

# 羊城杯2021-网络安全大赛部分writeup

原创

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9 篇文章 0 订阅

订阅专栏

## 1.签到

```
<?php
echo("SangFor{" . md5("28-08-30-07-04-20-02-17-23-01-12-19") . "}");
?>
```

图1是二八定律 (28), 图2是八卦 (8), 图3是三十而立 (30), 图4是北斗七星 (07), 图5是江南四大才子 (04), 图6是歼20 (20), 图7是两个黄鹂 (02), 图8是一起来看流星雨 (一起谐音17), 图9是乔丹的球服 (23), 图10是一马当先 (01), 图11是十二星座 (12), 图12是19点播放的新闻联播 (19)

## 2.Ez\_android

反编译得到核心代码:

```
package top.zjax.login;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
import java.io.BufferedReader;
import java.io.BufferedWriter;
import java.io.IOException;
import java.io.InputStreamReader;
```

```

import java.io.OutputStreamWriter;
import java.math.BigInteger;
import java.net.Socket;
import java.nio.charset.StandardCharsets;
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;

public class MainActivity extends Activity implements View.OnClickListener {
    String key = "";
    Button loginBtn = null;
    EditText passEt = null;
    TextView promptText = null;
    EditText useridEt = null;

    public void onCreate(Bundle bundle) {
        super.onCreate(bundle);
        setContentView(R.layout.activity_main);
        Button button = (Button) findViewById(R.id.loginBtn);
        this.loginBtn = button;
        button.setOnClickListener(this);
        this.useridEt = (EditText) findViewById(R.id.userId);
        this.passEt = (EditText) findViewById(R.id.pass);
        this.promptText = (TextView) findViewById(R.id.promptText);
    }

    public void onClick(View view) {
        String trim = this.useridEt.getText().toString().trim();
        String trim2 = this.passEt.getText().toString().trim();
        if (trim.equals("")) {
            this.promptText.setText(R.string.userIdError);
        } else if (trim2.equals("")) {
            this.promptText.setText(R.string.passError);
        } else if (!checkUsername(trim) || !checkPasswd(trim2)) {
            Toast.makeText(this, (int) R.string.loginError, 1).show();
        } else {
            Toast.makeText(this, (int) R.string.loginSuccess, 1).show();
            getKeyAndRedirect(trim2);
        }
    }

    private boolean checkUsername(String str) {
        return str.equals(getString(R.string.username));
    }

    private boolean checkPasswd(String str) {
        return getEncodeStr(str).equals(getString(R.string.passwd));
    }

    private String getEncodeStr(String str) {
        byte[] bArr = null;
        try {
            bArr = MessageDigest.getInstance(getString(R.string.encode)).digest(str.getBytes(StandardCharsets.UTF_8));
            for (int i = 0; i < bArr.length; i++) {
                bArr[i] = (byte) (bArr[i] - 1);
            }
        } catch (NoSuchAlgorithmException e) {
            e.printStackTrace();
        }
    }
}

```

```

return new BigInteger(1, bArr).toString(16);
}

private void getKeyAndRedirect(String str) {
    new Thread(new Runnable(str) {
        /* class top.zjax.Login.Lambda */
        public final /* synthetic */ String f$1;

        {
            this.f$1 = r2;
        }

        public final void run() {
            MainActivity.this.lambda$getKeyAndRedirect$0$MainActivity(this.f$1);
        }
    }).start();
    while (this.key.length() == 0) {
        try {
            Thread.sleep(1000);
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
    }
    Intent intent = new Intent(this, CheckFlagActivity.class);
    intent.putExtra("key", this.key);
    startActivity(intent);
    finish();
}

public /* synthetic */ void lambda$getKeyAndRedirect$0$MainActivity(String str) {
    try {
        Socket socket = new Socket("139.224.191.201", 20080);
        BufferedWriter bufferedWriter = new BufferedWriter(new OutputStreamWriter(socket.getOutputStream()));

        BufferedReader bufferedReader = new BufferedReader(new InputStreamReader(socket.getInputStream()));
        bufferedWriter.write(str);
        bufferedWriter.newLine();
        bufferedWriter.flush();
        setKey(bufferedReader.readLine().split(":")[1].trim());
        bufferedReader.close();
        bufferedWriter.close();
        socket.close();
    } catch (IOException e) {
        e.printStackTrace();
    }
}

public void setKey(String str) {
    this.key = str;
}
}

