GB Unlocked Smartphones

★★★★★ 15 Review(s) | 70 Transactions

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Discount Price: **US \$98.99** / Piece

Reference Currency ▼

US \$87.44 - 99.99 / Piece

APP-only **US \$85.69-97.99** ▼

Color:

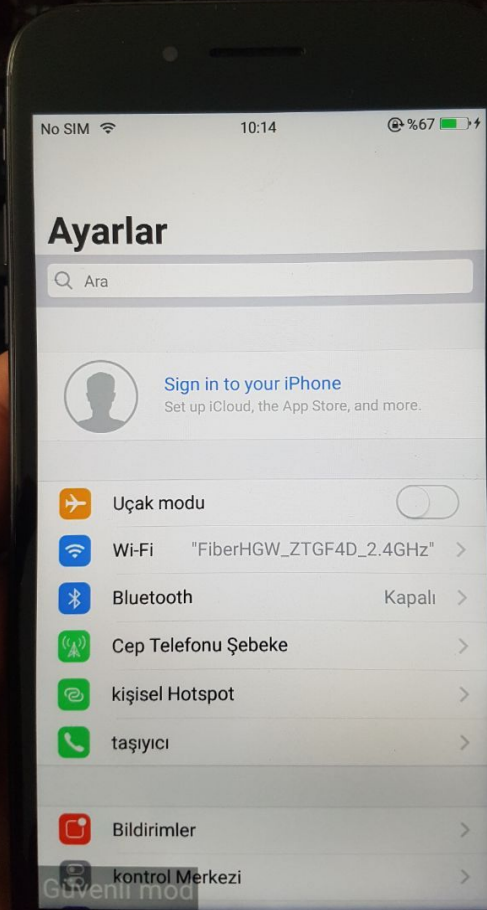
Options:

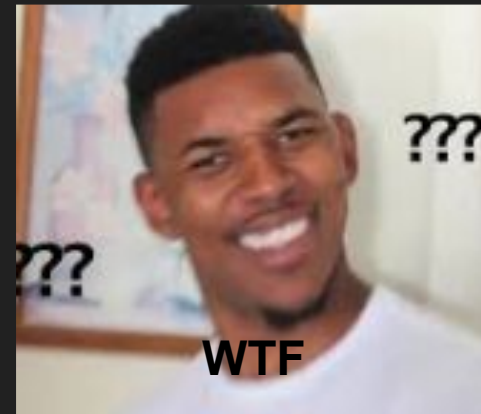
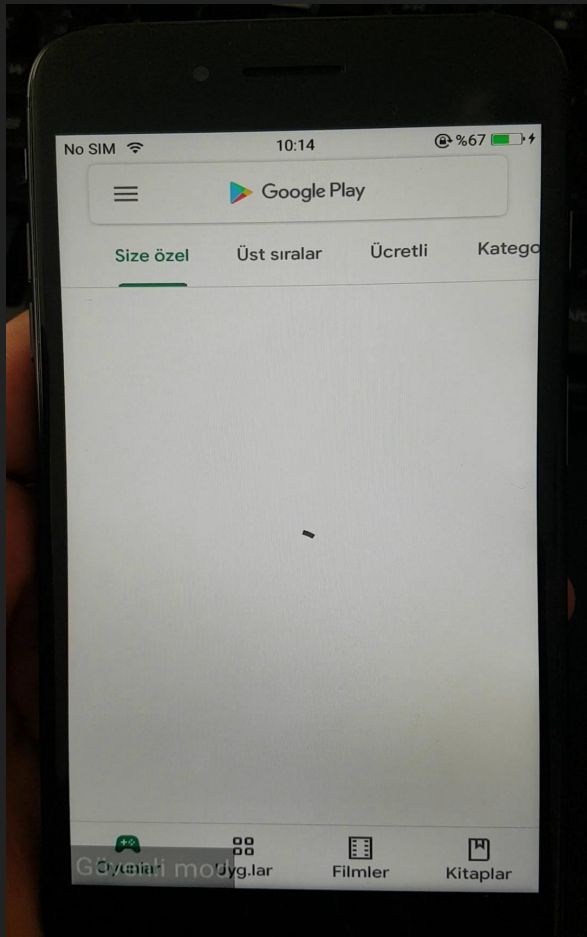
Wholesale Price ( Piece ):	1 +	4 +	12 +
	US \$98.99	US \$89.72	US \$86.57
	US \$99.99	US \$90.63	US \$87.44

Quantity:  Piece 1075 in Stock ( Stock in: CN )

Shipping Cost: to United States ▼







```
> adb shell getprop
```

```
[ro.board.platform]: [mt6580]  
[ro.boot.bootreason]: [wdt_by_pass_pwk]  
[ro.boot.hardware]: [mt6580]
```

```
[ro.fota.platform]: [MTK6580_6.0]
```

