

JAVA/C# API调用-充值接口 DEMO

Java DEMO

```
package hk.sohan.card.web.timer;

import hk.sohan.card.core.util.AppUtils;

import org.apache.http.HttpResponse;
import org.apache.http.client.methods.HttpPost;
import org.apache.http.entity.StringEntity;
import org.apache.http.impl.client.DefaultHttpClient;
import org.apache.http.util.EntityUtils;
import org.json.JSONObject;

public class SRRechargeDemo {

    public static void recharge(String orderId, int chargeType, String operatorType, String mobile, String unitPrice) throws Exception {
        JSONObject json = new JSONObject();
        json.put("action", "CZ");// 充值[参数]
        json.put("orderId", orderId);// 订单号
        json.put("chargeAcct", mobile);// 充值账户[手机号QQ]
                                         // [充值账户]075588889999]
        json.put("chargeCash", unitPrice);// 充值金额[参数]
        json.put("chargeType", chargeType);// 充值类型[0:余额1:话费2:流量3:宽带]
        if (2 == chargeType || 3 == chargeType) {
            // 宽带|流量|余额[充值账户]
            json.put("ispName", "00");
        }
        json.put("retUrl", "http://www.baidu.com/rest");
        String jsonStr = json.toString().replaceAll("\\\\\\\\", "\\");
        String sign = AppUtils.md5Hex(jsonStr + "0FE8E43F53BB5848");
        System.out.println("参数" + jsonStr + "0FE8E43F53BB5848");

        JSONObject params = new JSONObject();
        params.put("sign", sign);
        params.put("agentAccount", "api_test");
        params.put("busiBody", json);
        String paramsStr = params.toString().replaceAll("\\\\\\\\", "\\");
        DefaultHttpClient httpClient = new DefaultHttpClient();
```

```

HttpPost method = new HttpPost("http://api.sohan.hk:50080/API");

StringEntity entity = new StringEntity(paramsStr, "GBK");
System.out.println("发送" + EntityUtils.toString(entity, "GBK"));
entity.setContentType("application/json");
method.setEntity(entity);

HttpResponse result = httpClient.execute(method);
String resData = EntityUtils.toString(result.getEntity(), "GBK");
System.out.println(resData);

}

public static void main(String[] args) throws Exception {
    recharge("075586396893031", 3, "1", "075586396893", "1");
}
}

```

C# DEMO

```

using System;
using System.Collections.Generic;
using System.IO;
using System.Linq;
using System.Net;
using System.Security.Cryptography;
using System.Text;
using System.Threading.Tasks;
using System.Web;
using Newtonsoft.Json;

namespace Sohan.API.Demo
{
    class Program
    {
        private static string apiUrl = "http://127.0.0.1:50080/API"; //api 地址
        private static string userAcct = "SH-20120209064"; //api账号
        private static string apiKey = "7A6E0E326AF4444A"; //api密钥
        private static string returnUrl = "http://127.0.0.1:9900/"; //回调地址

        static void Main(string[] args)
        {
            var orderId = DateTime.Now.ToString("yyyyMMddHHmmss"); //订单号
            orderId += "demo", //订单号后缀
            orderId += "Id"
        }
    }
}

```

```

//Recharge(orderId, "13632622349",10, 0); //充值 10

//Recharge(orderId, "13632622349", 3, 1, "", 0, 10); //充值 10

Recharge(orderId, "075582672995", 100, 2,""); //充值 100

//Recharge(orderId, "0539-053900691159", 100, 3, ""); //充值 100

Console.ReadKey();

}

/// <summary>

/// 

/// </summary>

/// <param name="orderId">订单ID(必填)</param>

/// <param name="chargeAcct">账户</param>

/// <param name="chargeCash">金额</param>

/// <param name="chargeType">充值类型.(0:demo 1:话费 2:流量 3:宽带)</param>

/// <param name="flowPackageType">流量套餐 0:0M 1:10M (0:0M-100M)</param>

/// <param name="flowPackageSize">流量大小 (0:0M-100M)</param>

static void Recharge(string orderId,string chargeAcct,int chargeCash,int chargeType,string ispName="",int flowPackageType=0,int flowPackageSize=0)

{

    if (chargeType == 1 && flowPackageSize==0) // cahrgeType 1:话费, flowPackSize0.

    {

        Console.WriteLine("话费充值, flowPackageSize 必填,0");

        return;

    }

    var busiModel = new //model

    {

        action = "CZ",

        orderId,

        chargeAcct,

        chargeCash,

        chargeType,

        flowPackageType,

        flowPackageSize,

        qqProvince = "",

        chargeAmount = 1,

        productSn = "",

        ispName,

```

```

    retUrl = HttpUtility.UrlEncode(returnUrl)
};

var busiJson = JsonConvert.SerializeObject(busiModel); //将对象转为json，返回值
var md5Source = busiJson + apiKey;

Console.WriteLine("MD5源：" + md5Source + "\r\n");

var sign = MD5Encrypt(md5Source); //对MD5源进行加密

Console.WriteLine("MD5密文：" + sign + "\r\n");

var requestModel = new //model
{
    agentAccount = userAcct,
    sign,
    busiBody = busiModel
};

var requestJson = JsonConvert.SerializeObject(requestModel); //将对象转为json，Newtonsoft.Json
Console.WriteLine("请求参数：" + requestJson + "\r\n");

var response = HttpPost(requestJson, apiUrl, "text/plain"); //发送http请求

Console.WriteLine("响应结果：" + response + "\r\n");
}

public static string HttpPost(string postData, string url, string contentType =
"application/x-www-form-urlencoded")
{
    var req = (HttpWebRequest)WebRequest.Create(url);

    var encoding = Encoding.GetEncoding("gb2312");

    byte[] bs = Encoding.GetEncoding("gb2312").GetBytes(postData);

    req.Method = WebRequestMethods.Http.Post;

    req.ContentType = contentType;
    req.ContentLength = bs.Length;

    using (Stream reqStream = req.GetRequestStream())
    {
        reqStream.Write(bs, 0, bs.Length);
    }

    using (HttpWebResponse response = (HttpWebResponse)req.GetResponse())
    {
        string responseData;
    }
}

```

```
using (StreamReader reader = new  
StreamReader(response.GetResponseStream(),encoding))  
{  
    responseData = reader.ReadToEnd().ToString();  
}  
  
return responseData;  
}  
  
}  
  
public static string MD5Encrypt(string pToEncrypt)  
{  
    MD5CryptoServiceProvider md5 = new MD5CryptoServiceProvider();  
    byte[] InBytes = Encoding.UTF8.GetBytes(pToEncrypt);  
    byte[] OutBytes = md5.ComputeHash(InBytes);  
    string OutString = "";  
    for (int i = 0; i < OutBytes.Length; i++)  
    {  
        OutString += OutBytes[i].ToString("x2");  
    }  
    return OutString;  
}  
  
}  
  
}
```

ID: 78

时间: 2017-06-16

Revision: 1

语言 -> JAVA/C# API-DEMO DEMO

<http://faq.sy666.com:82/index.php?View=entry&EntryID=78>