```

使用frida去hook题目程序的equals方法得到用户名是admin:

```
I'm the real key :
your input : shit
I'm the real key : admin
your input : LinearLayout
I'm the real key : LinearLayout
```

同样的方法，hook到密码的比较，得到一串字符串“c232666f1410b3f5010dc51cec341f58”:

```
your input : admin
I'm the real key : admin
your input : c232666f1410b3f5010dc51cec341f58
I'm the real key : c232666f1410b3f5010dc51cec341f58
your input : LinearLayout
```

然后密码可以看到校验的方法是这样的:

```
private boolean checkPasswd(String str) {
    return getEncodeStr(str).equals(getString(C0818R.string.passwd));
}
private String getEncodeStr(String str) {
    byte[] bArr = null;
    try {
        bArr = MessageDigest.getInstance(getString(C0818R.string.encode)).digest(str.getBytes(StandardCharsets.UTF_8));
        for (int i = 0; i < bArr.length; i++) {
            bArr[i] = (byte) (bArr[i] - 1);
        }
    } catch (NoSuchAlgorithmException e) {
        e.printStackTrace();
    }
    return new BigInteger(1, bArr).toString(16);
}
```

这段代码是把传进来的密码进行md5计算摘要，得到的摘要是byte数组的形式，然后每个数组元素值-1，再转成16进制字符串，根据代码逻辑写逆推代码如下:

```

package Main;
import java.io.UnsupportedEncodingException;
import java.math.BigInteger;
import java.nio.charset.StandardCharsets;
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;
public class Main {
    public static void main(String[] args) throws UnsupportedEncodingException {
        System.out.println(getEncodeStr("fuck"));
        System.out.println(getDecodeStr("c232666f1410b3f5010dc51cec341f58"));
    }
    public static String getDecodeStr(String str) {
        BigInteger b = new BigInteger(str, 16);
        byte[] bArr = b.toByteArray();
        for (int i = 1; i < bArr.length; i++) {
            System.out.println(bArr[i]);
            bArr[i] = (byte) (bArr[i] + 1);
        }
        return new BigInteger(1, bArr).toString(16);
    }
    public static String getEncodeStr(String str) throws UnsupportedEncodingException {
        byte[] bArr = null;
        try {
            bArr = MessageDigest.getInstance("MD5").digest(str.getBytes(StandardCharsets.UTF_8));
            System.out.println(new BigInteger(1, bArr).toString(16));
            System.out.println(new BigInteger(1, bArr).toString(16));
            for (int i = 0; i < bArr.length; i++) {
                System.out.println(bArr[i]);
                bArr[i] = (byte) (bArr[i] - 1);
            }
        } catch (NoSuchAlgorithmException e) {
            e.printStackTrace();
        }
        // System.out.println(new String(bArr));
        return new BigInteger(1, bArr).toString(16);
    }
}

```

执行代码得到密码的md5值：c33367701511b4f6020ec61ded352059，一查得到明文为654321。  
使用admin/654321登录，进入佛莱格校验流程：