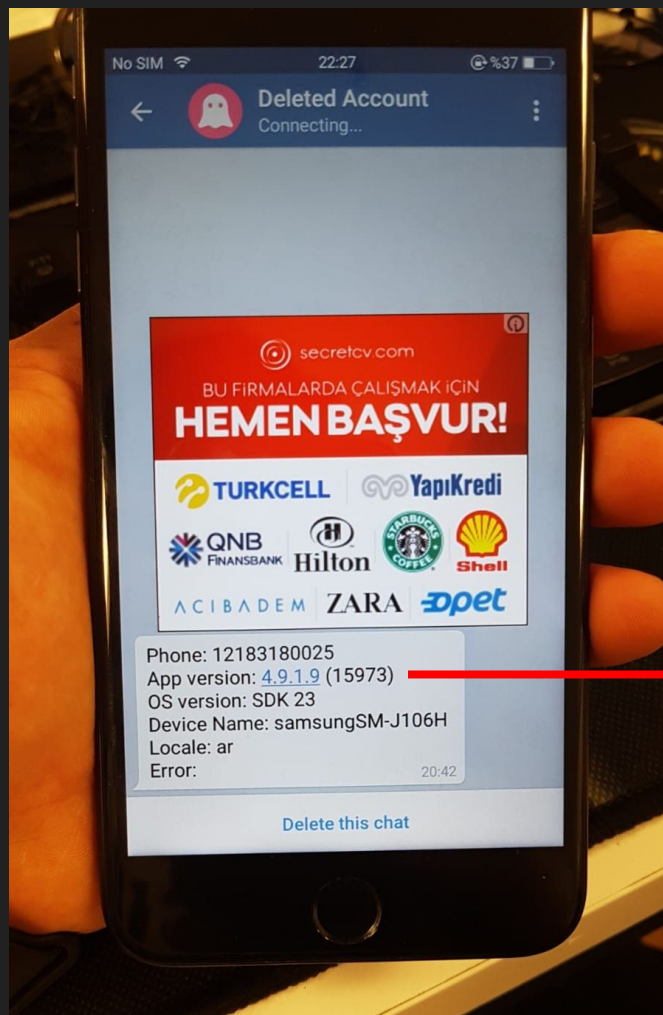
## MEDIATEK MT6580 SoC

4x ARM Cortex-A7 MPcore

Mali 400 MP GPU

4x ARM Cortex-A7 MPcore





backdoor app ?

> Adb shell

> pm list packages

```
shell@8 plus:/ $ pm list packages
package:com.mediatek.ppl
package:com.snowfish.aios.launcher
package:com.google.android.youtube
package:org.simalliance.openmobileapi.uicc2terminal
package:com.android.providers.telephony
package:com.adups.fota.sysoper
package:com.google.android.googlequicksearchbox
package:com.mediatek.camera
```

> pm path %package%

```
shell@8 plus:/ $ pm path com.mediatek.dataprotection
package:/system/plugin/DataProtection/DataProtection.apk
```

```













1 import os
2
3 filepath = 'v.txt'
4
5 with open(filepath) as fp:
6     line = fp.readline()
7     cnt = 1
8     while line:
9         os.system("adb.exe pull path {} D:/STUFF/TOOLS/platform-tools/apks".format(line.strip()))
10        line = fp.readline()
11        cnt += 1

```

<input type="checkbox"/> AdupsFota.apk	<input type="checkbox"/> FprintCalibration.apk	<input type="checkbox"/> MiraVision.apk	<input type="checkbox"/> Uicc1Terminal.apk
<input type="checkbox"/> AdupsFotaReboot.apk	<input type="checkbox"/> framework-res.apk	<input type="checkbox"/> MmsService.apk	<input type="checkbox"/> Uicc2Terminal.apk
<input type="checkbox"/> ApplicationsProvider.apk	<input type="checkbox"/> FusedLocation.apk	<input type="checkbox"/> MtkCalendar.apk	<input type="checkbox"/> UserDictionaryProvider.apk
<input type="checkbox"/> AtciService.apk	<input type="checkbox"/> FwkPlugin.apk	<input type="checkbox"/> MTKLogger.apk	<input type="checkbox"/> VoiceCommand.apk
<input type="checkbox"/> AutoDialer.apk	<input type="checkbox"/> FWUpgrade.apk	<input type="checkbox"/> MtkMms.apk	<input type="checkbox"/> VoiceExtension.apk
<input type="checkbox"/> Baidu_Location.apk	<input type="checkbox"/> FWUpgradeProvider.apk	<input type="checkbox"/> MusicFX.apk	<input type="checkbox"/> VpnDialogs.apk
<input type="checkbox"/> base.apk	<input type="checkbox"/> Galaxy4.apk	<input type="checkbox"/> MyFiles.apk	<input type="checkbox"/> Wallet.apk
<input type="checkbox"/> BasicDreams.apk	<input type="checkbox"/> Gallery2.apk	<input type="checkbox"/> NlpService.apk	<input type="checkbox"/> WallpaperCropper.apk
<input type="checkbox"/> BatteryWarning.apk	<input type="checkbox"/> GoogleKorealIME.apk	<input type="checkbox"/> NoiseField.apk	<input type="checkbox"/> webview.apk
<input type="checkbox"/> Bluetooth.apk	<input type="checkbox"/> GooglePartnerSetup.apk	<input type="checkbox"/> Omacp.apk	<input type="checkbox"/> WristService.apk
<input type="checkbox"/> BluetoothMidiService.apk	<input type="checkbox"/> GoogleServicesFramework.apk	<input type="checkbox"/> OneTimeInitializer.apk	<input type="checkbox"/> YGPS.apk
<input type="checkbox"/> BSPTelephonyDevTool.apk	<input type="checkbox"/> HoloSpiralWallpaper.apk	<input type="checkbox"/> PackageInstaller.apk	<input type="checkbox"/> zhixin-framework-res.apk

# HASH DUMP

```
1 from os import listdir
2     from os.path import isfile, join
3     import hashlib
4 import selenium
5
6 def md5(fname):
7     hash_md5 = hashlib.md5()
8     with open(fname, "rb") as f:
9         for chunk in iter(lambda: f.read(4096), b''):
10             hash_md5.update(chunk)
11     return hash_md5.hexdigest()
12
13 onlyfiles = [f for f in listdir('D:/STUFF/TOOLS/platform-tools/apks') if isfile(join('D:/STUFF/TOOLS/platform-tools/apks', f))]
14
15 for i in onlyfiles:
16     print(md5('D:/STUFF/TOOLS/platform-tools/apks/'+i))
17     with open("md5sum.txt", "a") as cart:
18         cart.write(md5('D:/STUFF/TOOLS/platform-tools/apks/'+i)+'\n')
```

 AdupsFota.apk	14/02/2020 14:09	APK File	1,901 KB
 ailfreeder.apk	21/02/2020 03:19	APK File	1,666 KB
 denis.apk	21/02/2020 03:10	APK File	1,667 KB
 FileManager.apk	21/02/2020 03:36	APK File	450 KB
 nawdl.apk	21/02/2020 03:08	APK File	281 KB
 nts.ppy.apk	21/02/2020 03:37	APK File	45 KB
 qianqi.apk	21/02/2020 03:04	APK File	3,321 KB
 randomstring.apk	21/02/2020 03:30	APK File	32 KB
 Safari.apk	21/02/2020 03:33	APK File	4,486 KB
 Telecom.apk	21/02/2020 03:44	APK File	509 KB
 xamk-game.apk	21/02/2020 03:20	APK File	2,683 KB
 zuyun.apk	21/02/2020 03:32	APK File	2,749 KB



