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| 智慧园区综合管理平台 |
| 消费子系统对外开放接口文档 |
| **V1.0.1** |
| 浙江大华技术股份有限公司 |

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文档说明

## 编写目的

智慧园区综合管理平台(以下简称平台)

文档详细描述了平台开发的API资源接口,调用方式,返回结果以及使用场景等,用于第三方平台基于本平台做二次开发。

## 阅读对象

第三方厂家、合作伙伴、开发者等

## 相关术语

|  |  |
| --- | --- |
| 术语 | 解释 |
| api | 开放对外接口名 |
| token | 资源令牌,一种随机数用于资源认证 |
| URI | 统一资源标识符,用于标识资源名称的字符串 |
| URL | 统一资源定位符,用于获取资源位置和方法的简介表示 |
| header | http请求头,key-value键值对形式展现 |
| base64 | 一种编码格式 |
| MD5 | Message Digest algorithm 5(信息摘要算法) |
| SHA | Secure Hash Algorithm(安全散列算法) |
| HMAC | Hash Message Authentication Code(散列消息鉴别码) |
| TCP | Transmission Control Protocol(传输控制协议) |
| UDP | User Datagram Protocal(用户数据报协议) |
| SSL | Secure Sockets Layer(安全套接层) |
| http | HyperText Transfer Protocal(超文本传输协议) |
| https | 安全的http协议 |
| AMQP | Advanced Message Queuing Protocal(高级消息队列协议) |
| MQTT | Message Queuing Telemetry(消息队列遥测传输) |
| stomp | 流文本定向消息协议 |
| HLS | HTTP Live Streaming(一种由苹果公司提出的基础http的流媒体传输协议) |
| RTSP | Real Time Streaming Protocal(实时流传输协议) |
| RTMP | Real Time Messaging Protocal(实时消息传输协议) |

开发指南

## 协议综述

平台提供了各子系统:基础视频、一卡通、停车场、可视对讲、人脸、信息发布、动环、广播等API接口协议。所有API接口访问，都基于HTTP/1.1协议,遵循RESTFul风格。API访问的数据采用JSON格式。

平台的RESTful API,资源操作action遵循HTTP Verbs的语义:

|  |  |
| --- | --- |
| Verb | Description |
| HEAD | 可以获取任何资源的HTTP头信息 |
| GET | 用于获取资源,不能在content中带参数 |
| POST | 用于创建资源、更新资源 |
| PUT | 用于替换资源 |
| DELETE | 用于删除资源 |

所有的协议访问都要经过鉴权中心认证，所以在开始业务前,一定要用先创建会话来获取token,并在后续请求的HTTP URL后加上参数token,userId,userName。由于token是有一定期限的,获取token后,必须定时会话保活,默认的token有效期为半小时。

eg1:token拼接方式:

请求url后拼接上userId,username,token

eg:http://127.0.0.1:8314/admin/rest/api?userId=1&username=system&token=36F5B00B64004F30FB99723FAC005D15

eg2:token的保活方式:

调用模拟登录接口获取token,后续建议每半小时模拟登录一次重新获取token

ip:port为平台的ip,端口号若无特殊说明默认为8314

https调用的话需要屏蔽证书

## 错误响应及错误码

平台接口返回标识以调用各子系统返回值为主,在资源目录对应的子系统概述中有详细解释

## 字符编码

UTF-8

# 资源目录

## 1.1鉴权认证

### 方式一:

**接口描述:**

目前获取鉴权参数的主要方式是通过方式一;

通过方式二获取鉴权参数配套的8900平台版本为:8900 v3.1.4 bugfix版本(20200426)

### 获取公钥

**接口描述:**

用于获取令牌token步骤中密码的加密,加密方式为RSA加密,该接口默认端口为8314

**请求语法(URI):**

POST /WPMS/getPublicKey

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| loginName | 用户名 | string | 64 | Y |  |

**示例:**

|  |
| --- |
| {  "loginName": "system"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| errMsg | 错误原因 | string |  |
| publicKey | RSA公钥 | string | 用于1.1.2接口中密码的加密 |

**示例:**

|  |
| --- |
| {  "nonce": "MjAxOS0wMy0yMCAxNDoxMToyOQ==",  "publicKey": "MIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQCjm5ANYIIGrl2MMsuN+4X/Bp2KR4tKTF1qvJR/qNhpr5BeRcnhO2Fj//tyTXEBpa+FwyxWVnxWOYSBhsd/GAiuPvjRfU2ZSPDwH/YZEQDcFSuinzKb2EWM0pAnp+bqJfcemccLB8ulTygB61Bb1n9Eg6qjK/x55phCPYR6sDEZ1QIDAQAB",  "success": "true"  } |

**抓包截图:**

|  |
| --- |
| POST /WPMS/getPublicKey?spm=1585791976070 HTTP/1.1  Host: 10.35.120.145:443  X-Forwarded-Scheme: https  X-Real-IP: 10.33.65.13  X-Forwarded-For: 10.33.65.13  Content-Length: 22  Accept: \*/\*  Origin: https://10.35.120.145  X-Requested-With: XMLHttpRequest  Content-Type: application/json; charset=UTF-8  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.89 Safari/537.36  randomSession: 123123  Referer: https://10.35.120.145/WPMS/  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.8  Cookie: JSESSIONID=58C3057B5E6FDA64588F02D3E99EFA1C; currentToken=724f1f8129283c642a8d8634936b7066; JSESSIONID=60A6BC618B6B90EBD4FC6186D6602B49  {"loginName":"system"}HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Content-Type: application/json;charset=UTF-8  Content-Length: 395  Date: Thu, 02 Apr 2020 01:38:01 GMT  {"success":"true","loginName":null,"errMsg":null,"token":null,"id":null,"cmsIp":null,"cmsPort":null,"orgCode":null,"publicKey":"MIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQCXKVZBdh63Cck+h4Vn7ZAiKaLikC+VhkQKxKxheBBZofLtwI+WI8fmUFsoEhjy/nfDJkeSHFgdt9Ba1lXyIZNLtKT1KdhXOqC32w1YqMsg1NnBTrMLbuyVUVTcLRcn1CjX4j9K+ap1BF5whvl3Sos797Hpm6MiCdS2p4nLWEThVwIDAQAB","nonce":"MjAyMC0wNC0wMiAwOTozODowMQ\u003d\u003d"} |

### 鉴权参数获取(token,userId,userName)

**接口描述:**

用于获取接口鉴权的token,userId,userName

接口每次调用时,publicKey需要实时获取,密码用私钥解密时,是从session中取的,因此需要接口1.1.1和1.1.2保持同一个sessionId

该接口默认端口为8314

**请求语法(URI):**

POST /WPMS/login

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| loginName | 用户名 | string | -- | Y |  |
| loginPass | 密码 | string | -- | Y | RSA加密,公钥通过1.1.1获取 |

**示例:**

|  |
| --- |
| {  "loginName": "system",  "loginPass": "IaAVo4XYVla+0sn9P71B/AunGpFMzrn3pbLwv7IN6WgiUpOXaKH1j2XKyLfWbGSJMkDyMCau0glenYtXPCZjFL1HPdP0a+YlYLnkhKZThlj6fC8z8qiT3zbU9VCOjudHWfDMXcJeEfDrmF53hq0eeITsBW3qtZdezuVioQu1OHs="  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| errMsg | 错误原因 | string |  |
| token | 令牌 | string | 用于后续接口认证(token) |
| loginName | 用户名 | string | 用于后续接口认证(userName) |
| id | 用户id | id | 用于后续接口认证(userId) |

**测试demo:**

查看 调用sdk及demo\sdk-demo(java) 文件夹下的 SdkClient.login 方法

**示例:**

|  |
| --- |
| {  "cmsIp": "10.35.120.122",  "cmsPort": "9000",  "id": "1",  "loginName": "system",  "orgCode": "001",  "publicKey": "",  "success": "true",  "token": "bb4dd8197dc4aa54d107e490dcad9063"  } |

**抓包截图:**

|  |
| --- |
| POST /WPMS/login?spm=1585791976098 HTTP/1.1  Host: 10.35.120.145:443  X-Forwarded-Scheme: https  X-Real-IP: 10.33.65.13  X-Forwarded-For: 10.33.65.13  Content-Length: 241  Accept: \*/\*  Origin: https://10.35.120.145  X-Requested-With: XMLHttpRequest  Content-Type: application/json; charset=UTF-8  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.89 Safari/537.36  randomSession: 123123  Referer: https://10.35.120.145/WPMS/  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.8  Cookie: JSESSIONID=58C3057B5E6FDA64588F02D3E99EFA1C; currentToken=724f1f8129283c642a8d8634936b7066; JSESSIONID=60A6BC618B6B90EBD4FC6186D6602B49  {"loginName":"system","loginPass":"fTWv1GX0NlGge7Fuv9EmzjyFJOYQHFqty5YgDg13I29OveL4LvFUn0ycwdeCAntm0u+egjizIJPRXeO7T1b6Y4UG5/PcjnDvE0nrqu64zub+NKEraFL5LEHCtE+Ps4QDKCt6f1nnBFkuILpZEZDpk6d9LGtx0q5LwKAJngKi+CU=","timestamp":"15857914846209151"}HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Content-Type: application/json;charset=UTF-8  Content-Length: 1046  Date: Thu, 02 Apr 2020 01:38:01 GMT  {"success":"true","loginName":"system","errMsg":null,"token":"53e2d6738b5c49e8086c47987bd5bd01","id":"1","cmsIp":"10.35.120.145","cmsPort":null,"orgCode":"001","publicKey":"\u003d\u003d","nonce":null} |

### 接口鉴权方式

获取token鉴权方式见[协议综述](#_协议综述)

### 方式二:

**接口描述:**

适用于8900 v3.1.4 bugfix版本

### 1.1.1获取随机数

**接口描述:**

用于获取token的密码加密的随机数,该接口默认端口为8314

**请求语法(URI):**

POST /WPMS/getCryptKey

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| loginName | 用户名 | string | 64 | Y |  |

**示例:**

|  |
| --- |
| {  "loginName": "system"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| errMsg | 错误原因 | string |  |
| publicKey | 随机数 | string | 用于获取token的密码加密 |

**示例:**

|  |
| --- |
| {  "success": "true",  "loginName": null,  "errMsg": null,  "token": null,  "id": null,  "cmsIp": null,  "cmsPort": null,  "orgCode": null,  "publicKey": "37c0aefcedd7e923914c48fc177a807f",  "nonce": "MjAxOS0xMS0xOCAxNTozMDoyNQ=="  } |