查看佛莱格校验的代码：

```

package top.zjax.login;
import android.app.Activity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
import java.nio.charset.StandardCharsets;
public class CheckFlagActivity extends Activity implements View.OnClickListener {
    Button flagBtn = null;
    EditText flagTx = null;
    String key;
    TextView promptText = null;

    /* access modifiers changed from: protected */
    public void onCreate(Bundle bundle) {
        super.onCreate(bundle);
        setContentView(C0818R.layout.activity_checkflag);
        Button button = (Button) findViewById(C0818R.C0821id.flagBtn);
        this.flagBtn = button;
        button.setOnClickListener(this);
        this.flagTx = (EditText) findViewById(C0818R.C0821id.flagTx);
        this.promptText = (TextView) findViewById(C0818R.C0821id.promptText);
        this.key = getIntent().getStringExtra("key");
    }

    public void onClick(View view) {
        String trim = this.flagTx.getText().toString().trim();
        if (trim.equals("")) {
            this.promptText.setText(C0818R.string.flagError);
        } else if (checkFlag(trim)) {
            Toast.makeText(this, (int) C0818R.string.flagSuccess, 1).show();
        } else {
            Toast.makeText(this, (int) C0818R.string.flagError, 1).show();
        }
    }

    private boolean checkFlag(String str) {
        return new String(EncodeUtils.encode(str.getBytes(StandardCharsets.UTF_8), false, this.key.getBytes(StandardCharsets.UTF_8))).equals(getString(C0818R.string.encodeFlag));
    }
}

```

得知首先从一个IP地址那里取得一个key，然后根据这个key和输入的flag生成一个新的字符串，把这个字符串与encode\_flag进行比较。

继续hook得到encode\_flag=3lkHi9iZNK87qw0p6U391t92qlC5rwn5iFqyMFD11t92qUnL6FQjq1n761-P:

```

I'm the real key :
your input : iK-gR2==
I'm the real key : 3lkHi9iZNK87qw0p6U391t92qlC5rwn5iFqyMFD11t92qUnL6FQjq1n761-P
your input : LinearLayout

```

然后读取key的代码如下:

```

public static void main(String[] args) {
    try {
        Socket socket = new Socket("139.224.191.201", 20080);
        BufferedWriter bufferedWriter = new BufferedWriter(new OutputStreamWriter(socket.getOutputStream()));
;
        BufferedReader bufferedReader = new BufferedReader(new InputStreamReader(socket.getInputStream()));
        bufferedWriter.write("654321");
        bufferedWriter.newLine();
        bufferedWriter.flush();
        String keyString = bufferedReader.readLine().split(":")[1].trim(); //TGtUnkaJD0frq61uCQYw3-FxMiRvNOB
/EWjgVcpKSzbs8yHZ257X9LLdIeh4APom
        bufferedReader.close();
        bufferedWriter.close();
        socket.close();
        String encodeFlag = "3lkHi9iZNK87qw0p6U391t92q1C5rwn5iFqyMFD11t92qUnL6FQjqIn761-P";
    } catch (IOException e) {
        e.printStackTrace();
    }
}

```

运行得到key: TGtUnkaJD0frq61uCQYw3-FxMiRvNOB/EWjgVcpKSzbs8yHZ257X9Ldleh4APom  
 然后我们看看这个key和输入的flag生成一个新的字符串的方法:

```

public static byte[] encode(byte[] bArr, boolean z, byte[] bArr2) {
    if (bArr == null) {
        return null;
    }
    int length = bArr.length;
    int i = 0;
    if (length == 0) {
        return new byte[0];
    }
    int i2 = (length / 3) * 3;
    int i3 = length - 1;
    int i4 = ((i3 / 3) + 1) << 2;
    int i5 = i4 + (z ? ((i4 - 1) / 76) << 1 : 0);
    byte[] bArr3 = new byte[i5];
    int i6 = 0;
    int i7 = 0;
    int i8 = 0;
    while (i6 < i2) {
        int i9 = i6 + 1;
        int i10 = i9 + 1;
        int i11 = ((bArr[i6] & 255) << 16) | ((bArr[i9] & 255) << 8);
        int i12 = i10 + 1;
        int i13 = i11 | (bArr[i10] & 255);
        int i14 = i7 + 1;
        bArr3[i7] = bArr2[(i13 >>> 18) & 63];
        int i15 = i14 + 1;
        bArr3[i14] = bArr2[(i13 >>> 12) & 63];
        int i16 = i15 + 1;
        bArr3[i15] = bArr2[(i13 >>> 6) & 63];
        i7 = i16 + 1;
        bArr3[i16] = bArr2[i13 & 63];
        if (z && (i8 = i8 + 1) == 19 && i7 < i5 - 2) {
            int i17 = i7 + 1;
            bArr3[i7] = 13;
            i7 = i17 + 1;
            bArr3[i17] = 10;
            i8 = 0;
        }
        i6 = i12;
    }
    int i18 = length - i2;
    if (i18 > 0) {
        int i19 = (bArr[i2] & 255) << 10;
        if (i18 == 2) {
            i = (bArr[i3] & 255) << 2;
        }
        int i20 = i19 | i;
        bArr3[i5 - 4] = bArr2[i20 >> 12];
        bArr3[i5 - 3] = bArr2[(i20 >>> 6) & 63];
        bArr3[i5 - 2] = i18 == 2 ? bArr2[i20 & 63] : 61;
        bArr3[i5 - 1] = 61;
    }
    return bArr3;
}

