# 彩象B2C第三方接口设计文档

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 日期 | 作者 | 版本 | 主要内容 | 备注 |
| 2014.07.24 | 唐涛 | 0.2 | 更新接口 |  |
| 2014.07.31 | 唐涛 | 0.3 | 更新接口 |  |
| 2014.09.22 | 唐涛 | 0.4 | 更新接口 |  |
| 2014.10.20 | 陈胜 | 0.5 | 接口定义 |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## 定义

### 协议说明

协议使用http传输

请求方使用http post提交请求

请求和响应消息使用json格式字符串

json编码格式使用utf-8

**所有金额单位为元**

### 请求消息

{“encryptStr”:”加密消息体”}

### 返回消息

{“data”:”返回数据”,”msg”:”响应消息”,”code”:”返回码”}

详细的code码见附录2说明

### 加密消息体

消息体的加密算法为：Base64(DES(消息体))

### 3DES加密

1) 密钥长度为24字节(测试key为: 123456789123456789123456)

2) 待加密数据按照PKCS5PADDING规则进行补位

3) 实际加密模式选择DESEDE-CBC

4) 经过DESEDE加密后的数据必须通过Base64编码转换为明文的字符串

以下所有接口参数是未加密的消息体

### Token/uid

用户token /uid用于下单/跟单,付款,查询订单等 示具体情况而定

**uid=10955**

**username=test**

**为测试账户**

具体合作商配备的测试账户不同

## 接口

### 1.1 查询用户订单列表(不加密)

|  |  |
| --- | --- |
| 接口地址 | http://www.51caixiangtest.com/2345/ticket/v1/order/list |

* **请求参数**

{"token":"10955","uid":10955,"orderId":"","lid":51,"orderType":0,"status":220,"beginTime":1414222912284,"endTime":1414568512284,"pn":1,"ps":10}

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名 | 是否必选 | 描述 | 类型 |
| token | 必选 | 用户token | String |
| uid | 必选 | 用户id |  |
| orderId | 可选 | 查询指定订单内容，订单id是第三方订单id | String |
| orderType | 可选 | 订单类型 | Int |
| status | 可选 | 订单状态 | Int |
| lid | 可选 | 订单彩种 | Int |
| beginTime | 可选 | 订单创建时间 | Long |
| endTime | 可选 | 订单创建时间 | Long |
| pn | 可选,默认1 | 分页查询指定页号 | Int |
| ps | 可选，默认10 | 分页查询每页的数目 | Int |

**响应内容**

|  |  |
| --- | --- |
| 参数名 | 描述 |
| Rt | 错误码，0表示成功，非0表示出错(见附录2) |
| Msg | 出错信息 |
| Content | Data/json |
|  |  |

{"data":{"totalPage":1,"items":[{"codecc":null,"uid":"10955","createTime":1414480138000,"lotIssue":"2014125","status":"220","orderType":"0","orderCode":"trdOrderCode1414480074329","buyNum":null,"ticketTime":null,"lotMulti":"1","lotType":"51","eachAmount":"2.00","qsFlag":"0","allMoney":"2.00","userName":"CXtest","margin":null,"bonus":null,"buycontent":"01,02,03,04,05,06|07:1:1"}],"currentPageNo":1},"msg":"成功","code":0}

Content 格式：

|  |  |  |
| --- | --- | --- |
| 字段 | 类型 | 说明 |
| orderCode | string | 彩象订单编号 |
| SorderCode | string | 第三方订单编号—唯一性约束 |
| lotType | Int | 彩种编码 |
| LotIssue | String | 期号 |
| Suid | Long | 第三方接入系统是的唯一用户标示 |
| Susername | String | 第三方接入系统时告诉的用户名 |
| lotMulti | Int | 投注倍数 |
| pourNum | Int | 投注注数 |
| allMoney | Double | 投注金额 |
| eachAmount | int | 每注金额 |
| createTime | Date | 创建时间 |
| bonus | Double | 税前中奖金额 |
| margin | Double | 税后中奖金额 |
| status | Int | 订单状态 |
| orderType | int | 订单类型 |