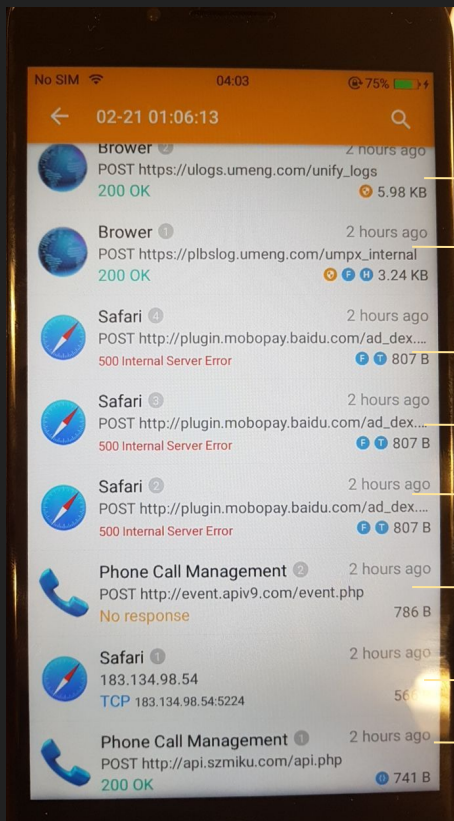


**TO STATIC CODE  
ANALYSIS**

# NOW TIME SNIFF NETWORK

;)





WE'VE GOT SOME WEIRD TRAFFIC



TOOL : HTTPCANARY

# EXAMPLE REQUEST

http://event.apiv9.com/event.php

Status	Failed
Injected	false
Response Code	-
Protocol	HTTP/1.1
Method	POST
Host	event.apiv9.com
Kept Alive	true
Content-Type	text/xml
Content-Type	-
Remote Address	195.22.26.248:80

## Timing

Start Time	2020-02-21 04:40:19.878
End Time	2020-02-21 04:40:21.300

## Overview

## Request

## Response

```
{
  "group": "mikey",
  "sdk": "23",
  "deviceMode": "8plus",
  "Language": "en",
  "uuid": "f63d2aca-e6b2-465b-8248-25a49869faaa",
  "Manufacturer": "iPhone",
  "app": "log",
  "parent": "miku",
  "OSVersion": "6.0",
  "vcode": "5",
  "imei": "355149886721769",
  "mode": "zhixin_0904",
  "BuildNumber": "iOS11.2",
  "channel": "miku_zhixin_0904",
  "logplureg": 1
}
```

URL http://sdk.open.phone.igexin.com/api.php?format=json&t=1

```
{
  "BIData":
    "MjAxNy0wNi0xNSAxNzoyMDozMnwlNzhmZjgwYzZjZjcZTUyOWIOMmJjZDZlNGE4Mzk4OXAxRzJYUGVMaFJDOEtDYmp5Z2d5WDQ3fDE0OTc1NjE2MjB8czZHWVJrQVVRt1FQd0s0UHwxCjIwMTctMDYtMTUgMTc6MjA6MzJ8NTc4ZmY4MGMzN2Y3MWU1MjllNDJiY2QyZTRhODM5ODl8a0cyWFB1TGhSQzhLQ2JqeWdneVg0N3wxNDk3NTYxNjIzfHM2Rl1ia0FVa09RUHdLNFB8MgoyMDE3LTA2LTE1IDE3OjIwOjMyfDU3OGZmODBjMzdmNzFlNTI1Y2QyYmNkMmU0YTgzOTg5fGtHMLhQZUxoUkM4S0NianlnZ3lYNDd8MTQ5NzU2MTYzMnxzNkdZYmtBVWtPUVB3S8zRQfDA=",
  "BIType": "22",
  "action": "upload_BI",
  "cid": "578ff80c37f71e529b42bcd2e4a83989"
}
```

<http://sdk.open.lbs.igexin.com/api.htm>

<http://sdk.open.amp.igexin.com/>

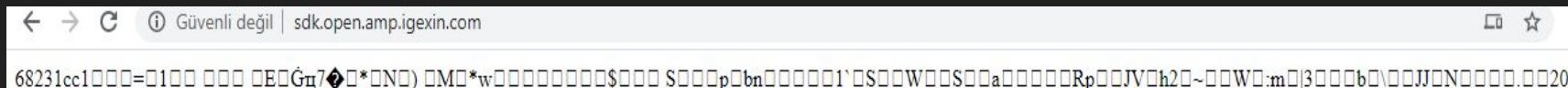
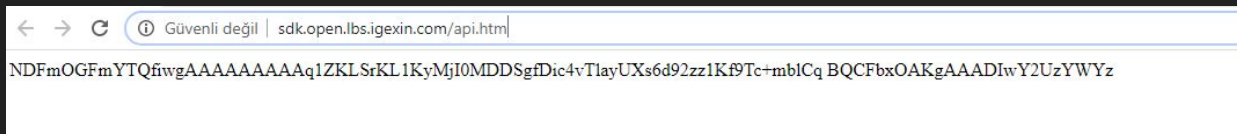
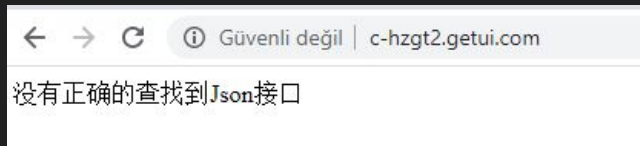
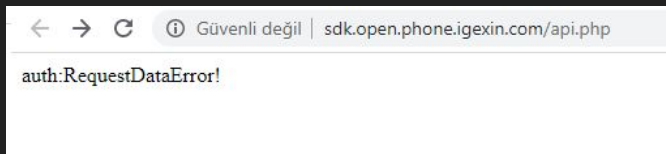
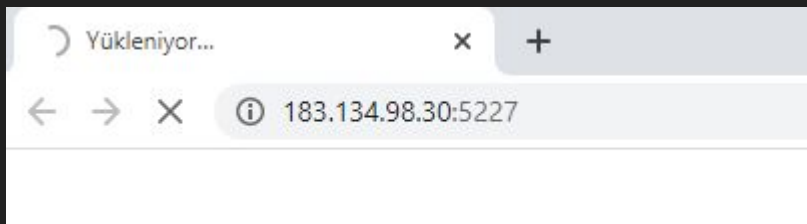
<http://d.gt.igexin.com/api.htm>

<http://s-gt.getui.com/api.php>

<http://c-hzgt2.getui.com/>

<http://sdk.open.phone.igexin.com/api.php>

[http://sj54.nnmwm.com:90//upload/google\\_c.action](http://sj54.nnmwm.com:90//upload/google_c.action)





# Igexin SDK (software development kit) ?

Not all igexin sdk versions has malicious functionality

[http: // sdk \[.\] Open \[.\] Phone \[.\] Igexin \[.\] com / api.php](http://sdk[.]Open[.]Phone[.]Igexin[.]com/api.php)

ADVERTISING SDK

data collected about people such as their interests, occupation, income, and location.