**抓包截图:**

|  |
| --- |
| POST /WPMS/getCryptKey HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 30  Cache-Control: no-cache  Origin: chrome-extension://kcchblbcjgmlepphcapghahekamiipea  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.89 Safari/537.36  Content-Type: application/json  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.8  Cookie: JSESSIONID=85DEF1188C8F3346079C7DCA8D5FE78D; JSESSIONID=F6E432B128835A3DB3852B1F80D61177  {  "loginName": "system"  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Content-Type: application/json;charset=UTF-8  Content-Length: 211  Date: Wed, 01 Apr 2020 00:15:29 GMT  {"success":"true","loginName":null,"errMsg":null,"token":null,"id":null,"cmsIp":null,"cmsPort":null,"orgCode":null,"publicKey":"37c0aefcedd7e923914c48fc177a807f","nonce":"MjAyMC0wNC0wMSAwODoxNToyOQ\u003d\u003d"} |

### 1.1.2鉴权参数获取(token,userId,userName)

**接口描述:**

用于获取接口鉴权的token,userId,userName

**请求语法(URI):**

POST /WPMS/apiLogin

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| loginName | 用户名 | string | -- | Y |  |
| loginPass | 密码 | string | -- | Y | base64(密码+接口1.1.1返回的随机数) |

**示例:**

|  |
| --- |
| {  "loginName": "system",  "loginPass": "ZGFodWEyMDA2MzdjMGFlZmNlZGQ3ZTkyMzkxNGM0OGZjMTc3YTgwN2Y="  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | string | true:成功;false:失败 |
| errMsg | 错误原因 | string |  |
| token | 令牌 | string | 用于后续接口认证(token) |
| loginName | 用户名 | string | 用于后续接口认证(userName) |
| id | 用户id | id | 用于后续接口认证(userId) |

**示例:**

|  |
| --- |
| {  "success": "true",  "loginName": "system",  "errMsg": null,  "token": "db1777b32914947e801200c9d89b8ad8",  "id": "1",  "cmsIp": "10.35.122.134",  "cmsPort": null,  "orgCode": "001",  "publicKey": "37c0aefcedd7e923914c48fc177a807f",  "nonce": null  } |

**抓包截图:**

|  |
| --- |
| POST /WPMS/apiLogin HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 108  Cache-Control: no-cache  Origin: chrome-extension://kcchblbcjgmlepphcapghahekamiipea  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.89 Safari/537.36  Content-Type: application/json  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.8  Cookie: JSESSIONID=85DEF1188C8F3346079C7DCA8D5FE78D; JSESSIONID=F6E432B128835A3DB3852B1F80D61177  {  "loginName": "system",  "loginPass": "ZGFodWEyMDIwMzdjMGFlZmNlZGQ3ZTkyMzkxNGM0OGZjMTc3YTgwN2Y="  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Content-Type: application/json;charset=UTF-8  Content-Length: 220  Date: Wed, 01 Apr 2020 00:17:27 GMT  {"success":"true","loginName":"system","errMsg":null,"token":"9cc68f9e0329ee7c1d4fd3ea72eaa2ff","id":"1","cmsIp":"10.35.120.145","cmsPort":null,"orgCode":"001","publicKey":"37c0aefcedd7e923914c48fc177a807f","nonce":null} |

**示例:**

|  |
| --- |
| Demo1:  Base64(dahua200637c0aefcedd7e923914c48fc177a807f)  ==  ZGFodWEyMDA2MzdjMGFlZmNlZGQ3ZTkyMzkxNGM0OGZjMTc3YTgwN2Y=  Demo2:  Base64(Admin12337c0aefcedd7e923914c48fc177a807f)  ==  QWRtaW4xMjMzN2MwYWVmY2VkZDdlOTIzOTE0YzQ4ZmMxNzdhODA3Zg== |

### 1.1.3接口鉴权方式

获取token鉴权方式见[协议综述](#_协议综述)

## 1.2营业单位

**接口描述:**

接口请求url后拼接的userId和userName及token为1.1.2 鉴权参数获取 接口返回的id,loginName及token

营业单位数据访问端口默认8314,外网情况下需开通相应端口映射

### 1.2.1 添加营业单位

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/merchant?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| name | 营业单位名称 | string | 64 | Y |  |
| parentId | 上级营业单位id | long | 20 | Y | 根节点为1 |
| description | 备注 | string | 255 | N |  |

**示例:**

|  |
| --- |
| {  "description": "",  "name": "单位1",  "parentId": 1  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | long | 营业单位id |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "data": 2,  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/merchant?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 69  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "description": "",  "name": "......1",  "parentId": 1  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:15:24 GMT  2d  {"data":2,"errMsg":"success!","success":true}  0 |

### 1.2.2 修改营业单位

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/merchant/update?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 营业单位id | long | 20 | Y |  |
| name | 营业单位名称 | string | 64 | Y |  |
| parentId | 上级营业单位id | long | 20 | Y | 根节点为1 |
| description | 备注 | string | 255 | N |  |

**示例:**

|  |
| --- |
| {  "description": "",  "id": 1,  "name": "单位1",  "parentId": 1  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | -- |  |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/merchant/update?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 82  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "description": "",  "id": 1,  "name": "......1",  "parentId": 1  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:15:52 GMT  3f  {"errMsg":".................................!","success":false}  0 |

### 1.2.3 删除营业单位

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/merchant/delete/{id}?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

无

**示例:**

|  |
| --- |
| http://127.0.0.1:8314/CardSolution/card/merchant/delete/1?userId=xx&userName=xx&token=xx |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | -- |  |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/merchant/delete/2?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 2  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:19:23 GMT  24  {"errMsg":"success!","success":true}  0 |

### 1.2.4 营业单位查询

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/merchant/merchantTerminalTree?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

无

**示例:**

|  |
| --- |
| http://127.0.0.1:8314/CardSolution/card/merchant/merchantTerminalTree?userId=xx&userName=xx&token=xx |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | object[] |  |
| errMsg | 错误原因 | string |  |
| id | 营业单位id | long |  |
| name | 营业单位名称 | string |  |
| parentId | 上级营业单位id | long |  |

**示例:**

|  |
| --- |
| {  "data": [  {  "id": "1",  "name": "营业单位",  "parentId": "0",  "terminalId": 0,  "type": 0  },  {  "id": "3",  "name": "新节点2",  "parentId": "1",  "terminalId": 0,  "type": 0  }  ],  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/merchant/merchantTerminalTree?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 2  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:16:41 GMT  b7  {"data":[{"id":"1","name":"......11111","parentId":"1","terminalId":0,"type":0},{"id":"2","name":"......1","parentId":"1","terminalId":0,"type":0}],"errMsg":"success!","success":true}  0 |

## 1.3消费设备

**接口描述:**

接口请求url后拼接的userId和userName及token为1.1.2 鉴权参数获取 接口返回的id,loginName及token

消费设备数据访问端口默认8314,外网情况下需开通相应端口映射

消费设备的增删改建议通过8900平台去操作,避免配置出错

### 1.3.1 添加消费机

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| terminalName | 设备名称 | string | 64 | Y |  |
| terminalCode | 设备编号 | string | 32 | Y | 10位数字 |
| terminalIp | 设备IP | string | 20 | N |  |
| terminalPort | 设备端口 | string | 20 | Y |  |
| terminalType | 设备类型 | string | 10 | Y | 写死:消费机 |
| communicationMode | 通行方式 | string | 8 | Y | 写死:TCP/IP |
| status | 设备状态 | string | 8 | Y | 写死:离线 |
| merchantId | 设备所属营业单位 | long | 20 | Y | 接口1.2 |
| businessTimeId | 营业时段 | string | 20 | Y | 接口1.4 |
| consumptionRuleId | 消费规则 | string | 20 | Y | 写死:1 |
| terminalBindVO | 绑定人脸设备信息 | object | -- | N |  |
| channelCode | 通道编号 | string | 32 | N |  |
| channelName | 通道名称 | string | 64 | N |  |
| useFace | 是否自动人脸授权到设备 | int | 2 |  |  |
| relatedChannelName | 关联人脸识别门禁通道名称 | string | 64 | N |  |

**示例:**

|  |
| --- |
| {  "businessTimeId": "1",  "communicationMode": "TCP/IP",  "consumptionRuleId": "1",  "merchantId": 1,  "relatedChannelName": "",  "status": "离线",  "terminalBindVO": {  "channelCode": "1000130$7$0$0",  "channelName": "test223222\_通道1",  "useFace": 1  },  "terminalCode": "1111111112",  "terminalIp": "0.0.0.0",  "terminalName": "Test",  "terminalPort": "5001",  "terminalType": "消费机"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | long | 消费设备id |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "data": 3,  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 461  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "businessTimeId": "1",  "communicationMode": "TCP/IP",  "consumptionRuleId": "1",  "merchantId": 1,  "relatedChannelName": "",  "status": "......",  "terminalBindVO": {  "channelCode": "1000003$7$0$0",  "channelName": "test223222\_......1",  "useFace": 1  },  "terminalCode": "1111111112",  "terminalIp": "0.0.0.0",  "terminalName": "Test",  "terminalPort": "5001",  "terminalType": "........."  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:45:07 GMT  2d  {"data":1,"errMsg":"success!","success":true}  0 |

### 1.3.2 修改消费机

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal/update?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 消费设备id | long | 20 | Y | 新增返回 |
| terminalName | 设备名称 | string | 64 | Y |  |
| terminalCode | 设备编号 | string | 32 | Y | 10位数字 |
| terminalIp | 设备IP | string | 20 | N |  |
| terminalPort | 设备端口 | string | 20 | Y |  |
| terminalType | 设备类型 | string | 10 | Y | 写死:消费机 |
| communicationMode | 通行方式 | string | 8 | Y | 写死:TCP/IP |
| status | 设备状态 | string | 8 | Y | 写死:离线 |
| merchantId | 设备所属营业单位 | long | 20 | Y | 接口1.2 |
| businessTimeId | 营业时段 | string | 20 | Y | 接口1.4 |
| consumptionRuleId | 消费规则 | string | 20 | Y | 写死:1 |
| terminalBindVO | 绑定人脸设备信息 | object | -- | N |  |
| channelCode | 通道编号 | string | 32 | N |  |
| channelName | 通道名称 | string | 64 | N |  |
| useFace | 是否自动人脸授权到设备 | int | 2 |  |  |
| relatedChannelName | 关联人脸识别门禁通道名称 | string | 64 | N |  |

