

逆向腾讯视频获取 m3u8 源地址 (Java)

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原文链接: <https://ld246.com/article/1598087793472>

来源网站: [链滴](#)

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以下内容仅供学习使用，请勿用于非法用途

代码是在今年三月份写的，当时捣鼓了一天，现在也有点忘了，就直接把代码贴出来吧，今天测试了一下还是可以用的

代码中有一些包还有方法是自己的，就不都粘贴出来了，如果直接复制代码的，会有报错，需要再手动改改

```
<!--相关依赖-->
<dependency>
  <groupId>org.jsoup</groupId>
  <artifactId>jsoup</artifactId>
  <version>1.11.3</version>
</dependency>
<dependency>
  <groupId>cn.hutool</groupId>
  <artifactId>hutool-all</artifactId>
  <version>5.1.0</version>
</dependency>
```

```
package com.Yang.watermark;
```

```
import java.net.URLDecoder;
import java.net.URLEncoder;
import java.time.LocalDate;
import java.util.HashMap;
import java.util.Map;
```

```
import org.jsoup.Jsoup;
import org.jsoup.nodes.Document;
```

```

import com.alibaba.fastjson.JSONArray;
import com.alibaba.fastjson.JSONObject;

import lombok.extern.slf4j.Slf4j;

@Slf4j
public class TencentVideo{

    String url = "";
    String appVersion = "1.0.143";
    String platform = "10201";
    String v = "3.5.57";
    String encryptVer = "9.1";

    public TencentVideo(String url) {
        this.url = url;
    }

    @Override
    public String execute() {
        String start = "<link rel=\"canonical\" href=";
        HttpResponse response = requestNoHeader(url);
        String body = response.body();
        int indexOf = body.indexOf(start);
        body = body.substring(indexOf + start.length() + 1);
        int index = body.indexOf("\" />");
        body = body.substring(0,index);
        String[] split = body.split("/");
        String vid = split[split.length - 1].replaceAll(".html","");
        String[] split2 = url.split("/");
        String coverid = split2[split2.length - 1].replaceAll(".html","");

        //这儿替换成自己的生产随机数的方法就可以
        String flowid = RandomCharUtil.getRandomNumberLowerLetterChar(32) + "_" + platfor
;

        String tm = String.valueOf(System.currentTimeMillis()).substring(0,10);
        String rfid = RandomCharUtil.getRandomNumberLowerLetterChar(32) + "_" + tm;
        //这儿是cKet加密字符串的获取方式，调用自己的node服务，下文中有说明
        String cKey = HttpUtil.get("http://lp:port/?vid="+ vid + "&tm=" + tm);

        log.info("vid:{}",vid);
        log.info("coverid:{}",coverid);
        log.info("flowid:{}",flowid);
        log.info("tm:{}",tm);
        log.info("rfid:{}",rfid);
        log.info("url:{}",url);
        log.info("cKey:{}",cKey);

        //登录了腾讯视频之后可以拿到cookie，直接粘贴在这儿就行
        String cookieStr = "";
        String[] split3 = cookieStr.split("; ");
        Map<String, String> cookieMap = new HashMap<String, String>();
        if(cookieStr != "" && cookieStr != null) {

```

```

        for(String str : split3) {
            cookieMap.put(str.split("=")[0], str.split("=")[1]);
        }
    }

    HttpRequest post = HttpUtil.createPost("https://vd.l.qq.com/proxyhttp");
    post.header("Referer" , url);
    String buildParam = buildParam(coverid, flowid, url, rfid, vid, cKey, tm , cookieMap);
    post.body(buildParam);
    //执行
    String res = post.execute().body();
    log.info(res);
    JSONArray ul = JSONObject.parseObject(res).getJSONObject("vinfo").getJSONObject("vl"
    .getJSONArray("vi").getJSONObject(0).getJSONObject("ul").getJSONArray("ui");
    //这里拿数组最后一个, 清晰度最高的
    JSONObject ui = ul.getJSONObject(ul.size()-1);
    if(cookieStr == "") {
        //没有登录使用这种方式获取, 但是如果是vip电影获取出来的只有5分钟
        return ui.getString("url") + ui.getJSONObject("hls").getString("pt");
    }
    //如果登录了可以使用这种方式获取
    return ui.getString("url");
}

public static String get(String address) {
    return new TencentVideo(address).execute();
}

public static void main(String[] args) {
    log.info(TencentVideo.get("https://v.qq.com/x/cover/050w2y6nen7rud1.html"));
    //    TencentVideo.get("https://v.qq.com/x/cover/bqejbbv8mgtusrs/u00242ise58.html");
}

public String buildParam(String coverid,String flowid,String url,String rfid , String vid , Strin
cKey , String tm , Map<String, String> cookieMap) {

    boolean haveCookie = false;
    if(!cookieMap.isEmpty()) {
        haveCookie = true;
    }

    StringBuffer adparam = new StringBuffer();
    adparam.append("ad_type=LD|KB|PVL").append("&");
    adparam.append("adaptor=2").append("&");
    adparam.append("appversion="+ appVersion).append("&");
    adparam.append("chid=0").append("&");
    adparam.append("coverid=" + coverid).append("&");
    adparam.append("dtype=1").append("&");
    adparam.append("flowid=" + flowid).append("&");
    adparam.append("from=0").append("&");
}