<http://c-hzgt2.getui.com/>

<http://s-gt.getui.com/api.php>

← → ↻ ① Güvenli değil | yunmeng.getui.com

云盟数智 Temel avantaj Çözümler Tipik müşteri BİZE ULAŞIN

Akıllı Veri şirketlere listelenen **bir itme** , bir yüz iştiraki: (günlük etkileşim 300 du

**Veri teknolojisine dayalı, APP tanıtım**

**Cloud Alliance Dijital İstihbarat • Yeni nesil APP tanıtım hizmeti**

Benzersiz veri güçlendirme

İlk 1 Üretimi  
Saf medya ajansı

İlk 2. Kuşak  
Rafine operasyon hizmetleri

**GuangDianTong Çekirdek Ajan**  
Neredeyse on yıl profesyonel hizmet deneyimi

**Tek noktadan tanıtım planı**  
Akıllı müşteri kazanımından hedeflenen promosyona

**Tüm alanlarda veri toplama**  
Büyük Veri Kabiliyeti Desteği  
Günlük 400 milyondan fazla canlı

**Tam ekolojik akış entegrasyonu**  
Devasa, yüksek kaliteli trafiği birleştirme

# Connections

```
shell@8 plus:/ $ netstat -natp
(Not all processes could be identified, non-owned process info will not be shown, you would have
1.)
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program Name
tcp        0     0 192.168.1.53:59306     172.217.17.174:443     CLOSE_WAIT -
tcp        0     0 192.168.1.53:56348     149.154.167.92:443     ESTABLISHED -
tcp        0     0 :::8100                :::*                   LISTEN      -
tcp        0     0 :::51688               :::*                   LISTEN      -
tcp        0     0 :::48432               :::*                   LISTEN      -
tcp        0     0 ::ffff:192.168.1.53:35905 ::ffff:183.134.98.30:5227 ESTABLISHED -
tcp        1     0 ::ffff:192.168.1.53:60135 ::ffff:216.58.206.170:443 CLOSE_WAIT -
tcp        0     0 ::ffff:192.168.1.53:60083 ::ffff:195.22.26.248:80 CLOSE_WAIT -
tcp        1     0 ::ffff:192.168.1.53:56884 ::ffff:216.58.206.170:443 CLOSE_WAIT -
tcp        1     0 ::ffff:192.168.1.53:56989 ::ffff:216.58.206.170:443 CLOSE_WAIT -
tcp        1     0 ::ffff:192.168.1.53:42130 ::ffff:216.58.206.170:443 CLOSE_WAIT -
tcp        0     0 ::ffff:192.168.1.53:56633 ::ffff:173.194.69.188:5228 ESTABLISHED -
```

172.217.17.174 : 443 -> google

149.154.167.92 : 443 -> telegram

183.134.98.30 : 5227 -> cm-10-39.igexin.com

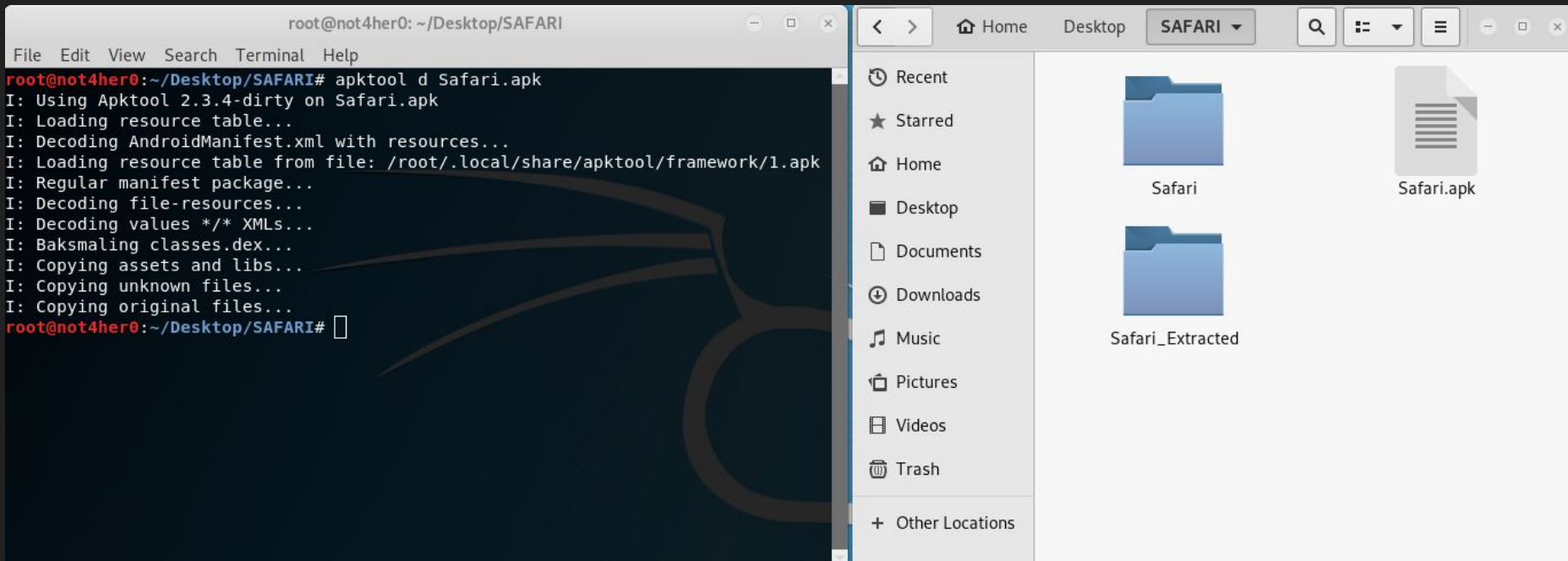
195.22.26.248 : 80 -> CnC Server TCP group 61