**示例:**

|  |
| --- |
| {  "businessTimeId": "1",  "communicationMode": "TCP/IP",  "consumptionRuleId": "1",  "id": 1,  "merchantId": 1,  "relatedChannelName": "",  "status": "离线",  "terminalBindVO": {  "channelCode": "1000130$7$0$0",  "channelName": "test223222\_通道1",  "useFace": 1  },  "terminalCode": "1111111112",  "terminalIp": "0.0.0.0",  "terminalName": "Test",  "terminalPort": "5001",  "terminalType": "消费机"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | -- |  |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal/update?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 472  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "businessTimeId": "1",  "communicationMode": "TCP/IP",  "consumptionRuleId": "1",  "id": 1,  "merchantId": 1,  "relatedChannelName": "",  "status": "......",  "terminalBindVO": {  "channelCode": "1000003$7$0$0",  "channelName": "test223222\_......1",  "useFace": 1  },  "terminalCode": "1111111112",  "terminalIp": "0.0.0.0",  "terminalName": "Test",  "terminalPort": "5001",  "terminalType": "........."  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:45:56 GMT  24  {"errMsg":"success!","success":true}  0 |

### 1.3.3 添加充值机

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| terminalName | 设备名称 | string | 64 | Y |  |
| terminalCode | 设备编号 | string | 32 | Y |  |
| terminalIp | 设备IP | string | 20 | N |  |
| terminalPort | 设备端口 | string | 20 | Y |  |
| terminalType | 设备类型 | string | 10 | Y | 写死:充值机 |
| communicationMode | 通行方式 | string | 8 | Y | 写死:TCP/IP |
| status | 设备状态 | string | 8 | Y | 写死:离线 |
| merchantId | 设备所属营业单位 | long | 20 | Y | 接口1.2 |
| businessTimeId | 营业时段 | string | 20 | Y | 接口1.4 |
| consumptionRuleId | 消费规则 | string | 20 | Y | 写死:1 |
| relatedChannelName | 关联人脸识别门禁通道名称 | string | 64 | N |  |

**示例:**

|  |
| --- |
| {  "businessTimeId": "1",  "communicationMode": "TCP/IP",  "consumptionRuleId": "1",  "merchantId": 1,  "relatedChannelName": "",  "status": "离线",  "terminalCode": "1111111111",  "terminalIp": "0.0.0.0",  "terminalName": "GGG",  "terminalPort": "5001",  "terminalType": "充值机"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | long | 消费设备id |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "data": 3,  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 321  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "businessTimeId": "1",  "communicationMode": "TCP/IP",  "consumptionRuleId": "1",  "merchantId": 1,  "relatedChannelName": "",  "status": "......",  "terminalCode": "1111111111",  "terminalIp": "0.0.0.0",  "terminalName": "GGG",  "terminalPort": "5001",  "terminalType": "........."  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:47:04 GMT  2d  {"data":2,"errMsg":"success!","success":true}  0 |

### 1.3.4 修改充值机

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal/update?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 消费设备id | long | 20 | Y | 新增返回 |
| terminalName | 设备名称 | string | 64 | Y |  |
| terminalCode | 设备编号 | string | 32 | Y |  |
| terminalIp | 设备IP | string | 20 | N |  |
| terminalPort | 设备端口 | string | 20 | Y |  |
| terminalType | 设备类型 | string | 10 | Y | 写死:充值机 |
| communicationMode | 通行方式 | string | 8 | Y | 写死:TCP/IP |
| status | 设备状态 | string | 8 | Y | 写死:离线 |
| merchantId | 设备所属营业单位 | long | 20 | Y | 接口1.2 |
| businessTimeId | 营业时段 | string | 20 | Y | 接口1.4 |
| consumptionRuleId | 消费规则 | string | 20 | Y | 写死:1 |
| relatedChannelName | 关联人脸识别门禁通道名称 | string | 64 | N |  |

**示例:**

|  |
| --- |
| {  "businessTimeId": "1",  "communicationMode": "TCP/IP",  "consumptionRuleId": "1",  "id": 3,  "merchantId": 1,  "relatedChannelName": "",  "status": "离线",  "terminalCode": "1111111111",  "terminalIp": "0.0.0.0",  "terminalName": "GGG",  "terminalPort": "5001",  "terminalType": "充值机"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | -- |  |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal/update?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 335  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "businessTimeId": "1",  "communicationMode": "TCP/IP",  "consumptionRuleId": "1",  "id": 2,  "merchantId": 1,  "relatedChannelName": "",  "status": "......",  "terminalCode": "1111111111",  "terminalIp": "0.0.0.0",  "terminalName": "GGG",  "terminalPort": "5001",  "terminalType": "........."  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:48:42 GMT  24  {"errMsg":"success!","success":true}  0 |

### 1.3.5 添加非定额人脸充值机

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 消费设备id | long | 20 | Y | 新增返回 |
| terminalName | 设备名称 | **string** | 64 | Y |  |
| terminalIp | 设备IP | string | 20 | N |  |
| terminalType | 设备类型 | string | 10 | Y | 写死:非定额人脸充值机 |
| communicationMode | 通行方式 | string | 8 | Y | 写死:TCP/IP |
| status | 设备状态 | string | 8 | Y | 写死:离线 |
| merchantId | 设备所属营业单位 | long | 20 | Y | 接口1.2 |
| serviceId | 服务id | string | 18 | Y | 写死:7007 |
| orgCode | 所属组织编码 | string | 32 | Y |  |
| deviceUser | 用户名 | string | 32 | Y |  |
| devicePassword | 密码 | string | 128 | Y | rsa加密 |
| devicePort | 端口 | string | 8 | Y |  |

**示例:**

|  |
| --- |
| {  "communicationMode": "TCP/IP",  "devicePassword": "lbdIMNWjzzW6q/v8OcsLOXOhW2Tcniqv9iMWagi1K8PbgoJ1wJkBdUGDtiTOCYzAV+9NOiwuEK1RImqJN/1OcZ/VAhbwb+uHi2cN1kZTbTWucCt58JkEvGbOQVn4o9zbZRCI3VT4vnw0OPc/fN04LaVZS+6/Fuc2xSkaOeJF3tw=",  "deviceUser": "admin",  "merchantId": 1,  "orgCode": "001",  "serviceId": "7007",  "status": "离线",  "terminalIp": "9.9.9.9",  "terminalName": "FFF",  "terminalType": "非定额人脸充值机",  "terminalCode": "222222"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | long | 消费设备id |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "data": 3,  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal?userId=1&userName=system&token=3d9d0b18c6933de644ef94736834c9be&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 489  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=60684CC1344FC57D7FA3750B1D72A03E; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "communicationMode": "TCP/IP",  "devicePassword": "lbdIMNWjzzW6q/v8OcsLOXOhW2Tcniqv9iMWagi1K8PbgoJ1wJkBdUGDtiTOCYzAV+9NOiwuEK1RImqJN/1OcZ/VAhbwb+uHi2cN1kZTbTWucCt58JkEvGbOQVn4o9zbZRCI3VT4vnw0OPc/fN04LaVZS+6/Fuc2xSkaOeJF3tw=",  "deviceUser": "admin",  "merchantId": 1,  "orgCode": "001",  "serviceId": "7007",  "status": "......",  "terminalIp": "9.9.9.9",  "terminalName": "FFF",  "terminalType": "........................",  "terminalCode": "222222"  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 18:14:10 GMT  2d  {"data":7,"errMsg":"success!","success":true}  0 |

### 1.3.6 修改非定额人脸充值机

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal/update?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 消费设备id | long | 20 | Y | 新增返回 |
| terminalName | 设备名称 | **string** | 64 | Y |  |
| terminalIp | 设备IP | string | 20 | N |  |
| terminalType | 设备类型 | string | 10 | Y | 写死:非定额人脸充值机 |
| communicationMode | 通行方式 | string | 8 | Y | 写死:TCP/IP |
| status | 设备状态 | string | 8 | Y | 写死:离线 |
| merchantId | 设备所属营业单位 | long | 20 | Y | 接口1.2 |
| serviceId | 服务id | string | 18 | Y | 写死:7007 |
| orgCode | 所属组织编码 | string | 32 | Y |  |
| deviceUser | 用户名 | string | 32 | Y |  |
| devicePassword | 密码 | string | 128 | Y | rsa加密 |
| devicePort | 端口 | string | 8 | Y |  |

**示例:**

|  |
| --- |
| {  "communicationMode": "TCP/IP",  "devicePassword": "lbdIMNWjzzW6q/v8OcsLOXOhW2Tcniqv9iMWagi1K8PbgoJ1wJkBdUGDtiTOCYzAV+9NOiwuEK1RImqJN/1OcZ/VAhbwb+uHi2cN1kZTbTWucCt58JkEvGbOQVn4o9zbZRCI3VT4vnw0OPc/fN04LaVZS+6/Fuc2xSkaOeJF3tw=",  "deviceUser": "admin",  "id": 3,  "merchantId": 1,  "orgCode": "001",  "serviceId": "7007",  "status": "离线",  "terminalIp": "9.9.9.9",  "terminalName": "FFF",  "terminalType": "非定额人脸充值机"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | -- |  |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal/update?userId=1&userName=system&token=3d9d0b18c6933de644ef94736834c9be&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 472  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=60684CC1344FC57D7FA3750B1D72A03E; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "communicationMode": "TCP/IP",  "devicePassword": "lbdIMNWjzzW6q/v8OcsLOXOhW2Tcniqv9iMWagi1K8PbgoJ1wJkBdUGDtiTOCYzAV+9NOiwuEK1RImqJN/1OcZ/VAhbwb+uHi2cN1kZTbTWucCt58JkEvGbOQVn4o9zbZRCI3VT4vnw0OPc/fN04LaVZS+6/Fuc2xSkaOeJF3tw=",  "deviceUser": "admin",  "id": 7,  "merchantId": 1,  "orgCode": "001",  "serviceId": "7007",  "status": "......",  "terminalIp": "9.9.9.9",  "terminalName": "FFF",  "terminalType": "........................"  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 18:15:48 GMT  24  {"errMsg":"success!","success":true}  0 |