### 1.2 彩象订单通知接口标准(加密)

|  |  |
| --- | --- |
| 接口地址 | http://caipiao1.2345.com/main/ReCallApi/CPOrder |

@POST

Content-type:application/json

原始内容:

{"codecc":null,"uid":"123456789","createTime":1414034496000,"lotIssue":"2014119","status":"100","orderType":"0","orderCode":"cshm1414034496408","buyNum":null,"ticketTime":null,"lotMulti":"1","lotType":"51","eachAmount":"2.00","qsFlag":"0","allMoney":"2.00","userName":"CXcs","margin":null,"bonus":null,"buycontent":"01,02,03,04,05,06|07:1:1"}

加密后的内容:

XoFARK7Y6Bhn1gcp2xGm08LgnUTW7HHGQODEShjMYuM6hVyxelX4MjgkRwAagqK4Nxyl+Tx5ZkX8XGGmjth0O8jG34v86CoecoCcd2DE276Q0hbpEFK99rRmko+OBBr1FlLc9pZklwQsP9lX+xGs4mArmVE0S/ma1yKh0E/YgKm4X69wvDTeJCS+ny3MJ05GDwTJSbWEnXl8anNQ6VeBJZh7hoAcfZArW96ts29CiQoZbGRc1F8OE24hnvmbpKWEADjmIxXf6LE76/emZ7Hqd59Q2E6BcgqD0d93nQtXQwvYyG7Kt2/2JgDSf3IXXYKaZx1reUgMxNTNgb/Vd+qNC7dhoNvQ5WoOs0fgcZbNjhDieDoUGvem1jKKPk9/HBcEht9Ri1j8EzEZMJEo83qMQNkBFp1eVo3cKsQSOap207tPa2sSkBAKni6yHzy/312B3DEtKg+D+2U=

发送的内容:

{"encryptStr":"XoFARK7Y6Bhn1gcp2xGm08LgnUTW7HHGQODEShjMYuM6hVyxelX4MjgkRwAagqK4Nxyl+Tx5ZkX8XGGmjth0O8jG34v86CoecoCcd2DE276Q0hbpEFK99rRmko+OBBr1FlLc9pZklwQsP9lX+xGs4mArmVE0S/ma1yKh0E/YgKm4X69wvDTeJCS+ny3MJ05GDwTJSbWEnXl8anNQ6VeBJZh7hoAcfZArW96ts29CiQoZbGRc1F8OE24hnvmbpKWEADjmIxXf6LE76/emZ7Hqd59Q2E6BcgqD0d93nQtXQwvYyG7Kt2/2JgDSf3IXXYKaZx1reUgMxNTNgb/Vd+qNC7dhoNvQ5WoOs0fgcZbNjhDieDoUGvem1jKKPk9/HBcEht9Ri1j8EzEZMJEo83qMQNkBFp1eVo3cKsQSOap207tPa2sSkBAKni6yHzy/312B3DEtKg+D+2U="}

* **发送内容参数和查询单个订单内容相同**
* 通知在订单状态发送变化时发送。发送不成功会重试，直到对方确认接受成功为止。

### 1.3 支付订单(加密)

|  |  |
| --- | --- |
| 接口地址 | http://www.51caixiangtest.com/2345/ticket/v1/order/pay |

* **请求参数**

**加密前内容:**

{"token":"10955","uid":10955,"orderId":"trdOrderCode1414480074329","money":2.0}

**加密结果:**

ccAvxioh6/my373pDwkE3ODksahlrF7WZ7TIt9Tr6YbEOB+UBHKufJeN5UTarOY/Hfu99CsluH/bRV4Sf8rfBqx8eIYYTkq+b9uZC8Sjbco=

**POST内容:**

{"encryptStr":"ccAvxioh6/my373pDwkE3ODksahlrF7WZ7TIt9Tr6YbEOB+UBHKufJeN5UTarOY/Hfu99CsluH/bRV4Sf8rfBqx8eIYYTkq+b9uZC8Sjbco="}