```

这段代码其实就是base64，只不过它可以根据传入的码表生成base64编码的字符串，而这里传入的码表就是key。所以根据上述信息，找一段自定义码表的代码来逆推：

```
package Main;
```



```

public class B64 {

//     private static final char S_BASE64CHAR[] = {
//         'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J',
//         'K', 'L', 'M', 'N', 'O', 'P', 'Q', 'R', 'S', 'T',
//         'U', 'V', 'W', 'X', 'Y', 'Z', 'a', 'b', 'c', 'd',
//         'e', 'f', 'g', 'h', 'i', 'j', 'k', 'l', 'm', 'n',
//         'o', 'p', 'q', 'r', 's', 't', 'u', 'v', 'w', 'x',
//         'y', 'z', '0', '1', '2', '3', '4', '5', '6', '7',
//         '8', '9', '+', '/'
//     };
//TGtUnkaJD0frq61uCQYw3-FxMiRvNOB/EWjgVcpKSzbs8yHZ257X9LldIeh4APom
private static final char S_BASE64CHAR[] = "TGtUnkaJD0frq61uCQYw3-FxMiRvNOB/EWjgVcpKSzbs8yHZ257X9LldIeh4APom"
.toCharArray();

private static final char S_BASE64PAD = 61;

private static final byte S_DECODETABLE[];

static {
    S_DECODETABLE = new byte[128];
    for(int i = 0; i < S_DECODETABLE.length; i++)
        S_DECODETABLE[i] = 127;

    for(int j = 0; j < S_BASE64CHAR.length; j++)
        S_DECODETABLE[S_BASE64CHAR[j]] = (byte)j;
}

private B64() { }

public static byte[] decode(String s) {
    char ac[] = new char[4];
    int i = 0;
    byte abyte0[] = new byte[(s.length() / 4) * 3 + 3];
    int j = 0;
    for(int k = 0; k < s.length(); k++) {
        char c = s.charAt(k);
        if(c == '=' ||
            c < S_DECODETABLE.length &&
            S_DECODETABLE[c] != 127)
        {
            ac[i++] = c;
            if(i == ac.length) {
                i = 0;
                j += decode0(ac, abyte0, j);
            }
        }
    }

    if(j == abyte0.length) {
        return abyte0;
    } else {