### 1.3.7 添加人脸充值机

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| terminalName | 设备名称 | string | 64 | Y |  |
| terminalCode | 设备编号 | string | 32 | Y | 人脸设备通道编号 |
| terminalIp | 设备IP | string | 20 | N |  |
| terminalPort | 设备端口 | string | 20 | Y |  |
| terminalType | 设备类型 | string | 10 | Y | 写死:人脸充值机 |
| communicationMode | 通行方式 | string | 8 | Y | 写死:TCP/IP |
| status | 设备状态 | string | 8 | Y | 写死:离线 |
| merchantId | 设备所属营业单位 | long | 20 | Y | 写死:1,接口1.2 |
| businessTimeId | 营业时段 | string | 20 | Y | 默认:1,接口1.3 |
| consumptionRuleId | 消费规则 | string | 20 | Y | 写死:1 |
| relatedChannelName | 关联人脸识别门禁通道名称 | string | 64 | N |  |

**示例:**

|  |
| --- |
| {  "businessTimeId": "1",  "communicationMode": "TCP/IP",  "consumptionRuleId": "1",  "merchantId": 1,  "relatedChannelName": "134\_通道1",  "status": "离线",  "terminalCode": "1000143$7$0$0",  "terminalIp": "0.0.0.0",  "terminalName": "GGGGG",  "terminalPort": "5001",  "terminalType": "人脸充值机"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | long | 消费设备id |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "data": 3,  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 343  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "businessTimeId": "1",  "communicationMode": "TCP/IP",  "consumptionRuleId": "1",  "merchantId": 1,  "relatedChannelName": "134\_......1",  "status": "......",  "terminalCode": "1000143$7$0$0",  "terminalIp": "0.0.0.0",  "terminalName": "GGGGG",  "terminalPort": "5001",  "terminalType": "..............."  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:50:00 GMT  2d  {"data":3,"errMsg":"success!","success":true}  0 |

### 1.3.8 修改人脸充值机

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal/update?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 消费设备id | long | 20 | Y | 新增返回 |
| terminalName | 设备名称 | string | 64 | Y |  |
| terminalCode | 设备编号 | string | 32 | Y | 人脸设备通道编号 |
| terminalIp | 设备IP | string | 20 | N |  |
| terminalPort | 设备端口 | string | 20 | Y |  |
| terminalType | 设备类型 | string | 10 | Y | 写死:人脸充值机 |
| communicationMode | 通行方式 | string | 8 | Y | 写死:TCP/IP |
| status | 设备状态 | string | 8 | Y | 写死:离线 |
| merchantId | 设备所属营业单位 | long | 20 | Y | 写死:1,接口1.2 |
| businessTimeId | 营业时段 | string | 20 | Y | 默认:1,接口1.3 |
| consumptionRuleId | 消费规则 | string | 20 | Y | 写死:1 |
| relatedChannelName | 关联人脸识别门禁通道名称 | string | 64 | N |  |

**示例:**

|  |
| --- |
| {  "businessTimeId": "1",  "communicationMode": "TCP/IP",  "consumptionRuleId": "1",  "id": 3,  "merchantId": 1,  "relatedChannelName": "134\_通道1",  "status": "离线",  "terminalCode": "1000143$7$0$0",  "terminalIp": "0.0.0.0",  "terminalName": "GGGGG",  "terminalPort": "5001",  "terminalType": "人脸充值机"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | -- |  |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal/update?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 356  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "businessTimeId": "1",  "communicationMode": "TCP/IP",  "consumptionRuleId": "1",  "id": 3,  "merchantId": 1,  "relatedChannelName": "134\_......1",  "status": "......",  "terminalCode": "1000143$7$0$0",  "terminalIp": "0.0.0.0",  "terminalName": "GGGGG",  "terminalPort": "5001",  "terminalType": "..............."  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:50:23 GMT  24  {"errMsg":"success!","success":true}  0 |

### 1.3.9 删除消费设备

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal/delete?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| terminalIds | 消费设备id数组 | array | -- | Y |  |

**示例:**

|  |
| --- |
| {  "terminalIds": [  7,  8,  9,  10  ]  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | -- |  |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal/delete?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 41  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "terminalIds": [  2  ]  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:51:39 GMT  24  {"errMsg":"success!","success":true}  0 |

### 1.3.10 消费设备查看

**接口描述:**

--

**请求语法(URI):**

GET /CardSolution/card/consumption/terminal/{id}?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 考勤点id | long | 20 | Y |  |

**示例:**

|  |
| --- |
| http://127.0.0.1:8314/CardSolution/card/consumption/terminal/1?userId=1&userName=system&token=xx |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | object |  |
| errMsg | 错误原因 | string |  |

**示例:**

**消费机:**

|  |
| --- |
| {  "data": {  "accessControlDevice": {  "accessChnNum": 1,  "accessControlChannelList": [  {  "cardReaderList": [  {  "businessType": 1,  "code": "1",  "name": "Test1",  "openType": 26  }  ],  "channelName": "Test1",  "channelSeq": 0,  "delayTime": 3,  "deviceGenre": 0,  "psdFlag": 0,  "status": 5,  "validFlag": 1  }  ],  "accessThirdPartyOpenDoor": "0",  "alarmInputChnNum": 0,  "alarmOutputChnNum": 0,  "cardClearStatus": "0",  "deviceGenre": 0,  "deviceIp": "0.0.0.0",  "deviceModel": "16",  "deviceName": "Test1",  "devicePort": "5001",  "loginType": "1",  "manufacturer": "1"  },  "businessTimeId": 1,  "businessTimeName": "系统默认营业时段",  "communicationMode": "TCP/IP",  "consumptionRuleId": 1,  "consumptionRuleName": "系统默认消费规则",  "devicePort": "5001",  "id": 3,  "merchantId": 1,  "merchantName": "营业单位",  "relatedChannelName": "",  "status": "离线",  "terminalBindVO": {  "channelCode": "1000130$7$0$0",  "channelName": "test223222\_通道1",  "useFace": 1  },  "terminalCode": "2111111112",  "terminalIp": "0.0.0.0",  "terminalName": "Test1",  "terminalPort": "5001",  "terminalType": "消费机"  },  "errMsg": "success!",  "success": true  } |

**充值机:**

|  |
| --- |
| {  "data": {  "accessControlDevice": {  "accessChnNum": 1,  "accessControlChannelList": [  {  "cardReaderList": [  {  "businessType": 1,  "code": "1",  "name": "GGG",  "openType": 26  }  ],  "channelName": "GGG",  "channelSeq": 0,  "delayTime": 3,  "deviceGenre": 0,  "psdFlag": 0,  "status": 5,  "validFlag": 1  }  ],  "accessThirdPartyOpenDoor": "0",  "alarmInputChnNum": 0,  "alarmOutputChnNum": 0,  "cardClearStatus": "0",  "deviceGenre": 0,  "deviceIp": "0.0.0.0",  "deviceModel": "16",  "deviceName": "GGG",  "devicePort": "5001",  "loginType": "1",  "manufacturer": "1"  },  "businessTimeId": 1,  "businessTimeName": "系统默认营业时段",  "communicationMode": "TCP/IP",  "consumptionRuleId": 1,  "consumptionRuleName": "系统默认消费规则",  "devicePort": "5001",  "id": 4,  "merchantId": 1,  "merchantName": "营业单位",  "relatedChannelName": "",  "status": "离线",  "terminalCode": "1111111111",  "terminalIp": "0.0.0.0",  "terminalName": "GGG",  "terminalPort": "5001",  "terminalType": "充值机"  },  "errMsg": "success!",  "success": true  } |

**非定额人脸充值机:**

|  |
| --- |
| {  "data": {  "accessControlDevice": {  "accessChnNum": 1,  "accessControlChannelList": [  {  "cardReaderList": [  {  "businessType": 1,  "code": "1",  "name": "FFF",  "openType": 26  }  ],  "channelName": "FFF",  "channelSeq": 0,  "delayTime": 3,  "deviceGenre": 0,  "orgCode": "001",  "psdFlag": 0,  "status": 5,  "validFlag": 1  }  ],  "accessThirdPartyOpenDoor": "0",  "alarmInputChnNum": 0,  "alarmOutputChnNum": 0,  "cardClearStatus": "0",  "deviceGenre": 0,  "deviceIp": "9.9.9.9",  "deviceModel": "16",  "deviceName": "FFF",  "devicePassword": "123456",  "devicePort": "37777",  "deviceUser": "admin",  "loginType": "1",  "manufacturer": "1",  "orgCode": "001",  "serviceId": "7007"  },  "businessTimeId": 0,  "communicationMode": "TCP/IP",  "consumptionRuleId": 1,  "consumptionRuleName": "系统默认消费规则",  "devicePassword": "LE903UVlUsauZ1OSP7r5VklYnLBZxwXkHvMElMsV85eNS2BiyEw1lSzFYWSHuDU5mijrb9OHPufk/LhbfZKGO48spau7eaSBnldFjSe7XK9Fg8ae8JeZpFJC7x4Dht4LkudkLLpIbF9dYa415Jt/eXA4lzHhQ+iiTtSlh3nimoQ=",  "devicePort": "37777",  "deviceUser": "admin",  "id": 5,  "merchantId": 1,  "merchantName": "营业单位",  "orgCode": "001",  "orgName": "根节点",  "serviceId": "7007",  "status": "离线",  "terminalCode": "1000161",  "terminalIp": "9.9.9.9",  "terminalName": "FFF",  "terminalPort": "5001",  "terminalType": "非定额人脸充值机"  },  "errMsg": "success!",  "success": true  } |