173.194.69.188 : 5228 -> google

183.131.24.149 : 5226 -> cm-10-47.igexin.com

183.134.98.101 : 5224 -> talk.nz.igexin.com

# SAFARI BROWSER STATIC CODE ANALYSIS



```
root@not4her0: ~/Desktop/SAFARI/Safari_Extracted
File Edit View Search Terminal Help
root@not4her0:~/Desktop/SAFARI/Safari_Extracted# ls
AndroidManifest.xml  assets  classes.dex  lib  META-INF  org  res  resources.arsc
root@not4her0:~/Desktop/SAFARI/Safari_Extracted# d2j-dex2jar classes.dex
dex2jar classes.dex -> ./classes-dex2jar.jar
root@not4her0:~/Desktop/SAFARI/Safari_Extracted# ls
AndroidManifest.xml  classes.dex  lib  org  resources.arsc
assets  classes-dex2jar.jar  META-INF  res
root@not4her0:~/Desktop/SAFARI/Safari_Extracted#
```

a.class - Java Decompiler

File Edit Navigation Search Help

classes-dex2jar.jar

android

com

igexin

a

a.class

b.class

c.class

d.class

e.class

f.class

g.class

h.class

i.class

j.class

k.class

n.class

a.class

b.class

c.class

d.class

e.class

f.class

g.class

h.class

i.class

j.class

k.class

rK3B.class

qZWsz.class

Bir.class

bl.class

JTOL.class

t8.class

Dz.class

XXG1Qw.class

R.class

feDAs4.class

w92O.class

QYFdn1.class

ZNQp.class

PzmA.class

gsW9K1.class

ysFAL.class

ZNQP.class

eam.class

wP.class

dtZ.class

a.class

```
package com.igexin.a.a;

import java.nio.ByteBuffer;
import java.nio.ByteOrder;

public class a extends d {
    public a(i paramj, g paramc, long paramLong, int paramInt) {
        paramLong = (paramInt * 8) + paramLong;
        this.a = paramj.c(byteBuffer, paramLong);
        this.b = paramj.g(byteBuffer, paramLong + 4L);
    }
}
```



## AndroidManifest.xml

~/Desktop/sokso/Safari

Save



Open ▾



```
<uses-permission android:name="android.permission.SEND_SMS"/>
<uses-permission android:name="android.permission.SET_TIME_ZONE"/>
<uses-permission android:name="android.permission.SET_WALLPAPER"/>
<uses-permission android:name="android.permission.SET_WALLPAPER_HINTS"/>
<uses-permission android:name="android.permission.SUBSCRIBED_FEEDS_READ"/>
<uses-permission android:name="android.permission.SUBSCRIBED_FEEDS_WRITE"/>
<uses-permission android:name="android.permission.TRANSMIT_IR"/>
<uses-permission android:name="android.permission.USE_CREDENTIALS"/>
<uses-permission android:name="android.permission.USE_SIP"/>
<uses-permission android:name="android.permission.WRITE_CALENDAR"/>
<uses-permission android:name="android.permission.WRITE_CALL_LOG"/>
<uses-permission android:name="android.permission.WRITE_CONTACTS"/>
<uses-permission android:name="android.permission.WRITE_PROFILE"/>
<uses-permission android:name="android.permission.WRITE_SETTINGS"/>
<uses-permission android:name="android.permission.WRITE_SMS"/>
<uses-permission android:name="android.permission.WRITE_SOCIAL_STREAM"/>
<uses-permission android:name="android.permission.WRITE_SYNC_SETTINGS"/>
<uses-permission android:name="android.permission.WRITE_USER_DICTIONARY"/>
<uses-permission android:name="com.android.alarm.permission.SET_ALARM"/>
<uses-permission android:name="com.android.vending.BILLING"/>
<uses-permission android:name="com.android.vending.CHECK_LICENSE"/>
<uses-permission android:name="com.android.voicemail.permission.ADD_VOICEMAIL"/>
<uses-permission android:name="com.google.android.c2dm.permission.RECEIVE"/>
<uses-permission android:name="com.google.android.gms.permission.ACTIVITY_RECOGNITION"/>
<uses-permission android:name="com.google.android.gms.permission.AD_ID_NOTIFICATION"/>
<uses-permission android:name="com.google.android.googleapps.permission.GOOGLE_AUTH"/>
<uses-permission android:name="com.google.android.googleapps.permission.GOOGLE_AUTH.OTHER_SERVICES"/>
<uses-permission android:name="com.google.android.googleapps.permission.GOOGLE_AUTH.YouTubeUser"/>
<uses-permission android:name="com.google.android.googleapps.permission.GOOGLE_AUTH.adsense"/>
<uses-permission android:name="com.google.android.googleapps.permission.GOOGLE_AUTH.adwords"/>
<uses-permission android:name="com.google.android.googleapps.permission.GOOGLE_AUTH.ah"/>
<uses-permission android:name="com.google.android.googleapps.permission.GOOGLE_AUTH.android"/>
<uses-permission android:name="com.google.android.googleapps.permission.GOOGLE_AUTH.androidsecure"/>
<uses-permission android:name="com.google.android.googleapps.permission.GOOGLE_AUTH.blogger"/>
<uses-permission android:name="com.google.android.googleapps.permission.GOOGLE_AUTH.cl"/>
<uses-permission android:name="com.google.android.googleapps.permission.GOOGLE_AUTH.cp"/>
<uses-permission android:name="com.google.android.googleapps.permission.GOOGLE_AUTH.dodgeball"/>
```

```

package com.igexin.download;

import android.os.Handler;
import android.os.Looper;
import android.os.Message;

class j extends Handler {
    j(SdkDownloader paramSdkDownloader, Looper paramLooper) {
        super(paramLooper);
    }

    public void handleMessage(Message paramMessage) {
        switch (paramMessage.what) {
            default:
                return;
            case 2:
                break;
        }
        synchronized (SdkDownloader.a(this.a)) {
            if (SdkDownloader.b(this.a).size() > 0 && this.a.updateData.size() > 0)
                for (DownloadInfo downloadInfo : this.a.updateData.values()) {
                    iDownloadCallback iDownloadCallback = this.a.g(downloadInfo.mData8);
                    if (iDownloadCallback != null)
                        iDownloadCallback.update(downloadInfo);
                }
        }
        /* monitor exit ClassFileLocalVariableReferenceExpression{type=ObjectType{android/os/Message}, name=paramMessage} */
    }
}