```

```
adparam.append("guid=" + "d1384f3028935f6465a473a5a07113b5").append("&");
adparam.append("live=0").append("&");
adparam.append("pf=in").append("&");
adparam.append("platform=" + platform).append("&");
adparam.append("pf_ex=pc").append("&");
adparam.append("plugin=1.0.0").append("&");
adparam.append("pt=").append("&");
adparam.append("pu=0").append("&");
adparam.append("refer=" + url).append("&");
adparam.append("req_type=1").append("&");
adparam.append("resp_type=json").append("&");
adparam.append("rfid=" + rfid).append("&");
adparam.append("tpid=1").append("&");
adparam.append("ty=web").append("&");
adparam.append("url=" + url).append("&");
adparam.append("v=" + v).append("&");
adparam.append("vid=" + vid).append("&");
adparam.append("vptag=www_baidu_com");
if(haveCookie) {
    String uid = cookieMap.get("vqq_vuserid");
    String tkn = cookieMap.get("vqq_vusession");
    String opid = cookieMap.get("vqq_openid");
    String lt = cookieMap.get("main_login");
    String atkn = cookieMap.get("vqq_access_token");
    String appid = cookieMap.get("vqq_appid");

    adparam.append("&");
    adparam.append("uid=" + uid).append("&");
    adparam.append("tkn=" + tkn).append("&");
    adparam.append("lt=" + lt).append("&");
    adparam.append("opid=" + opid).append("&");
    adparam.append("atkn=" + atkn).append("&");
    adparam.append("appid=" + appid);
}
}
```

```
StringBuffer vinfoparam = new StringBuffer();
vinfoparam.append("appVer=" + v).append("&");
vinfoparam.append("cKey=" + cKey).append("&");
vinfoparam.append("charge=0").append("&");
vinfoparam.append("defaultfmt=auto").append("&");
vinfoparam.append("defn=fhd").append("&");//取值: fhd (蓝光) shd (超清) hd (高
) sd (标清)
vinfoparam.append("defnpayver=1").append("&");
vinfoparam.append("defsrc=1").append("&");
vinfoparam.append("dlver=2").append("&");
vinfoparam.append("drm=32").append("&");
vinfoparam.append("dtype=3").append("&");
vinfoparam.append("ehost=" + url).append("&");
vinfoparam.append("encryptVer=" + encryptVer).append("&");
vinfoparam.append("fhdswhitch=0").append("&");
vinfoparam.append("flowid=" + flowid).append("&");
```

```

vinfoparam.append("fp2p=1").append("&");
vinfoparam.append("guid=" + "d1384f3028935f6465a473a5a07113b5").append("&");
vinfoparam.append("hdcp=0").append("&");
vinfoparam.append("host=v.qq.com").append("&");
vinfoparam.append("isHLS=1").append("&");

if(haveCookie) {
    String uid = cookieMap.get("vqq_vuserid");
    String tkn = cookieMap.get("vqq_vsession");
    String opid = cookieMap.get("vqq_openid");
    String lt = cookieMap.get("main_login");
    String atkn = cookieMap.get("vqq_access_token");
    String appid = cookieMap.get("vqq_appid");

    String logintoken = "{\"main_login\": \"" + lt + "\", \"openid\": \"" + opid + "\", \"appid\": \""
+ appid + "\", \"access_token\": \"" + atkn + "\", \"vuserid\": \"" + uid + "\", \"vsession\": \"" + tkn + "\"}";

    vinfoparam.append("logintoken=" + URLEncoder.encode(logintoken)).append("&");
}

vinfoparam.append("otype=json").append("&");
vinfoparam.append("platform=" + platform).append("&");
vinfoparam.append("refer=v.qq.com").append("&");
vinfoparam.append("sdtfrom=v1010").append("&");
vinfoparam.append("show1080p=1").append("&");
vinfoparam.append("spadseg=1").append("&");
vinfoparam.append("spau=1").append("&");
vinfoparam.append("spaudio=15").append("&");
vinfoparam.append("spgzip=1").append("&");
vinfoparam.append("sphls=2").append("&");
vinfoparam.append("sphttps=1").append("&");
vinfoparam.append("spwm=4").append("&");
vinfoparam.append("tm=" + tm).append("&");
vinfoparam.append("unid=cdbb5f0a6aad11ea981ca042d48ad00a").append("&");
vinfoparam.append("vid=" + vid);

//构造参数时buid可取值
//1.vinfoad (包含视频信息和广告)
//2.onlyvinfo (只包含视频信息)
return "{\"buid\": \"vinfoad\", \"adparam\": \"" + adparam.toString() + "\", \"vinfoparam\": \""
+ vinfoparam.toString() + "\"}";
}

HttpResponse requestNoHeader(String url) {
    return HttpUtil.createGet(url).execute();
}
}

```

上边的代码中预留了一个调用node服务的方地方，这个是一堆加密的玩意儿，需要一个node服务，还有一个wasm文件

[点击此处下载node服务的js代码以及wasm文件](#)

下载好之后直接按照node命令启动服务即可

启动之后把node服务的ip和端口填写在Java代码中（49行左右）

接下来就可以运行Java脚本执行获取结果了，最后获取到的是m3u8的地址

里边有一些参数是固定的值(unid)(guid)之类的，不要去修改它，代码呢，可能写的比较low，哈哈哈