**人脸充值机:**

|  |
| --- |
| {  "data": {  "accessControlDevice": {  "accessChnNum": 1,  "accessControlChannelList": [  {  "cardReaderList": [  {  "businessType": 1,  "code": "1",  "name": "TT",  "openType": 26  }  ],  "channelName": "TT",  "channelSeq": 0,  "delayTime": 3,  "deviceGenre": 0,  "psdFlag": 0,  "status": 5,  "validFlag": 1  }  ],  "accessThirdPartyOpenDoor": "0",  "alarmInputChnNum": 0,  "alarmOutputChnNum": 0,  "cardClearStatus": "0",  "deviceGenre": 0,  "deviceIp": "10.35.120.134",  "deviceModel": "16",  "deviceName": "TT",  "devicePort": "5001",  "loginType": "1",  "manufacturer": "1"  },  "businessTimeId": 1,  "businessTimeName": "系统默认营业时段",  "communicationMode": "TCP/IP",  "consumptionRuleId": 1,  "consumptionRuleName": "系统默认消费规则",  "devicePort": "5001",  "id": 2,  "merchantId": 1,  "merchantName": "营业单位",  "relatedChannelName": "134\_通道1",  "status": "离线",  "terminalCode": "1000143$7$0$0",  "terminalIp": "10.35.120.134",  "terminalName": "TT",  "terminalPort": "5001",  "terminalType": "人脸充值机"  },  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| GET /CardSolution/card/consumption/terminal/1?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Cache-Control: no-cache  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:52:05 GMT  405  {"data":{"accessControlDevice":{"accessChnNum":1,"accessControlChannelList":[{"cardReaderList":[{"businessType":1,"code":"1","name":"Test","openType":26}],"channelName":"Test","channelSeq":0,"delayTime":3,"deviceGenre":0,"escFlag":false,"psdFlag":0,"status":5,"validFlag":1}],"accessThirdPartyOpenDoor":"0","alarmInputChnNum":0,"alarmOutputChnNum":0,"cardClearStatus":"0","deviceGenre":0,"deviceIp":"0.0.0.0","deviceModel":"16","deviceName":"Test","devicePort":"5001","loginType":"1","manufacturer":"1"},"businessTimeId":1,"businessTimeName":"........................","communicationMode":"TCP/IP","consumptionRuleId":1,"consumptionRuleName":"........................","devicePort":"5001","id":1,"merchantId":1,"merchantName":"......11111","relatedChannelName":"","status":"......","terminalBindVO":{"channelCode":"1000003$7$0$0","channelName":"255\_......1","useFace":1},"terminalCode":"1111111112","terminalIp":"0.0.0.0","terminalName":"Test","terminalPort":"5001","terminalType":"........."},"errMsg":"success!","success":true}  0 |

### 1.3.11 消费设备查询

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal/bycondition/combined?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pageNum | 页码 | int | 8 | Y |  |
| pageSize | 每页大小 | int | 8 | Y |  |
| status | 设备状态 | string | 4 | N | 在线/离线 |
| terminalCode | 设备编号 | string | 32 | N |  |
| terminalName | 设备名称 | string | 54 | N |  |
| terminalType | 设备类型 | string | 8 | N |  |
| merchantIdsString | 营业单位id | string | 20 | N |  |

**示例:**

|  |
| --- |
| {  "pageNum": 1,  "pageSize": 20  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | array |  |
| errMsg | 错误原因 | string |  |
| currentPage | 当前页 | int |  |
| pageData | 分页数据 | array |  |
| pageSize | 每页条数 | int |  |
| totalPage | 总页数 | int |  |
| totalRows | 总条数 | long |  |

**pageData字段:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| accessControlDevice | 门禁类字段 | object | 查看 01-基础数据接口文档 门禁设备字段详解 |
| terminalName | 设备名称 | string |  |
| terminalCode | 设备编号 | string |  |
| terminalIp | 设备IP | string |  |
| terminalPort | 设备端口 | string |  |
| terminalType | 设备类型 | string |  |
| communicationMode | 通行方式 | string |  |
| status | 设备状态 | string |  |
| merchantId | 设备所属营业单位 | long |  |
| businessTimeId | 营业时段 | string |  |
| consumptionRuleId | 消费规则 | string |  |
| terminalBindVO | 绑定人脸设备信息 | object |  |
| channelCode | 通道编号 | string |  |
| channelName | 通道名称 | string |  |
| useFace | 是否自动人脸授权到设备 | int |  |
| relatedChannelName | 关联人脸识别门禁通道名称 | string |  |
| serviceId | 服务id | string |  |
| orgCode | 所属组织编码 | string |  |
| deviceUser | 用户名 | string |  |
| devicePassword | 密码 | string |  |
| devicePort | 端口 | string |  |
| id | 消费设备id | long |  |

**示例:**

|  |
| --- |
| {  "data": {  "currentPage": 1,  "enableCloudDB": false,  "pageData": [  {  "accessControlDevice": {  "accessChnNum": 1,  "accessControlChannelList": [  {  "cardReaderList": [  {  "businessType": 1,  "code": "1",  "name": "Test1",  "openType": 26  }  ],  "channelName": "Test1",  "channelSeq": 0,  "delayTime": 3,  "deviceGenre": 0,  "psdFlag": 0,  "status": 5,  "validFlag": 1  }  ],  "accessThirdPartyOpenDoor": "0",  "alarmInputChnNum": 0,  "alarmOutputChnNum": 0,  "cardClearStatus": "0",  "deviceGenre": 0,  "deviceIp": "0.0.0.0",  "deviceModel": "16",  "deviceName": "Test1",  "devicePort": "5001",  "loginType": "1",  "manufacturer": "1"  },  "businessTimeId": 1,  "businessTimeName": "系统默认营业时段",  "communicationMode": "TCP/IP",  "consumptionRuleId": 1,  "consumptionRuleName": "系统默认消费规则",  "devicePort": "5001",  "id": 3,  "merchantId": 1,  "merchantName": "营业单位",  "relatedChannelName": "",  "status": "离线",  "terminalBindVO": {  "channelCode": "1000130$7$0$0",  "channelName": "test223222\_通道1",  "useFace": 1  },  "terminalCode": "2111111112",  "terminalIp": "0.0.0.0",  "terminalName": "Test1",  "terminalPort": "5001",  "terminalType": "消费机"  }  ],  "pageSize": 20,  "totalPage": 1,  "totalRows": 1  },  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal/bycondition/combined?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 35  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "pageNum": 1,  "pageSize": 20  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:52:30 GMT  811  {"data":{"currentPage":1,"enableCloudDB":false,"pageData":[{"accessControlDevice":{"accessChnNum":1,"accessControlChannelList":[{"cardReaderList":[{"businessType":1,"code":"1","name":"Test","openType":26}],"channelName":"Test","channelSeq":0,"delayTime":3,"deviceGenre":0,"escFlag":false,"psdFlag":0,"status":5,"validFlag":1}],"accessThirdPartyOpenDoor":"0","alarmInputChnNum":0,"alarmOutputChnNum":0,"cardClearStatus":"0","deviceGenre":0,"deviceIp":"0.0.0.0","deviceModel":"16","deviceName":"Test","devicePort":"5001","loginType":"1","manufacturer":"1"},"businessTimeId":1,"businessTimeName":"........................","communicationMode":"TCP/IP","consumptionRuleId":1,"consumptionRuleName":"........................","devicePort":"5001","id":1,"merchantId":1,"merchantName":"......11111","relatedChannelName":"","status":"......","terminalBindVO":{"channelCode":"1000003$7$0$0","channelName":"255\_......1","useFace":1},"terminalCode":"1111111112","terminalIp":"0.0.0.0","terminalName":"Test","terminalPort":"5001","terminalType":"........."},{"accessControlDevice":{"accessChnNum":1,"accessControlChannelList":[{"cardReaderList":[{"businessType":1,"code":"1","name":"GGGGG","openType":26}],"channelName":"GGGGG","channelSeq":0,"delayTime":3,"deviceGenre":0,"escFlag":false,"psdFlag":0,"status":5,"validFlag":1}],"accessThirdPartyOpenDoor":"0","alarmInputChnNum":0,"alarmOutputChnNum":0,"cardClearStatus":"0","deviceGenre":0,"deviceIp":"0.0.0.0","deviceModel":"16","deviceName":"GGGGG","devicePort":"5001","loginType":"1","manufacturer":"1"},"businessTimeId":1,"businessTimeName":"........................","communicationMode":"TCP/IP","consumptionRuleId":1,"consumptionRuleName":"........................","devicePort":"5001","id":3,"merchantId":1,"merchantName":"......11111","relatedChannelName":"134\_......1","status":"......","terminalBindVO":{},"terminalCode":"1000143$7$0$0","terminalIp":"0.0.0.0","terminalName":"GGGGG","terminalPort":"5001","terminalType":"..............."}],"pageSize":20,"totalPage":1,"totalRows":2},"errMsg":"success!","success":true}  0 |

### 1.3.12获取加密公钥

**接口描述:**

用户密码字段加密

**请求语法(URI):**

GET /CardSolution/rsa/getPubKey?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

--

**示例:**

|  |
| --- |
| http://127.0.0.1:8314/CardSolution/rsa/getPubKey?userId=1&userName=system&token=xx |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | array | 公钥 |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "data": "MIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQCSKh8q/ZdLGIFGFZNTQT6h4aH1bjdmXgYCIT2Its86GIRkhyOkCrBuKSC72bh1IeHNAQmUzGFm5mfVmLxLh8ZVOSGmCNSLjqyeBY2pQStKq1fyn4xed5JkN/No8NZ1Oh1YJ3KHFilyiuoeCdz9rYQP2lqsBit/rIGHVNl0l0Nx0wIDAQAB",  "errMsg": "success",  "success": true  } |

**抓包截图:**

|  |
| --- |
| GET /CardSolution/rsa/getPubKey?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Cache-Control: no-cache  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 01:52:55 GMT  105  {"data":"MIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQCajJOSC8GZ5vEguAXoe6k3BJZJ5fQf3nBmC5oL+SfBtdS7wyM6+UAnvLkpuGUxnbv6ltjhvvLRU0P0Y2F1UA6NSLmpViWvh5qF0b+h9KPLlUO/u9aqd2vc21aHjRMB22Aqkv6aeI/u0FPo3XyZW7DJ0JB+HNsBpfC7OawnGX3eKwIDAQAB","errMsg":"success","success":true}  0 |

## 1.4规则配置

**接口描述:**

接口请求url后拼接的userId和userName及token为1.1.2 鉴权参数获取 接口返回的id,loginName及token

规则配置数据访问端口默认8314,外网情况下需开通相应端口映射

### 1.4.1 添加规则

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/business\_time?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| businessTimeName | 营业时段名称 | string | 64 | Y |  |
| breakfastTimePeroid | 早餐 | string | 64 | Y | 开始时间~结束时间~定额~限次 |
| lunchTimePeroid | 午餐 | string | 64 | Y | 开始时间~结束时间~定额~限次 |
| dinnerTimePeroid | 晚餐 | string | 64 | Y | 开始时间~结束时间~定额~限次 |
| supperTimePeroid | 夜宵 | string |  | Y | 开始时间~结束时间~定额~限次 |