```

```

.locals 1

iget-object v0, p0, Lw/Bir;->c8XA:Ldalvik/system/DexClassLoader;

return-object v0
.end method

.method public final c8XA(Ldalvik/system/DexClassLoader;)V
    .locals 2

    iput-object p1, p0, Lw/Bir;->c8XA:Ldalvik/system/DexClassLoader;

    sget v0, Landroid/os/Build$VERSION;->SDK_INT:I

    const/16 v1, 0x33a

    if-le v0, v1, :cond_0

```

```
private i a(JSONObject paramJSONObject) {
    if (!paramJSONObject.has("domain"))
        return null;
    i j2 = new i();
    j2.a(paramJSONObject.getString("domain"));
    if (paramJSONObject.has("port"))
        j2.a(paramJSONObject.getInt("port"));
    if (paramJSONObject.has("ip"))
        j2.b(paramJSONObject.getString("ip"));
    if (paramJSONObject.has("consumeTime"))
        j2.a(paramJSONObject.getLong("consumeTime"));
    if (paramJSONObject.has("detectSuccessTime"))
        j2.b(paramJSONObject.getLong("detectSuccessTime"));
    if (paramJSONObject.has("isDomain"))
        j2.a(paramJSONObject.getBoolean("isDomain"));
    i j1 = j2;
    if (paramJSONObject.has("connectTryCnt")) {
        j2.b(paramJSONObject.getInt("connectTryCnt"));
        j1 = j2;
    }
    return j1;
}

private List<String> a() {
    String[] arrayOfString = SDKUrlConfig.getXfrAddress();
    ArrayList<String> arrayList = new ArrayList();
    int i = arrayOfString.length;
    for (byte b = 0; b < i; b++) {
        String str = arrayOfString[b];
        if (!arrayList.contains(str))
            arrayList.add(str);
    }
    return arrayList;
}

private List<String> a(JSONArray paramJSONArray) {
    ArrayList<String> arrayList = new ArrayList();
    byte b = 0;
    try {
        while (b < paramJSONArray.length()) {
            arrayList.add(paramJSONArray.getJSONObject(b).getString("domain"));
            b++;
        }
    } catch (Exception exception) {}
    return arrayList;
}
```

```
public class SDKUrlConfig {
    public static String[] AMP_ADDRESS_IPS;

    public static String[] BI_ADDRESS_IPS;

    public static String[] CONFIG_ADDRESS_IPS;

    public static String[] INC_ADDRESS_IPS;

    public static String[] LBS_ADDRESS_IPS;

    public static String[] LOG_ADDRESS_IPS;

    public static String[] STATE_ADDRESS_IPS;

    public static String[] XFR_ADDRESS_BAK;

    private static final Object a = new Object();

    private static String[] b;

    private static String c = "HZ";

    private static String[] d = new String[] { "socket://sdk.open.talk.igexin.com:5224", "socket://sdk.open.talk.getui.net:5224", "socket://sdk.open.talk.gepush.com:5224" };

    private static volatile String e;

    static {
        XFR_ADDRESS_BAK = new String[] { "socket://42.62.120.14:5224" };
        BI_ADDRESS_IPS = new String[] { "http://sdk.open.phone.igexin.com/api.php" };
        CONFIG_ADDRESS_IPS = new String[] { "http://c-hzgt2.getui.com/api.php" };
        STATE_ADDRESS_IPS = new String[] { "http://s-gt.getui.com/api.php" };
        LOG_ADDRESS_IPS = new String[] { "http://d.gt.igexin.com/api.htm" };
        AMP_ADDRESS_IPS = new String[] { "http://sdk.open.amp.igexin.com/api.htm" };
        LBS_ADDRESS_IPS = new String[] { "http://sdk.open.lbs.igexin.com/api.htm" };
        INC_ADDRESS_IPS = new String[] { "http://sdk.open.inc2.igexin.com/api.php" };
    }
}
```



```

public class p {
    public static void a() {
        try {
            Bundle bundle = (g.f.getPackageManager().getApplicationInfo(g.f.getPackageName(), 128)).metaData;
            if (bundle != null) {
                Iterator<String> iterator = bundle.keySet().iterator();
                while (iterator.hasNext()) {
                    String str = iterator.next();
                    if (str.equals("PUSH_DOMAIN")) {
                        StringBuilder stringBuilder = new StringBuilder();
                        this();
                        a.b(stringBuilder.append("PUSH_DOMAIN:").append(bundle.getString(str)).toString());
                        a(bundle.getString(str));
                        break;
                    }
                }
            }
        } catch (Exception exception) {
            a.b(exception.toString());
        }
    }

    private static void a(String paramString) {
        SDKUrlConfig.setXfrAddressIps(new String[] { "socket://xfr." + paramString + ":5224" });
        a.b("XFR_ADDRESS_IPS:" + SDKUrlConfig.getXfrAddress()[0]);
        SDKUrlConfig.XFR_ADDRESS_BAK = new String[] { "socket://xfr_bak." + paramString + ":5224" };
        a.b("XFR_ADDRESS_IPS_BAK:" + SDKUrlConfig.XFR_ADDRESS_BAK[0]);
        SDKUrlConfig.BI_ADDRESS_IPS = new String[] { "http://bi." + paramString + "/api.php" };
        a.b("BI_ADDRESS_IPS:" + SDKUrlConfig.BI_ADDRESS_IPS[0]);
        SDKUrlConfig.CONFIG_ADDRESS_IPS = new String[] { "http://config." + paramString + "/api.php" };
        a.b("CONFIG_ADDRESS_IPS:" + SDKUrlConfig.CONFIG_ADDRESS_IPS[0]);
        SDKUrlConfig.STATE_ADDRESS_IPS = new String[] { "http://stat." + paramString + "/api.php" };
        a.b("STATE_ADDRESS_IPS:" + SDKUrlConfig.STATE_ADDRESS_IPS[0]);
        SDKUrlConfig.LOG_ADDRESS_IPS = new String[] { "http://log." + paramString + "/api.php" };
        a.b("LOG_ADDRESS_IPS:" + SDKUrlConfig.LOG_ADDRESS_IPS[0]);
        SDKUrlConfig.AMP_ADDRESS_IPS = new String[] { "http://amp." + paramString + "/api.htm" };
        a.b("AMP_ADDRESS_IPS:" + SDKUrlConfig.AMP_ADDRESS_IPS[0]);
        SDKUrlConfig.LBS_ADDRESS_IPS = new String[] { "http://lbs." + paramString + "/api.htm" };
        a.b("LBS_ADDRESS_IPS:" + SDKUrlConfig.LBS_ADDRESS_IPS[0]);
        SDKUrlConfig.INC_ADDRESS_IPS = new String[] { "http://inc." + paramString + "/api.php" };
        a.b("INC_ADDRESS_IPS:" + SDKUrlConfig.INC_ADDRESS_IPS[0]);
    }
}