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名 | 是否必选 | 描述 | 类型 |
| token | 必选 | 用户token | String |
| uid | 必选 | 用户id | long |
| orderId | 必选 | 支付订单的id | String |
| money | 必选 | 支付金额 | double |

* **使用场景**

第三方收到用户付款后，调用彩象通知付款

* **响应内容**

|  |  |
| --- | --- |
| 参数名 | 描述 |
| Rt | 错误码，0表示成功，非0表示出错(见附录2) |
| Msg | 出错信息 |
| Content | Data/json |
|  |  |

### 1.4 提交订单(加密)

|  |  |
| --- | --- |
| 接口地址 | http://www.51caixiangtest.com/2345/ticket/v1/order/create |

* **请求参数**

**加密前内容(普通订单):**

{"token":"10955","uid":10955,"userName":"test","phoneNum":13912345678,"idCard":"420123198011112134","email":"1111@caixiang.com","orderId":"trdOrderCode1414480074329","buyPlatform":0,"codes":"01,02,03,04,05,06|07:1:1","lid":51,"money":2.0,"multi":1,"issue":"2014125","playType":0,"betTnum":1,"isChase":0,"orderType":0}

**加密结果(普通订单):**

ccAvxioh6/my373pDwkE3ODksahlrF7Wsw+TVqrg3kapruKdOdW7oMwd8vA81qTI/5ELFsQ5LPh1SrlaqrAv2VeeEl4uaEbE9JHZDCjVYfpyEwu9R03n4p7PrzPke0Dwf31EJ9chHwCoDNn8trWkxZCiW3tiwDsN4OQHFR6tlrddImDMmq36RV7PApoIFdBu6Q0kf1K3Kfs+sdBVDANRr8kB4p0P7IiiSdxOiCM5HVz5mmD/dyf4bxQ5HLN4eLjThVmLu+DM4e+q5VQbAnO0R4zIC1RHbGZZRtplqLhKmHxl0tpzHRJ73IuCDsp1qtCeok2PhbtA1YWnXS9qohrH2DdI60Kw5O36fbe0oox3/MAbastvpQLm8u1vnd5WwYRE1ICWDz7ixEZlBakrLPc/dVC83ilVpmnflLIzveTk/D8=

**POST内容(普通订单):**

{"encryptStr":"ccAvxioh6/my373pDwkE3ODksahlrF7Wsw+TVqrg3kapruKdOdW7oMwd8vA81qTI/5ELFsQ5LPh1SrlaqrAv2VeeEl4uaEbE9JHZDCjVYfpyEwu9R03n4p7PrzPke0Dwf31EJ9chHwCoDNn8trWkxZCiW3tiwDsN4OQHFR6tlrddImDMmq36RV7PApoIFdBu6Q0kf1K3Kfs+sdBVDANRr8kB4p0P7IiiSdxOiCM5HVz5mmD/dyf4bxQ5HLN4eLjThVmLu+DM4e+q5VQbAnO0R4zIC1RHbGZZRtplqLhKmHxl0tpzHRJ73IuCDsp1qtCeok2PhbtA1YWnXS9qohrH2DdI60Kw5O36fbe0oox3/MAbastvpQLm8u1vnd5WwYRE1ICWDz7ixEZlBakrLPc/dVC83ilVpmnflLIzveTk/D8="}

**加密前内容(合买订单):**

{"token":"10955","uid":10955,"userName":"test","phoneNum":13912345678,"idCard":"420123198011112134","email":"1111@caixiang.com","orderId":"trdOrderCode1414480569755","buyPlatform":0,"codes":"01,02,03,04,05,06|07:1:1","lid":51,"money":2.0,"multi":1,"issue":"2014125","playType":0,"betTnum":1,"isChase":0,"orderType":1,"status":null,"beginTime":null,"endTime":null,"tnum":200,"wrate":1,"oflag":1,"bnum":50,"pnum":50,"name":"合买标题","desc":"合买描述"}