**示例:**

|  |
| --- |
| {  "breakfastTimePeroid": "09:00:00~10:00:59~100 ~2 ",  "businessTimeName": "ceshi",  "dinnerTimePeroid": "18:00:00~19:00:59~100 ~2 ",  "lunchTimePeroid": "12:00:00~13:00:59~200 ~2 ",  "supperTimePeroid": "22:00:00~23:00:59~200 ~2 "  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | long | 规则id |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "data": 3,  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/business\_time?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 251  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "breakfastTimePeroid": "09:00:00~10:00:59~100 ~2 ",  "businessTimeName": "ceshi",  "dinnerTimePeroid": "18:00:00~19:00:59~100 ~2 ",  "lunchTimePeroid": "12:00:00~13:00:59~200 ~2 ",  "supperTimePeroid": "22:00:00~23:00:59~200 ~2 "  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 02:36:41 GMT  2d  {"data":2,"errMsg":"success!","success":true}  0 |

### 1.4.2 修改规则

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/business\_time/update?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| id | 规则id | long | 20 | Y | 新增时返回 |
| businessTimeName | 营业时段名称 | string | 64 | Y |  |
| breakfastTimePeroid | 早餐 | string | 64 | Y | 开始时间~结束时间~定额~限次 |
| lunchTimePeroid | 午餐 | string | 64 | Y | 开始时间~结束时间~定额~限次 |
| dinnerTimePeroid | 晚餐 | string | 64 | Y | 开始时间~结束时间~定额~限次 |
| supperTimePeroid | 夜宵 | string |  | Y | 开始时间~结束时间~定额~限次 |

**示例:**

|  |
| --- |
| {  "breakfastTimePeroid": "09:00:00~10:00:59~100 ~2 ",  "businessTimeName": "ceshi",  "dinnerTimePeroid": "18:00:00~19:00:59~100 ~2 ",  "id": 2,  "lunchTimePeroid": "12:00:00~13:00:59~200 ~2 ",  "supperTimePeroid": "22:00:00~23:00:59~200 ~2 "  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | -- |  |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/business\_time/update?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 264  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "breakfastTimePeroid": "09:00:00~10:00:59~100 ~2 ",  "businessTimeName": "ceshi",  "dinnerTimePeroid": "18:00:00~19:00:59~100 ~2 ",  "id": 2,  "lunchTimePeroid": "12:00:00~13:00:59~200 ~2 ",  "supperTimePeroid": "22:00:00~23:00:59~200 ~2 "  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 02:37:00 GMT  24  {"errMsg":"success!","success":true}  0 |

### 1.4.3 删除规则

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/business\_time/delete?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| businessTimeIds | 规则id数组 | array | -- | Y |  |

**示例:**

|  |
| --- |
| {  "businessTimeIds": [  7,  8,  9,  10  ]  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | -- |  |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/business\_time/delete?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 46  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "businessTimeIds": [  2  ]  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 02:37:54 GMT  24  {"errMsg":"success!","success":true}  0 |

### 1.4.4 规则查询

**接口描述:**

--

**请求语法(URI):**

GET /CardSolution/card/consumption/business\_time?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

无

**示例:**

|  |
| --- |
| http://127.0.0.1:8314/ CardSolution/card/consumption/business\_time?userId=xx&userName=xx&token=xx |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | array |  |
| errMsg | 错误原因 | string |  |
| id | 规则id | long |  |
| businessTimeName | 营业时段名称 | string |  |
| breakfastTimePeroid | 早餐 | string |  |
| lunchTimePeroid | 午餐 | string |  |
| dinnerTimePeroid | 晚餐 | string |  |
| supperTimePeroid | 夜宵 | string |  |

**示例:**

|  |
| --- |
| {  "data": [  {  "breakfastTimePeroid": "05:00:00~10:59:59",  "businessTimeName": "系统默认营业时段",  "createBy": "admin",  "default": true,  "dinnerTimePeroid": "17:00:00~19:59:59",  "id": 1,  "lunchTimePeroid": "11:00:00~16:59:59",  "supperTimePeroid": "20:00:00~23:59:59"  },  {  "breakfastCost": 100.0,  "breakfastCount": 2,  "breakfastTimePeroid": "09:00:00~10:00:59~100 ~2 ",  "businessTimeName": "ceshi",  "default": false,  "dinnerCost": 100.0,  "dinnerCount": 2,  "dinnerTimePeroid": "18:00:00~19:00:59~100 ~2 ",  "id": 2,  "lunchCost": 200.0,  "lunchCount": 2,  "lunchTimePeroid": "12:00:00~13:00:59~200 ~2 ",  "supperCost": 200.0,  "supperCount": 2,  "supperTimePeroid": "22:00:00~23:00:59~200 ~2 "  }  ],  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| GET /CardSolution/card/consumption/business\_time?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Cache-Control: no-cache  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 02:37:21 GMT  2a6  {"data":[{"breakfastTimePeroid":"05:00:00~10:59:59","businessTimeName":"........................","createBy":"admin","default":true,"dinnerTimePeroid":"17:00:00~19:59:59","id":1,"lunchTimePeroid":"11:00:00~16:59:59","supperTimePeroid":"20:00:00~23:59:59"},{"breakfastCost":100.0,"breakfastCount":2,"breakfastTimePeroid":"09:00:00~10:00:59~100 ~2 ","businessTimeName":"ceshi","default":false,"dinnerCost":100.0,"dinnerCount":2,"dinnerTimePeroid":"18:00:00~19:00:59~100 ~2 ","id":2,"lunchCost":200.0,"lunchCount":2,"lunchTimePeroid":"12:00:00~13:00:59~200 ~2 ","supperCost":200.0,"supperCount":2,"supperTimePeroid":"22:00:00~23:00:59~200 ~2 "}],"errMsg":"success!","success":true}  0 |

## 1.5消费授权

**接口描述:**

接口请求url后拼接的userId和userName及token为1.1.2 鉴权参数获取 接口返回的id,loginName及token

消费授权数据访问端口默认8314,外网情况下需开通相应端口映射

### 1.5.1 消费授权

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal/authorization/update?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| cardNumber | 卡号 | string | 64 | Y |  |
| terminalIds | 消费设备id数组 | string[] | -- | Y |  |

**示例:**

|  |
| --- |
| {  "cardNumber": "10000002",  "terminalIds": [  "3",  "6"  ]  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | -- | -- |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal/authorization/update?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 75  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "cardNumber": "B68DEBF7",  "terminalIds": [  "3"  ]  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 02:39:51 GMT  24  {"errMsg":"success!","success":true}  0 |

### 1.5.2 批量消费授权

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal/authorization?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| cardNumbers | 卡号数组 | String[] | - | Y |  |
| terminalIds | 消费设备id数组 | String[] | -- | Y |  |

**示例:**

|  |
| --- |
| {  "cardNumbers": [  "10000003"  ],  "terminalIds": [  "3"  ]  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | -- | -- |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal/authorization?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 133  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "cardNumbers": [  "AB123456",  "ACA8DC66",  "F7FC6102"  ],  "terminalIds": [  "3"  ]  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 02:41:13 GMT  24  {"errMsg":"success!","success":true}  0 |

### 1.5.3 删除消费授权

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal/authorization/delete?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| cardNumbers | 卡号数组 | String[] | -- | Y |  |

**示例:**

|  |
| --- |
| {  "cardNumbers": [  "10000003"  ]  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | -- | -- |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal/authorization/delete?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 53  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "cardNumbers": [  "F7FC6102"  ]  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 02:42:04 GMT  24  {"errMsg":"success!","success":true}  0 |

### 1.5.4查询人员卡号消费列表

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/terminal/card/authorizable?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pageNum | 页码 | int | 8 | Y |  |
| pageSize | 每页大小 | int | 8 | Y |  |
| cardNumber | 卡号 | string | 64 | N |  |
| isAuthorized | 是否授权 | string | 4 | N | YES:是  NO:否 |
| isSued | 是否下发 | string | 4 | N | YES:是  NO:否 |
| personName | 人员姓名 | string | 64 | N |  |

**示例:**

|  |
| --- |
| {  "pageNum": 1,  "pageSize": 20  } |

**返回结果:**

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | array |  |
| errMsg | 错误原因 | string |  |
| currentPage | 当前页 | int |  |
| pageData | 分页数据 | array |  |
| pageSize | 每页条数 | int |  |
| totalPage | 总页数 | int |  |
| totalRows | 总条数 | long |  |

**pageData字段:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| personId | 人员id | long |  |
| personName | 人员姓名 | string |  |
| id | 卡片id | long |  |
| cardNumber | 卡号 | string |  |
| cardType | 卡类型 | string |  |
| category | 卡类别 | string |  |
| cardStatus | 卡状态 | string |  |
| startDate | 开始日期 | string |  |
| endDate | 结束日期 | string |  |
| cardPassword | 卡密码 | string |  |
| subSystems | 卡应用 | string |  |
| cardSubsidy | 补贴金额 | double |  |
| cardCash | 现金金额 | double |  |
| cardDeposit | 保证金额 | double |  |
| cardCash | 现金金额 | double |  |
| cardCost | 工本费 | double |  |
| isAuthorized | 是否授权 | string |  |
| isSued | 是否下发 | string |  |
| deptId | 部门id | string |  |
| deptName | 部门名称 | string |  |
| personCode | 人员编号 | string |  |

