**[Java使用HttpClient实现Post请求](https://www.cnblogs.com/mengrennwpu/p/6418114.html)（json）**

    基于项目需求，想要实现Post消息推送，故采用HttpClient组件进行实现，相关代码如下(注：程序采用的httpclient和httpcore依赖包的版本为4.2.5)：

[复制代码](javascript:void(0);)

import org.apache.http.Header;

import org.apache.http.HttpResponse;

import org.apache.http.HttpStatus;

import org.apache.http.client.HttpClient;

import org.apache.http.client.methods.HttpPost;

import org.apache.http.entity.StringEntity;

import org.apache.http.impl.client.DefaultHttpClient;

import org.apache.http.params.CoreConnectionPNames;

import java.util.UUID;

import net.sf.json.JSONObject;

import java.nio.charset.Charset;

public static boolean httpPostWithJson(JSONObject jsonObj,String url,String appId){

boolean isSuccess = false;

HttpPost post = null;

try {

HttpClient httpClient = new DefaultHttpClient();

// 设置超时时间

httpClient.getParams().setParameter(CoreConnectionPNames.CONNECTION\_TIMEOUT, 2000);

httpClient.getParams().setParameter(CoreConnectionPNames.SO\_TIMEOUT, 2000);

post = new HttpPost(url);

// 构造消息头

post.setHeader("Content-type", "application/json; charset=utf-8");

post.setHeader("Connection", "Close");

String sessionId = getSessionId();

post.setHeader("SessionId", sessionId);

post.setHeader("appid", appid);

// 构建消息实体

StringEntity entity = new StringEntity(jsonObj.toString(), Charset.forName("UTF-8"));

entity.setContentEncoding("UTF-8");

// 发送Json格式的数据请求

entity.setContentType("application/json");

post.setEntity(entity);

HttpResponse response = httpClient.execute(post);

// 检验返回码

int statusCode = response.getStatusLine().getStatusCode();

if(statusCode != HttpStatus.SC\_OK){

LogUtil.info("请求出错: "+statusCode);

isSuccess = false;

}else{

int retCode = 0;

String sessendId = "";

// 返回码中包含retCode及会话Id

for(Header header : response.getAllHeaders()){

if(header.getName().equals("retcode")){

retCode = Integer.parseInt(header.getValue());

}

if(header.getName().equals("SessionId")){

sessendId = header.getValue();

}

}

if(ErrorCodeHelper.IAS\_SUCCESS != retCode ){

// 日志打印

LogUtil.info("error return code, sessionId: "sessendId"\t"+"retCode: "+retCode);

isSuccess = false;

}else{

isSuccess = true;

}

}

} catch (Exception e) {

e.printStackTrace();

isSuccess = false;

}finally{

if(post != null){

try {

post.releaseConnection();

Thread.sleep(500);

} catch (InterruptedException e) {

e.printStackTrace();

}

}

}

return isSuccess;

}

// 构建唯一会话Id

public static String getSessionId(){

UUID uuid = UUID.randomUUID();

String str = uuid.toString();

return str.substring(0, 8) + str.substring(9, 13) + str.substring(14, 18) + str.substring(19, 23) + str.substring(24);

}

[复制代码](javascript:void(0);)

　　Ps: 在使用Hadoop集群进行发送POST请求时，遇到"java.lang.NoSuchFieldError: INSTANCE"的问题，此类问题一般是"jar包冲突"的问题所致，但奇怪的是本地的pom.xml设置的依赖包中有该字段，相关的httpclient依赖包如下：

[复制代码](javascript:void(0);)

<dependency>

<groupId>org.apache.httpcomponents</groupId>

<artifactId>httpclient</artifactId>

<version>4.4.1</version>

</dependency>

<dependency>

<groupId>org.apache.httpcomponents</groupId>

<artifactId>httpcore</artifactId>

<version>4.4.1</version>

</dependency>