**加密结果(合买订单):**



**POST内容(合买订单):**

{"encryptStr":""}

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名 | 是否必选 | 描述 | 类型 |
| token | 必选 | 用户token,解开后带有原始用户id，原始用户名，原始手机号  详情见系统通信安全机制 | String |
| uid | 必选 | 用户id | long |
| userName | 必选 | 用户名 | String |
| phoneNum | 必选 | 手机号码 | Long |
| icCard | 必选 | 身份证 | String |
| email | 必选 | 邮箱 | String |
|  |  |  |  |
| orderId | 必选 | 订单id | String |
| buyPlatform | 必须 | 购买的方式 | INT |
| codes | 必须 | 购买内容 | String |
| lid | 必须 | 彩种id | Int |
| money | 必须 | 购买金额 | double |
| multi | 必须 | 倍数 | Int |
| issue | 必须 | 期号 | String |
| playType | 必须,默认为0 | 玩法类型 | Int |
| betTnum | 必须-默认1 | 注数 | Int |
| isChase | 必须-默认0 | 是否追加(用于大乐透)0：不是，1：是 | Int |
| orderType | 必须-默认0 | 订单类型：0:代购,1:合买,2:追号,3:参与合买 | Int |
| tnum | 合买必须 | 合买总份数 | Int |
| wrate | 合买必须 | 合买发起发提成比例 | Int |
| oflag | 合买必须 | 合买方案开放标志(1,2,3) | Int |
| bnum | 合买必须 | 合买发起人购买份数 | Int |
| pnum | 合买必须 | 合买发起人保底份数 | Int |
| name | 合买必须 | 合买标题 | String |
| desc | 合买必须 | 合买描述 | String |

**响应内容**

|  |  |
| --- | --- |
| 参数名 | 描述 |
| Rt | 错误码，0表示成功，非0表示出错(见附录2) |
| Msg | 出错信息 |
| Content | Data/json---成功返回在彩象的orderCode。 |
|  |  |

**响应内容:**

{"code":0,"msg":"成功","data":null}

### 1.5查询合买列表(不加密)

|  |  |
| --- | --- |
| 接口地址 | http://www.51caixiangtest.com/2345/ticket/v1/order/hemaiList |

请求参数:

{"token":"10955","uid":10955,"lid":51,"oflag":1,"pn":1,"ps":10}

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名 | 是否必选 | 描述 | 类型 |
| token | 必选 | 用户token | String |
| uid | 可选 | 用户id | Long |
| lid | 可选 | 彩种 | Int |
| oflag | 可选 | 合买开放标识 | Int |
| pn | 可选,默认1 | 分页查询指定页号 | Int |
| ps | 可选，默认10 | 分页查询每页的数目 | Int |

**响应内容**

|  |  |
| --- | --- |
| 参数名 | 描述 |
| Rt | 错误码，0表示成功，非0表示出错(见附录2) |
| Msg | 出错信息 |
| Content | Data/json |
|  |  |
|  |  |

{"data":{"totalPage":1,"items":[{"uid":10955,"oneMoney":0.01,"orderCode":"trdOrderCode1414480569755","haveBuyNum":50,"lotType":51,"content":"合买描述","totalNum":200,"guaranteeNum":50,"title":"合买标题","ratio":25,"userName":"test","showType":1,"partNum":1,"commission":1,"channel":11110000,"allmoney":2}],"currentPageNo":1},"msg":"成功","code":0}

### 1.6 查询订单拆票详情(不加密)

|  |  |
| --- | --- |
| 接口地址 | http://www.51caixiangtest.com/2345/ticket/v1/order/ticket |

* **请求参数**

{"token":"10955","uid":10955,"orderId":"trdOrderCode1414480074329"}

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名 | 是否必选 | 描述 | 类型 |
| token | 必选 | 用户token | String |
| uid | 必选 | 用户id | Long |
| orderId | 必选 | 订单 | String |

**响应内容**

|  |  |
| --- | --- |
| 参数名 | 描述 |
| Rt | 错误码，0表示成功，非0表示出错(见附录2) |
| Msg | 出错信息 |
| Content | Data/json |

{"data":[],"msg":"成功","code":0}

### 1.7 合买跟单(加密)

|  |  |
| --- | --- |
| 接口地址 | http://www.51caixiangtest.com/2345/ticket/v1/order/follow |