**示例:**

|  |
| --- |
| {  "data": {  "currentPage": 1,  "enableCloudDB": false,  "pageData": [  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000002",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 9122,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000002",  "personId": 2,  "personName": "10000002",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000003",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 7192,  "isAuthorized": "YES",  "isSued": "NO",  "personCode": "10000003",  "personId": 3,  "personName": "10000003",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000004",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 2738,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000004",  "personId": 4,  "personName": "10000004",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000005",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 845,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000005",  "personId": 5,  "personName": "10000005",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000006",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 1449,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000006",  "personId": 6,  "personName": "10000006",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000007",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 9488,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000007",  "personId": 7,  "personName": "10000007",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000008",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 5013,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000008",  "personId": 8,  "personName": "10000008",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000009",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 6848,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000009",  "personId": 9,  "personName": "10000009",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000010",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 6892,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000010",  "personId": 10,  "personName": "10000010",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000011",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 3809,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000011",  "personId": 11,  "personName": "10000011",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000012",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 781,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000012",  "personId": 12,  "personName": "10000012",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000013",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 7712,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000013",  "personId": 13,  "personName": "10000013",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000014",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 9656,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000014",  "personId": 14,  "personName": "10000014",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000015",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 6566,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000015",  "personId": 15,  "personName": "10000015",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000016",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 3480,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000016",  "personId": 16,  "personName": "10000016",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000017",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 451,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000017",  "personId": 17,  "personName": "10000017",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000018",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 2356,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000018",  "personId": 18,  "personName": "10000018",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000019",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 9302,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000019",  "personId": 19,  "personName": "10000019",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000020",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 9334,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000020",  "personId": 20,  "personName": "10000020",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  },  {  "availableTimes": 255,  "cardCash": 0.0,  "cardCost": 0.0,  "cardDeposit": 0.0,  "cardNumber": "10000021",  "cardPassword": "123456",  "cardStatus": "激活",  "cardSubsidy": 0.0,  "cardType": "普通卡",  "deptId": 2,  "deptName": "郭晶晶1w人员",  "endDate": 1890489600000,  "id": 5001,  "isAuthorized": "NO",  "isSued": "YES",  "personCode": "10000021",  "personId": 21,  "personName": "10000021",  "startDate": 1574870400000,  "strEndDate": "2029-11-28",  "strStartDate": "2019-11-28",  "subSystems": "1,3,4,5,6,7"  }  ],  "pageSize": 20,  "totalPage": 1502,  "totalRows": 30021  },  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/terminal/card/authorizable?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 39  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "pageNum": 1,  "pageSize": 20  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 02:42:28 GMT  7d7  {"data":{"currentPage":1,"enableCloudDB":false,"pageData":[{"availableTimes":0,"cardCash":0.0,"cardCost":0.0,"cardDeposit":0.0,"cardNumber":"AB123456","cardPassword":"123456","cardStatus":"......","cardSubsidy":0.0,"cardType":".........","deptId":1,"deptName":".........","endDate":1901894400000,"id":1,"isAuthorized":"YES","isSued":"NO","personCode":"123456","personId":1,"personName":"test","serialNumber":"0001","startDate":1586361600000,"strEndDate":"2030-04-09","strStartDate":"2020-04-09","subSystems":"1,3,4,5,6,7"},{"availableTimes":0,"cardCash":0.0,"cardCost":0.0,"cardDeposit":0.0,"cardNumber":"ACA8DC66","cardPassword":"123456","cardStatus":"......","cardSubsidy":0.0,"cardType":".........","deptId":1,"deptName":".........","endDate":1901894400000,"id":2,"isAuthorized":"YES","isSued":"NO","personCode":"11223344","personId":4,"personName":"test1","serialNumber":"0002","startDate":1586361600000,"strEndDate":"2030-04-09","strStartDate":"2020-04-09","subSystems":"1,3,4,5,6,7"},{"availableTimes":0,"cardCash":0.0,"cardCost":0.0,"cardDeposit":0.0,"cardNumber":"B68DEBF7","cardPassword":"123456","cardStatus":"......","cardSubsidy":0.0,"cardType":".........","deptId":1,"deptName":".........","endDate":1901980800000,"id":3,"isAuthorized":"YES","isSued":"NO","personCode":"1874441","personId":5,"personName":"lujia111","serialNumber":"0003","startDate":1573401600000,"strEndDate":"2030-04-10","strStartDate":"2019-11-11","subSystems":"1,3,4,5,6,7"},{"availableTimes":0,"cardCash":0.0,"cardCost":0.0,"cardDeposit":0.0,"cardNumber":"F7FC6102","cardPassword":"123456","cardStatus":"......","cardSubsidy":0.0,"cardType":".........","deptId":1,"deptName":".........","endDate":1589040000000,"id":6,"isAuthorized":"NO","isSued":"YES","personCode":"556677","personId":6,"personName":".........","serialNumber":"0006","startDate":1586448000000,"strEndDate":"2020-05-10","strStartDate":"2020-04-10","subSystems":"1,3,4,5,6,7"}],"pageSize":20,"totalPage":1,"totalRows":4},"errMsg":"success!","success":true}  0 |

## 1.6充值管理

**接口描述:**

接口请求url后拼接的userId和userName及token为1.1.2 鉴权参数获取 接口返回的id,loginName及token

充值管理数据访问端口默认8314,外网情况下需开通相应端口映射

### 1.6.1 充值

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/card/recharge?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| cardNumber | 卡号 | string | 64 | Y |  |
| cardCashToRecharge | 充值金额 | double | 10,2 | Y |  |
| personId | 人员id | long | 20 | Y |  |
| personName | 人员姓名 | string | 64 | Y |  |
| deptId | 部门id | long | 20 | Y |  |
| deptName | 部门名称 | string | 64 | Y |  |
| description | 描述 | string | 128 | Y |  |
| eventType | 充值原因 | string | 16 | Y | 开户充值  现金充值  多扣补款  其他充值 |

**示例:**

|  |
| --- |
| {  "cardCashToRecharge": 50,  "cardNumber": "8AE7B736",  "deptId": 15,  "deptName": "face",  "description": "开户充值",  "eventType": "开户充值",  "personId": 30015,  "personName": "998"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | double | 当前余额 |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {"data":50.0,"errMsg":"success!","success":true} |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/card/recharge?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 230  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "cardCashToRecharge": 50,  "cardNumber": "B68DEBF7",  "deptId": 1,  "deptName": ".........",  "description": "............",  "eventType": "............",  "personId": 5,  "personName": "lujia111"  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 02:44:28 GMT  30  {"data":50.0,"errMsg":"success!","success":true}  0 |

### 1.6.2 退款

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/card/refund?userId=xx&userName=xx&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| cardNumber | 卡号 | string | 64 | Y |  |
| cardCashToRefund | 退款金额 | double | 10,2 | Y |  |
| personId | 人员id | long | 20 | Y |  |
| personName | 人员姓名 | string | 64 | Y |  |
| deptId | 部门id | long | 20 | Y |  |
| deptName | 部门名称 | string | 64 | Y |  |
| description | 退款原因 | string | 128 | Y | 离职退款  现金退款  少扣退款  其他退款 |

**示例:**

|  |
| --- |
| {  "cardCashToRefund": 20,  "cardNumber": "8AE7B736",  "deptId": 15,  "deptName": "face",  "description": "离职退款",  "personId": 30015,  "personName": "998"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | double | 当前余额 |
| errMsg | 错误原因 | string |  |

**示例:**

|  |
| --- |
| {"data":50.0,"errMsg":"success!","success":true} |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/card/refund?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 193  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "cardCashToRefund": 20,  "cardNumber": "B68DEBF7",  "deptId": 1,  "deptName": ".........",  "description": "............",  "personId": 5,  "personName": "lujia111"  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 02:45:51 GMT  30  {"data":30.0,"errMsg":"success!","success":true}  0 |

## 1.7记录查询

**接口描述:**

接口请求url后拼接的userId和userName及token为1.1.2 鉴权参数获取 接口返回的id,loginName及token

记录查询数据访问端口默认8314,外网情况下需开通相应端口映射

### 1.7.1消费记录查询

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/card\_consumption\_record/bycondition/combined?userId=1&userName=system&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pageNum | 页码 | int | 8 | Y |  |
| pageSize | 每页大小 | int | 8 | Y |  |
| sortOrder | 排序字段 | string | -- | N | CREATE\_TIME |
| sortBy | 排序 | string | -- | N | ASC/升序; DESC/降序 |
| startTime | 起始时间 | string | -- | N |  |
| endTime | 结束时间 | string | -- | N |  |
| cardNumber | 卡号 | string | 30 | N |  |
| personName | 人员姓名 | string | 64 | N |  |
| deptIdsString | 部门id | string | -- | N | 以逗号分隔 |
| consumptionType | 消费类型 | string | 20 | N | INVALID 无效交易  BACK 消费冲正  NORMAL 普通消费  CANCEL 消费撤销  FACE 人脸消费  OTHER 其他 |

**示例:**

|  |
| --- |
| {  "cardNumber": "54655656",  "consumptionType": "INVALID",  "endTime": "2017-03-13+23:59:59",  "pageNum": 1,  "pageSize": 20,  "personName": "3545",  "sortBy": "CREATE\_TIME",  "sortOrder": "DESC",  "startTime": "2017-03-13+00:00:00",  "terminalId": 1  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | array |  |
| errMsg | 错误原因 | string |  |
| currentPage | 当前页 | int |  |
| pageData | 分页数据 | array |  |
| pageSize | 每页条数 | int |  |
| totalPage | 总页数 | int |  |
| totalRows | 总条数 | long |  |

**pageData字段:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| serialNum | 流水号 | string |  |
| cardNumber | 卡号 | string |  |
| occurTime | 消费发生时间 | string | yyyy-MM-dd HH:mm:ss |
| consumptionType | 消费类型 | string | INVALID/无效交易;BACK/消费冲正;NORMAL/普通消费;CANCEL/消费撤销;OTHER/其他 |
| personName | 人员姓名 | string |  |
| deptName | 部门名称 | string |  |
| previousBalance | 消费前金额 | double |  |
| cash | 消费金额 | double |  |
| balance | 消费后金额 | double |  |
| timePeriod | 餐类 | string |  |
| createTime | 设备上报时间 | string | yyyy-MM-dd HH:mm:ss |
| terminalName | 设备名称 | string |  |

**示例:**

|  |
| --- |
| {  "data": {  "currentPage": 1,  "pageData": [  {  "balance": 27,  "cardNumber": "34343445",  "cash": 5,  "consumptionType": "消费冲正",  "createTime": "2017-03-13 23:59:55",  "deptName": "人力",  "occurTime": "2017-03-13 23:59:59",  "personName": "ddf",  "previousBalance": 32,  "serialNum": "223",  "terminalName": "消费机1",  "timePeriod": "午餐"  }  ],  "pageSize": 20,  "totalPage": 1,  "totalRows": 1  },  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/card\_consumption\_record/bycondition/combined?systime=1586572380161 HTTP/1.1  Host: 10.35.120.145:443  X-Forwarded-Scheme: https  X-Real-IP: 10.33.65.37  X-Forwarded-For: 10.33.65.37  Content-Length: 135  Accept: application/json, text/javascript, \*/\*; q=0.01  Origin: https://10.35.120.145  X-Requested-With: XMLHttpRequest  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Referer: https://10.35.120.145/CardSolution/card/consumption/page/consumption\_index\_new?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001  Accept-Encoding: gzip, deflate, br  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {"pageNum":1,"pageSize":20,"sortBy":"CREATE\_TIME","sortOrder":"DESC","startTime":"2020-04-11 00:00:00","endTime":"2020-04-11 23:59:59"}  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 02:47:00 GMT  8b  {"data":{"currentPage":1,"enableCloudDB":false,"pageData":[],"pageSize":20,"totalPage":0,"totalRows":0},"errMsg":"success!","success":true}  0 |