```

```

        byte abyte1[] = new byte[j];
        System.arraycopy(abyte0, 0, abyte1, 0, j);
        return abyte1;
    }
}

public static String encode(byte abyte0[]) {
    return encode(abyte0, 0, abyte0.length);
}

public static String encode(byte abyte0[], int i, int j) {
    if(j <= 0)
        return "";

    char ac[] = new char[(j / 3) * 4 + 4];
    int k = i;
    int l = 0;
    int i1;
    for(i1 = j - i; i1 >= 3; i1 -= 3) {
        int j1 = ((abyte0[k] & 0xff) << 16) + ((abyte0[k + 1] & 0xff) << 8) + (abyte0[k + 2] & 0xff);
        ac[l++] = S_BASE64CHAR[j1 >> 18];
        ac[l++] = S_BASE64CHAR[j1 >> 12 & 0x3f];
        ac[l++] = S_BASE64CHAR[j1 >> 6 & 0x3f];
        ac[l++] = S_BASE64CHAR[j1 & 0x3f];
        k += 3;
    }

    if(i1 == 1) {
        int k1 = abyte0[k] & 0xff;
        ac[l++] = S_BASE64CHAR[k1 >> 2];
        ac[l++] = S_BASE64CHAR[k1 << 4 & 0x3f];
        ac[l++] = '=';
        ac[l++] = '=';
    } else if(i1 == 2) {
        int l1 = ((abyte0[k] & 0xff) << 8) + (abyte0[k + 1] & 0xff);
        ac[l++] = S_BASE64CHAR[l1 >> 10];
        ac[l++] = S_BASE64CHAR[l1 >> 4 & 0x3f];
        ac[l++] = S_BASE64CHAR[l1 << 2 & 0x3f];
        ac[l++] = '=';
    }

    return new String(ac, 0, l);
}

private static int decode0(char ac[], byte abyte0[], int i) {
    byte byte0 = 3;
    if(ac[3] == '=')
        byte0 = 2;
    if(ac[2] == '=')
        byte0 = 1;
    byte byte1 = S_DECODETABLE[ac[0]];
    byte byte2 = S_DECODETABLE[ac[1]];
    byte byte3 = S_DECODETABLE[ac[2]];
    byte byte4 = S_DECODETABLE[ac[3]];
    switch(byte0) {
    case 1: // '\001'
        abyte0[i] = (byte)(byte1 << 2 & 0xfc | byte2 >> 4 & 3);

```

```

        return 1;

    case 2: // '\002'
        abyte0[i++] = (byte)(byte1 << 2 & 0xfc | byte2 >> 4 & 3);
        abyte0[i] = (byte)(byte2 << 4 & 0xf0 | byte3 >> 2 & 0xf);
        return 2;

    case 3: // '\003'
        abyte0[i++] = (byte)(byte1 << 2 & 0xfc | byte2 >> 4 & 3);
        abyte0[i++] = (byte)(byte2 << 4 & 0xf0 | byte3 >> 2 & 0xf);
        abyte0[i] = (byte)(byte3 << 6 & 0xc0 | byte4 & 0x3f);
        return 3;
    }
    throw new RuntimeException("Internal Error");
}

public static void main(String[] args) {

    String a="Sangfor";

    byte [] b=null;

    b=a.getBytes();

    String encodeString=B64.encode(b);

    System.out.println(encodeString);

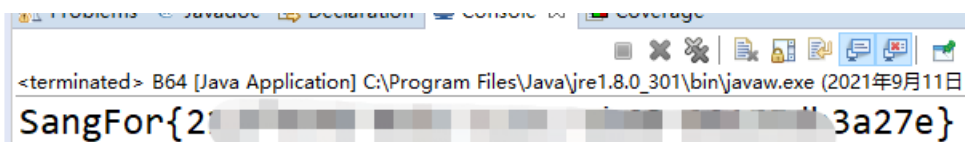
    byte[] decodeByte=B64.decode("3lkHi9iZNK87qw0p6U391t92q1C5rwn5iFqyMFD11t92qUnL6FQjq1n76l-P");

    System.out.println(new String(decodeByte));

}
}

```

运行得到:



```

<terminated> B64 [Java Application] C:\Program Files\Java\jre1.8.0_301\bin\javaw.exe (2021年9月11日)
SangFor{2[redacted]3a27e}