**加密前内容:**

{"token":"10955","uid":10955,"userName":"test","phoneNum":13912345678,"idCard":"420123198011112134","email":"1111@caixiang.com","parentOrderId":"trdOrderCode1414480569755","orderId":"trdOrderCode1414481692496","buyPlatform":0,"money":0.1,"bnum":10}

加密结果:

ccAvxioh6/my373pDwkE3ODksahlrF7Wsw+TVqrg3kapruKdOdW7oMwd8vA81qTI/5ELFsQ5LPh1SrlaqrAv2VeeEl4uaEbE9JHZDCjVYfpyEwu9R03n4p7PrzPke0Dwf31EJ9chHwCoDNn8trWkxZCiW3tiwDsN4OQHFR6tlrfW5GtzAW5FYYCn9HfNvaczGhRxZh2q/dTRqhUryUGJjD3Nl5I5Z87OuelMeuGQogRU1urgnrx1taIPLbzH7TgGZkXBZjY1Q9W7T0J5VRhdfMi5pzVXDuFKOnDfFpmWQPOvATo04eYLnLOJloo3CaJQElViz3+dO2tBL32TcsBdFA==

POST内容:

{"encryptStr":"ccAvxioh6/my373pDwkE3ODksahlrF7Wsw+TVqrg3kapruKdOdW7oMwd8vA81qTI/5ELFsQ5LPh1SrlaqrAv2VeeEl4uaEbE9JHZDCjVYfpyEwu9R03n4p7PrzPke0Dwf31EJ9chHwCoDNn8trWkxZCiW3tiwDsN4OQHFR6tlrfW5GtzAW5FYYCn9HfNvaczGhRxZh2q/dTRqhUryUGJjD3Nl5I5Z87OuelMeuGQogRU1urgnrx1taIPLbzH7TgGZkXBZjY1Q9W7T0J5VRhdfMi5pzVXDuFKOnDfFpmWQPOvATo04eYLnLOJloo3CaJQElViz3+dO2tBL32TcsBdFA=="}

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名 | 是否必选 | 描述 | 类型 |
| token | 必选 | 用户token | String |
| uid | 必选 | 用户id | long |
| userName | 必选 | 用户名 | String |
| phoneNum | 必选 | 手机号码 | Long |
| icCard | 必选 | 身份证 | String |
| email | 必选 | 邮箱 | String |
|  |  |  |  |
| orderId | 必须 | 订单id | string |
| parentOrderId | 必须 | 父订单id | String |
| buyPlatform | 必须 | 购买平台 | Int |
| money | 必须 | 金额 | double |
| bnum | 必须 | 购买份数 | Int |

**响应内容**

|  |  |
| --- | --- |
| 参数名 | 描述 |
| Rt | 错误码，0表示成功，非0表示出错(见附录2) |
| Msg | 出错信息 |
| Content | Data/json |

{"code":0,"msg":"成功","data":null}

### 1.8 合买详情(不加密)

|  |  |
| --- | --- |
| 接口地址 | http://www.51caixiangtest.com/2345/ticket/v1/order/hemaiDetail |

* **请求参数**

{"token":"10955","uid":10955,"orderId":"trdOrderCode1414480569755"}

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名 | 是否必选 | 描述 | 类型 |
| token | 必选 | 用户token | String |
| uid | 必选 | 用户id | Long |
| orderId | 必选 | 订单id | String |

**响应内容**

|  |  |
| --- | --- |
| 参数名 | 描述 |
| Rt | 错误码，0表示成功，非0表示出错(见附录2) |
| Msg | 出错信息 |
| Content | Data/json |