```



```

public class ShellUtils {
    public static final String COMMAND_EXIT = "exit\n";

    public static final String COMMAND_LINE_END = "\n";

    public static final String COMMAND_SH = "sh";

    public static final String COMMAND_SU = "su";

    private ShellUtils() {
        throw new AssertionError();
    }

    public static boolean checkRootPermission() {
        boolean bool = true;
        if ((execCommand("echo root", true, false)).result != 0)
            bool = false;
        return bool;
    }
}

```

```

public static String MessageDigest(byte[] paramArrayOfbyte) throws Exception {
    return HexUtil.toHexString(MessageDigest.getInstance("SHA-1").digest(paramArrayOfbyte));
}

public static void RSACipher(byte[] paramArrayOfbyte) throws Exception {
    KeyPairGenerator keyPairGenerator = KeyPairGenerator.getInstance("RSA");
    keyPairGenerator.initialize(1024);
    KeyPair keyPair = keyPairGenerator.generateKeyPair();
    Cipher cipher = Cipher.getInstance("RSA/ECB/PKCS1Padding");
    cipher.init(1, keyPair.getPublic());
    paramArrayOfbyte = cipher.doFinal(paramArrayOfbyte);
    cipher.init(2, keyPair.getPrivate());
    paramArrayOfbyte = cipher.doFinal(paramArrayOfbyte);
    System.out.println("RSACipher----" + new String(paramArrayOfbyte));
}

public static void main(String[] paramArrayOfString) throws Exception {
    BASE64("Hello World".getBytes());
    MessageDigest("Hello World".getBytes());
    MD5MessageDigest("Hello World".getBytes());
    AESCipher("Hello World".getBytes());
    DESCipher("Hello World".getBytes(), "pass");
    RSACipher("Hello World".getBytes());
    DigitalSignature("Hello World".getBytes());
}
}

```


```

root@not4her0:~/Desktop/SAFARI/Safari/assets# ls
1501062807039.dat      index_cn      quicklinks_zh_CN.json
ad_pakeage.txt         index_en      RSAKey.txt
appInfo.properties    json.txt      startpage
getui_popup_bg.9.png  quicklinks_default.json  start_page1_ch.bin
getui_popup_close.png quicklinks_EN.json      start_page1_en.bin

```

_id	key	offerId	title	mainContent	iconImageUrl	mainImageUrl	bannerImageUrl
641	12548877	29319814	The Great Ottomans - Strat...	The first mobile MMORTS b...	http://gp.apiv7.com/apk/icon...	http://gp.apiv7.com/apk/img...	http://gp.apiv7.com
642	12553287	369419	App Download - akbank dir...	Akbank Direkt Mobil uygula...	http://gp.apiv7.com/apk/icon...	http://gp.apiv7.com/apk/pic/...	http://gp.apiv7.com
643	12551714	368907	App Download - akbank dir...	Akbank Direkt Mobil uygula...	http://gp.apiv7.com/apk/icon...	http://gp.apiv7.com/apk/pic/...	http://gp.apiv7.com
644	12553023	369417	App Download - akbank dir...	Akbank Direkt Mobil uygula...	http://gp.apiv7.com/apk/icon...	http://gp.apiv7.com/apk/pic/...	http://gp.apiv7.com
645	12561337	29376441	OlympTrade – Çevrimiçi Yat...	An easy and convenient mo...		http://gp.apiv7.com/apk/pic/...	http://gp.apiv7.com
646	12558409	29368459	OlympTrade – Online Tradi...	An easy and convenient mo...		http://gp.apiv7.com/apk/pic/...	http://gp.apiv7.com
647	12554628	28504665	Arkbank Incent CPE TR-[ TR ]	Akbank Direkt Mobil uygula...	http://gp.apiv7.com/apk/icon...	http://gp.apiv7.com/apk/pic/...	http://gp.apiv7.com
648	12566032	628012925	Akbank Direkt	Akbank Direkt Mobil uygula...	http://gp.apiv7.com/apk/icon...	http://gp.apiv7.com/apk/pic/...	http://gp.apiv7.com
649	12566033	51105999	Akbank Direkt	Akbank Direkt Mobil uygula...	http://gp.apiv7.com/apk/icon...	http://gp.apiv7.com/apk/pic/...	http://gp.apiv7.com
650	12490440	352460	Akbank Direkt_261025637_...	Akbank Direkt Mobil uygula...	http://gp.apiv7.com/apk/icon...	http://gp.apiv7.com/apk/pic/...	http://gp.apiv7.com

```
<long value="1543762745890" name="last_request_list_time"/>
<int value="0" name="uninstall_already_showTime"/>
<int value="1" name="log_level"/>
<string name="controlActive">100.0</string>
<string name="advertisingid">315e3de1-f906-431c-a02e-b3ff9c56fa27</string>
<string name="user_agent_string">Mozilla/5.0 (Linux; U; Android 6.0; tr-tr; 8 plus Build/iOS11.2) AppleWebKit/537.36 (KHTML, like Gecko) Version/4.0 Mobile Safari/537.36</string>
<int value="2" name="ad_retry_times"/>
<int value="0" name="noticebarshowTime"/>
<int value="0" name="install_already_showTime"/>
<int value="1" name="intercept_open"/>
<string name="cc_info">miku_zhixin_0904</string>
<string name="wrongRate">0.3</string>
<long value="1543819012341" name="strategyupdatetime"/>
<string name="white_list">null</string>
<int value="-1" name="show_dtime"/>
<string name="network_type">F<img alt="redacted" data-bbox="150 290 395 305"/></string>
<int value="1" name="chargeshowTime"/>
<int value="60" name="track_timeout"/>
<string name="intercept_interval">1.0</string>
<int value="0" name="unlockshowTime"/>
<int value="1" name="installshowTime"/>
<string name="retry_cdn">uc.gp.apiv6.com</string>
<string name="data_app">org.telegram.messenger,com.antutu.ABenchMark,org.iarr.iijyj.zazyjbz.jqyrazi,com.baidu.map.location,cn.nts.ppy,com.samchristiansen.ioverlander.droid,</string>
<int value="20" name="in_delay"/>
<boolean value="false" name="nrp"/>
<string name="log_channel">miku_zhixin_0904</string>
<int value="0" name="ad_load_failed_time"/>
<long value="1543275969746" name="last_pop_time"/>
<long value="1557680680998" name="request_completed_time"/>
<boolean value="false" name="first"/>
<null name="sim_number"/>
<string name="listInterval">6.0</string>
<string name="referExpired">12.0</string>
<string name="supply_url"/>
<int value="0" name="bannershowTime"/>
<int value="5" name="intercept_num"/>
<string name="firstDelay">0.1</string>
<long value="1557680668722" name="last_upload_time"/>
<int value="6" name="chapingshowTime"/>
<long value="1557680666944" name="last_collect_time"/>
<int value="0" name="photo_num"/>
<int value="1" name="show_open"/>
<int value="1" name="preloadTime"/>
<string name="requestInterval">1.0</string>
<long value="1557680663985" name="last_act_gaid_time"/>
<long value="1557680663594" name="last_resume_download_time"/>
<string name="black_list">null</string>
<string
  name="sys_app">com.mediatek.ppl,com.snowfish.aios.launcher,com.google.android.youtube,org.simalliance.openmobileapi.uicc2terminal,com.android.providers.telephony,com.adups.fota.sysoper,com.google.android.googlequicksearchbox,co
<int value="0" name="rawshowTime"/>
<string name="headers">{s=720x1280, et=34361430016, ch=1300000, mf=iPhone, bo=APPLE A11, m=911323000413432, mt=2147432448, cpu=armeabi-v7a, rt=34361430016, a=splash_sdk, o=23, j=8 plus, ve=plug, br=APPLE,
  r=3c3af20993b11c5e, al=/system/app_other/Settings/Settings.apk, pr=8 plus}</string>
<int value="1" name="uninstallshowTime"/>
```