```

### 3.Baby\_Forensic

内存取证题，直接上Volatility，先psscan看看进程情况：

```
tom@kali:~/视频/volatility$ ./volatility -f 1.raw --profile=WinXPSP2x86 psscan
Volatility Foundation Volatility Framework 2.6
Offset(P)      Name          PID  PPID  PDB          Time created          Time
e exited
-----
0x0000000001c50020 DumpIt.exe    1760  1624  0x02b402e0  2021-09-08 05:30:22 UTC+0000
0x0000000001c606a0 vmttoolsd.exe 488   704   0x02b402a0  2021-09-08 05:16:23 UTC+0000
0x0000000001c63020 svchost.exe   176   704   0x02b40220  2021-09-08 05:16:15 UTC+0000
0x0000000001cb3960 wpabaln.exe   1432  604   0x02b40340  2021-09-08 05:17:57 UTC+0000
0x00000000002132558 csrss.exe     580   512   0x02b40060  2021-09-08 05:15:53 UTC+0000
0x000000000021f6da0 explorer.exe  1624  1552  0x02b40200  2021-09-08 05:15:57 UTC+0000
0x000000000021f77f8 spoolsv.exe   1592  704   0x02b401e0  2021-09-08 05:15:57 UTC+0000
0x000000000022311a0 svchost.exe   884   704   0x02b40100  2021-09-08 05:15:54 UTC+0000
0x0000000000230e318 wmiprvse.exe  1444  884   0x02b40300  2021-09-08 05:16:24 UTC+0000
0x00000000002310020 alg.exe       1876  704   0x02b40320  2021-09-08 05:16:25 UTC+0000
0x0000000000231fb28 wscntfy.exe   1376  1084  0x02b402c0  2021-09-08 05:16:29 UTC+0000
```

发现有cmd，那就先看看cmd：

```
tom@kali:~/视频/volatility$ ./volatility -f 1.raw --profile=WinXPSP2x86 cmdscan
Volatility Foundation Volatility Framework 2.6
*****
CommandProcess: csrss.exe Pid: 580
CommandHistory: 0x565c60 Application: DumpIt.exe Flags: Allocated
CommandCount: 0 LastAdded: -1 LastDisplayed: -1
FirstCommand: 0 CommandCountMax: 50
ProcessHandle: 0x524
*****
CommandProcess: csrss.exe Pid: 580
CommandHistory: 0x566bb8 Application: cmd.exe Flags: Allocated, Reset
CommandCount: 5 LastAdded: 4 LastDisplayed: 4
FirstCommand: 0 CommandCountMax: 50
ProcessHandle: 0x4cc
Cmd #0 @ 0x3689ed8: git push -u origin master
Cmd #1 @ 0x566148: ok...
Cmd #2 @ 0x56aa08: then delete .git and flagfile
Cmd #3 @ 0x368a798: You can never find my account
Cmd #4 @ 0x56a580: hahaha!
```

说把flag推到git上了，本地没有。先搜索文件看看：

```
tom@kali:~/视频/volatility$ ./volatility -f 1.raw --profile=WinXPSP2x86 filescan |grep txt
Volatility Foundation Volatility Framework 2.6
0x00000000020bf6a0 1 0 RW-r-- \Device\HarddiskVolume1\Documents and Settings\Owner\桌面\ssh.txt
0x00000000021c01b0 1 0 R--rwd \Device\HarddiskVolume1\Documents and Settings\All Users\ssh.txt
0x000000000231d6b0 4 2 -W-rw- \Device\HarddiskVolume1\Documents and Settings\All Users\Application Data\VMware\VMware VGAuth\logfile.txt.0
```

搜索到了ssh.txt，使用命令 `./volatility -f 1.raw --profile=WinXPSP2x86 dumpfiles -Q 0x00000000020bf6a0 -D ./` 把ssh.txt提取出来，是一个私钥文件：

```
-----BEGIN OPENSSH PRIVATE KEY-----
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R9ddLJL84raHK6unuHjngGvwjhxUUQu1ta49HH55pyrFUViIvH1tfnS/6Bg1TrYWR1FX3A
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3uEQP5Sp7GrCU5dWraGB2wOkX+irMYGDFtk5qG8NLYoSKVIZwA6ijDliWekL6XdPGJfKK
7xw64Nx6syc7oD7scSzTGNH0m1z+T2rjP3dMDDVhYMHksYcSxikyHNzLR9Z51hCOHeKb10
8LNW4IrC6AYeXt8sHizSLIagncOuPtSkkiGdR5fn65fHomMzaVQsS5JYvwNeSrKXU36NSJm
27AuL6DDE2vJUAAAAUC29uZzU1Mja4NTEwN0BxcS5jb20BAGMEBQYH
-----END OPENSSH PRIVATE KEY-----
```