{"data":{"gamesList":[],"order":{"codecc":null,"uid":"10955","createTime":1414480614000,"lotIssue":"2014125","status":"200","orderType":"1","orderCode":"trdOrderCode1414480569755","buyNum":"50","ticketTime":null,"lotMulti":"1","lotType":"51","eachAmount":"2.00","qsFlag":"0","allMoney":"0.50","userName":"CXtest","margin":null,"bonus":null,"buycontent":"01,02,03,04,05,06|07:1:1"},"togetherOrderInf":{"oneMoney":"0.01","isFull":"0","haveBuyNum":"50","lotCode":"51","bonusPostFax":null,"creatorname":"CXtest","content":"合买描述","totalNum":"200","guaranteeNum":"50","title":"合买标题","creatorid":"10955","showType":"1","margin":null,"bonus":null,"partNum":"1","commission":"1","allmoney":"2","fullTime":null}},"msg":"成功","code":0}

### 1.9 查询用户出票成功，中奖消息

|  |  |
| --- | --- |
| 接口地址 | http://www.51caixiangtest.com/2345/ticket/v1/order/msg/list |

* **请求参数**
* {"token":"10955","uid":10955,"type":1,"pn":10}

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名 | 是否必选 | 描述 | 类型 |
| token | 必选 | 用户token | String |
| uid | 必选 | 用户id | Long |
| type | 可选 | 通知的类型 | Int 1：出票成功；2：中奖，不填写表示查询所有类型 |
| pn | 可选 | 消息条数 | 默认为1 |

**响应内容**

|  |  |
| --- | --- |
| 参数名 | 描述 |
| Rt | 错误码，0表示成功，非0表示出错(见附录2) |
| Msg | 出错信息 |
| Content | Data/json |

### 1.10 invalid中奖消息

|  |  |
| --- | --- |
| 接口地址 | http://www.51caixiangtest.com/2345/ticket/v1/order/msg/invalid |

* **请求参数**
* {"token":"10955","uid":10955,"type":1 }

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名 | 是否必选 | 描述 | 类型 |
| token | 必选 | 用户token | String |
| uid | 必选 | 用户id | Long |
| type | 可选 | 通知的类型 | Int 1：出票成功；2：中奖，不填写表示查询所有类型 |

* **使用场景**

已经阅读过通知，让用户的通知无效。

**响应内容**

|  |  |
| --- | --- |
| 参数名 | 描述 |
| Rt | 错误码，0表示成功，非0表示出错(见附录2) |
| Msg | 出错信息 |
| Content | Data/json |

## 附录

### 附录1 彩种code对照表

(11)—老足彩胜负彩

(12)-老足彩进球彩

(16)-老足彩半全场

(19)-老足彩任九场

(33)-排列三

(35)-排列五

(41)-竞彩北京单场

(42)-竞彩足球

(43)-竞彩篮球

(51)-双色球

(52)-福彩3D

(54)-上海11选5

(55)-上海11选5

(10022)-七星彩

(23528)-七乐彩

(23529)-大乐透

(21406)-十一运夺金

### 附录2 系统状态码

|  |  |
| --- | --- |
| *-1* | 未知错误 |
| *0* | 成功 |
| *1* | 失败 |
| *2* | 输入参数有错 |
| *3* | 缺少参数 |
| *4* | 系统错误 |
| *5* | 无权访问或操作该资源 |
| *6* | token过期 |
| *7* | token解密失败 |
| *8* | token与UID不匹配 |
| *9* | token与username不匹配 |
| 3549 | 缺少请求的参数 |
| *3550* | 投注内容格式校验出错 |
| *3551* | 投注的注数校验出错 |
| *3552* | 投注的金额校验出错 |
| *3554* | 期号不存在 |
| *3555* | 期号不在销售中 |
| *3557* | 查询的目标不存在 |
| *3558* | 订单已经失效，不能再支付 |
| *3559* | 无效的参数 |
| *3660* | 订单无效 |
| *3661* | 错误的合买注数 |
| *3662* | 支付失败,发送网络错误 |
| *3663* | 用户没有访问权限 |
| *3664* | 指定期号不正确 |
| *3665* | 投注成功，但是等待出票 |
| *3667* | 不允许取消订单 |
| *3668* | 金额超过系统限制 |
| *3669* | 投注注数超过系统限制 |
| *3670* | 请求修改的状态已经和请求是不同，刷新后重试 |
| *3671* | 非法的状态转换请求 |