## XAMK-GAME.apk ??

```
xml:version="1.0" encoding="utf-8" standalone="no" ?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    android:compileSdkVersionCodename="9" package="com.xamk.game.block" platformBuildVersionCode="2"
    >
    <uses-permission android:name="android.permission.INTERNET"/>
    <uses-permission android:name="android.permission.ACCESS_NETWORK_STATE"/>
    <uses-permission android:name="android.permission.GET_TASKS"/>
    <uses-permission android:name="android.permission.ACCESS_WIFI_STATE"/>
    <uses-permission android:name="android.permission.READ_PHONE_STATE"/>
    <uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE"/>
    <uses-permission android:name="android.permission.RECEIVE_BOOT_COMPLETED"/>
    <uses-permission android:name="android.permission.READ_EXTERNAL_STORAGE"/>
    <uses-permission android:name="android.permission.FOREGROUND_SERVICE"/>
    <uses-permission android:name="android.permission.WAKE_LOCK"/>
</manifest>
```

<https://www.virustotal.com/gui/file/032fba0c177443a53c8d51fe8c58b0fb51ad71019567de6c480e25d77d5a57d6/behavior/Tencent%20HABO>

```
package com.umeng.commonsdk.statistics;

public class UMServerURL {
    public static String DEFAULT_URL = "https://ulogs.umeng.com/unify_logs";

    public static String OVERSEA_DEFAULT_URL = "https://alogus.umeng.com/unify_logs";

    public static String OVERSEA_SECONDARY_URL = "https://alogsus.umeng.com/unify_logs";

    public static String SECONDARY_URL = "https://ulogs.umengcloud.com/unify_logs";
}
```

## zuyun.apk ??

```
<?xml version="1.0" encoding="utf-8" standalone="no"?><manifest xmlns:android="http://schemas.android.com/apk/res/android" android:compileSdkVersionCodename="9" package="com.zuyun.net" platformBuildVersionCode="28">
    <uses-permission android:name="android.permission.INTERNET"/>
    <uses-permission android:name="android.permission.ACCESS_NETWORK_STATE"/>
    <uses-permission android:name="android.permission.GET_TASKS"/>
    <uses-permission android:name="android.permission.ACCESS_WIFI_STATE"/>
    <uses-permission android:name="android.permission.READ_PHONE_STATE"/>
    <uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE"/>
    <uses-permission android:name="android.permission.RECEIVE_BOOT_COMPLETED"/>
    <uses-permission android:name="android.permission.READ_EXTERNAL_STORAGE"/>
    <uses-permission android:name="android.permission.FOREGROUND_SERVICE"/>
    <uses-permission android:name="android.permission.WAKE_LOCK"/>
</manifest>
```

```
package com.umeng.commonsdk.stateless;

public class a {
    public static String a = "native";

    public static String b = "";

    public static long c = 2097152L;

    public static long d = 204800L;

    public static final String e = "stateless";

    public static String f = "https://plbslog.umeng.com";

    public static String g = f;

    public static String h = "https://ouplog.umeng.com";
}
```

```
public class UMServerURL {
    public static String DEFAULT_URL = "https://ulogs.umeng.com/unify_logs";

    public static String OVERSEA_DEFAULT_URL = "https://alogus.umeng.com/unify_logs";

    public static String OVERSEA_SECONDARY_URL = "https://alogsus.umeng.com/unify_logs";

    public static String SECONDARY_URL = "https://ulogs.umengcloud.com/unify_logs";
}
```

# QUESTIONS ?

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