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è□□^B,□,Ò,□ □Ä®>Ô×\*!□G□çè□Ççc3iT,H□/  
¼□□□□□song552085107@qq.com□□□□□□

base64解码一下:

看到右一个邮箱 点击github上看看

song552085107@qq.com



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Issues	0
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Ha1f00L

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Ha1f00L Update README.md



README.md

Update



\_\_APP\_\_

Youfoun

README.md

# whatsthat

see the other file

只有2个文件，readme没啥，把 `__APP__` 下载下来看看：

```

2157 val z=__WXML_GLOBAL__.ops_set.$gwx_1 |],
2158 __WXML_GLOBAL__.debuginfo_set = __WXML_GLOBAL__.debuginfo_set | | {}];
2159 var debugInfo=__WXML_GLOBAL__.debuginfo_set.$gwx_1 | | [];
2160 function gz$gwx_1(){
2161 if(__WXML_GLOBAL__.ops_cached.$gwx_1)return __WXML_GLOBAL__.ops_cached.$gwx_1
2162 __WXML_GLOBAL__.ops_cached.$gwx_1=[];
2163 (function(z){var a=1;function Z(ops,debugLine){z.push(['11182016',ops,debugLine])}
2164 Z([3,'杓櫛櫛櫛板混緇勸欢嫻嫻痲'], ['./pages/index/index.wxml',2,7])
2165 Z([3,'櫛板混'], ['./pages/index/index.wxml',4,7])
2166 Z([3,'杓櫛管縛 械疏x95'], ['./pages/index/index.wxml',7,7])
2167 Z([3,'湍x80涿瑜紅洗狗先瑕笮\x5c1\x5ca\x5cg?'], ['./pages/index/index.wxml',9,7])
2168 Z([3,'U2FuZ0ZvcntTMF8zYXp5XzJfY3JhY2tfbm9vY19wbGF5ZXJ9'], ['./pages/index/index.wxml',10,7])
2169 })(__WXML_GLOBAL__.ops_cached.$gwx_1);return __WXML_GLOBAL__.ops_cached.$gwx_1
2170 }
2171 function gz$gwx_2(){
2172 if(__WXML_GLOBAL__.ops_cached.$gwx_2)return __WXML_GLOBAL__.ops_cached.$gwx_2
2173 __WXML_GLOBAL__.ops_cached.$gwx_2=[];
2174 (function(z){var a=1;function Z(ops,debugLine){z.push(['11182016',ops,debugLine])}
2175 Z([3,'container log-list'], ['./pages/logs/logs.wxml',2,13])
2176 Z([3,'log'], ['./pages/logs/logs.wxml',3,40])
2177 Z([3, [3,'logs'], ['./pages/logs/logs.wxml',3,17])
2178 Z([3,'log-item'], ['./pages/logs/logs.wxml',4,17])

```

CSDN @KogRow

2168行，解码：

请将要加密或解密的内容复制到以下区域

SangFor{S0\_3azy\_2\_crack\_noob\_player}

菜狗落泪。。。。。。。。

## 4.Checkin\_Go

第一关是md5爆破，直接上python代码：

```

import hashlib
for a in range(33,126):
    for b in range(33,126):
        for c in range(33, 126):
            for d in range(33, 126):
                for e in range(33, 126):
                    for f in range(33, 126):
                        str = chr(a)+chr(b)+chr(c)+chr(d)+chr(e)+chr(f)
                        fuck = hashlib.md5(str.encode('utf-8')).hexdigest()
                        if fuck[:6] == '2a4d5a':
                            print(str)
                            print(fuck)
                            break

```

登录上去之后就是要想办法变成管理员，增加金钱数购买flag。由于golang语言不是我擅长的，而且没有时间了就没做，等官方wp吧。