### 1.7.2充值记录查询

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/card\_cash\_record/bycondition/combined?userId=1&userName=system&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pageNum | 页码 | int | 8 | Y |  |
| pageSize | 每页大小 | int | 8 | Y |  |
| sortOrder | 排序字段 | string | -- | N | CREATE\_TIME |
| sortBy | 排序 | string | -- | N | ASC/升序; DESC/降序 |
| startTime | 起始时间 | string | -- | N |  |
| endTime | 结束时间 | string | -- | N |  |
| cardNumber | 卡号 | string | 30 | N |  |
| personName | 人员姓名 | string | 64 | N |  |
| deptIdsString | 部门id | string | -- | N | 以逗号分隔 |
| eventType | 操作类型 | string | 20 | N |  |

**示例:**

|  |
| --- |
| {  "pageNum":1,  "pageSize": 20,  "sortBy": "CREATE\_TIME",  "sortOrder": "DESC",  "startTime": "2017-03-13 00:00:00",  "endTime": "2017-03-13 23:59:59",  "cardNumber": "54655656",  "personName": "3545",  "eventType": "CASH",  "deptIdsString":"1,2,3"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | array |  |
| errMsg | 错误原因 | string |  |
| currentPage | 当前页 | int |  |
| pageData | 分页数据 | array |  |
| pageSize | 每页条数 | int |  |
| totalPage | 总页数 | int |  |
| totalRows | 总条数 | long |  |

**pageData字段:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| balance | 余额 | double |  |
| cardNumber | 卡号 | string |  |
| cash | 充值金额 | double |  |
| cashType | 交易类型 | string | CASH/现金;  SUBSIDY/补贴;  MACHINE/充值机 |
| createBy | 操作人 | string |  |
| createTime | 操作时间 | string | yyyy-MM-dd HH:mm:ss |
| deptId | 部门id | string |  |
| deptName | 部门名称 | string |  |
| description | 备注 | string |  |
| eventType | 事件类型 | string | CASH\_RECHARGE/现金充值;  CASH\_REFUND/现金退款;  SUBSIDY\_RECHARGE/补贴充值;  SUBSIDY\_REFUND/补贴退款;  KAIHU\_RECHARGE/开户充值;  MACHINE\_RECHARGE/充值机充值;  DUOKOU\_RECHAGE/多扣补款;  DEMISSION\_REFUE/离职退款;  LESS\_DEDUCT\_REFUE/少扣退款;  OTHER\_RECHAGE/其他充值;  OTHER\_REFUE/其他退款 |
| id | 主键 | long |  |
| personId | 人员id | long |  |
| personName | 人员姓名 | string |  |
| preBanlance | 操作前金额 | double |  |

**示例:**

|  |
| --- |
| {  "data": {  "currentPage": 1,  "pageData": [{  "balance": 33,  "cardNumber": "54545454",  "cash": -12,  "cashType": "现金",  "createBy": "system",  "createTime": "2017-03-13 19:28:57",  "deptId": 1,  "deptName": "根节点",  "description": "系统退款",  "eventType": "现金退款",  "id": 3,  "personId": 2,  "personName": "2343",  "preBanlance": 45  },{  "balance": 23,  "cardNumber": "54545454",  "cash": 23,  "cashType": "现金",  "createBy": "system",  "createTime": "2017-03-13 19:03:56",  "deptId": 1,  "deptName": "根节点",  "description": "系统充值",  "eventType": "现金充值",  "id": 1,  "personId": 2,  "personName": "2343",  "preBanlance": 0  }],  "pageSize": 20,  "totalPage": 1,  "totalRows": 2  },  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/card\_cash\_record/bycondition/combined?userId=1&userName=system&token=cfa19e0e91a5839b54a706ed4a5bf4bd&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 239  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=FD65547F0E37F1823BA5C5E4CD9D1774; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "pageNum":1,  "pageSize": 20,  "sortBy": "CREATE\_TIME",  "sortOrder": "DESC",  "startTime": "2019-03-13 00:00:00",  "endTime": "2020-04-23 23:59:59",  "cardNumber": "B68DEBF7",  "personName": "lujia111",  "deptIdsString":"1,2,3"  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 02:50:05 GMT  466  {"data":{"currentPage":1,"enableCloudDB":false,"pageData":[{"balance":10.0,"cardCashToRecharge":0.0,"cardCashToRefund":0.0,"cardNumber":"B68DEBF7","cash":-20.0,"cashType":"......","createBy":"system","createTime":"2020-04-11 10:45:53","deptId":1,"deptName":".........","description":"............","eventType":"............","id":3,"personId":5,"personName":"lujia111","preBanlance":30.0},{"balance":30.0,"cardCashToRecharge":0.0,"cardCashToRefund":0.0,"cardNumber":"B68DEBF7","cash":-20.0,"cashType":"......","createBy":"system","createTime":"2020-04-11 10:45:52","deptId":1,"deptName":".........","description":"............","eventType":"............","id":2,"personId":5,"personName":"lujia111","preBanlance":50.0},{"balance":50.0,"cardCashToRecharge":0.0,"cardCashToRefund":0.0,"cardNumber":"B68DEBF7","cash":50.0,"cashType":"......","createBy":"system","createTime":"2020-04-11 10:44:29","deptId":1,"deptName":".........","description":"............","eventType":"............","id":1,"personId":5,"personName":"lujia111","preBanlance":0.0}],"pageSize":20,"totalPage":1,"totalRows":3},"errMsg":"success!","success":true}  0 |

## 1.8报表统计

**接口描述:**

接口请求url后拼接的userId和userName及token为1.1.2 鉴权参数获取 接口返回的id,loginName及token

报表统计数据访问端口默认8314,外网情况下需开通相应端口映射

### 1.8.1营业收入查询

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/statistical\_report/merchant?userId=1&userName=system&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pageNum | 页码 | int | 8 | Y |  |
| pageSize | 每页大小 | int | 8 | Y |  |
| startDate | 开始时间 | string | -- | N | yyyy-MM-dd |
| endDate | 结束时间 | string | -- | N | yyyy-MM-dd |
| merchantIdsString | 营业单位id | string | -- | N | 以逗号分隔 |

**示例:**

|  |
| --- |
| {  "endDate": "2019-12-05",  "merchantIdsString": "1",  "pageNum": 1,  "pageSize": 20,  "startDate": "2019-12-05"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | array |  |
| errMsg | 错误原因 | string |  |
| currentPage | 当前页 | int |  |
| pageData | 分页数据 | array |  |
| pageSize | 每页条数 | int |  |
| totalPage | 总页数 | int |  |
| totalRows | 总条数 | long |  |

**pageData字段:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| breakfastAmount | 早餐 | double |  |
| consumptionTimes | 消费次数 | long |  |
| dinnerAmount | 晚餐 | double |  |
| lunchAmount | 午餐 | double |  |
| merchantId | -- | long |  |
| reportDate | 日期 | string |  |
| supperAmount | 夜宵 | double |  |
| terminalId | 消费机id | long |  |
| terminalName | 消费机 | string |  |
| totalAmount | 总营业额 | double |  |

**示例:**

|  |
| --- |
| {  "data": [  {  "breakfastAmount": 0,  "consumptionTimes": 177,  "dinnerAmount": -645,  "lunchAmount": -804,  "merchantId": 0,  "reportDate": "",  "supperAmount": -656,  "terminalId": 139,  "terminalName": "富阳二楼2",  "totalAmount": -2105  },  {  "breakfastAmount": -1240.5,  "consumptionTimes": 557,  "dinnerAmount": -1502,  "lunchAmount": -2357,  "merchantId": 0,  "reportDate": "",  "supperAmount": 0,  "terminalId": 146,  "terminalName": "富阳二楼3",  "totalAmount": -5099.5  },  {  "breakfastAmount": 0,  "consumptionTimes": 185,  "dinnerAmount": -5,  "lunchAmount": -2376,  "merchantId": 0,  "reportDate": "",  "supperAmount": 0,  "terminalId": 147,  "terminalName": "富阳二楼4",  "totalAmount": -2381  },  {  "breakfastAmount": -3590.5,  "consumptionTimes": 1391,  "dinnerAmount": -2470,  "lunchAmount": -4534.5,  "merchantId": 0,  "reportDate": "",  "supperAmount": -1882,  "terminalId": 148,  "terminalName": "富阳二楼5",  "totalAmount": -12477  },  {  "breakfastAmount": 0,  "consumptionTimes": 290,  "dinnerAmount": -999,  "lunchAmount": -1649,  "merchantId": 0,  "reportDate": "",  "supperAmount": -1268,  "terminalId": 151,  "terminalName": "富阳二楼6",  "totalAmount": -3916  },  {  "breakfastAmount": -1569,  "consumptionTimes": 513,  "dinnerAmount": -826,  "lunchAmount": -717,  "merchantId": 0,  "reportDate": "",  "supperAmount": 0,  "terminalId": 154,  "terminalName": "富阳二楼9",  "totalAmount": -3112  },  {  "breakfastAmount": -713,  "consumptionTimes": 471,  "dinnerAmount": -898,  "lunchAmount": -2923,  "merchantId": 0,  "reportDate": "",  "supperAmount": -617,  "terminalId": 155,  "terminalName": "富阳二楼10",  "totalAmount": -5151  },  {  "breakfastAmount": 0,  "consumptionTimes": 279,  "dinnerAmount": -1717,  "lunchAmount": -2383,  "merchantId": 0,  "reportDate": "",  "supperAmount": 0,  "terminalId": 156,  "terminalName": "富阳二楼11",  "totalAmount": -4100  },  {  "breakfastAmount": 0,  "consumptionTimes": 129,  "dinnerAmount": -661,  "lunchAmount": -951,  "merchantId": 0,  "reportDate": "",  "supperAmount": 0,  "terminalId": 177,  "terminalName": "富阳二楼12",  "totalAmount": -1612  },  {  "breakfastAmount": 0,  "consumptionTimes": 2,  "dinnerAmount": -20,  "lunchAmount": 0,  "merchantId": 0,  "reportDate": "",  "supperAmount": -20,  "terminalId": 218,  "terminalName": "园区理发便利服务点",  "totalAmount": -40  },  {  "breakfastAmount": -764.5,  "consumptionTimes": 766,  "dinnerAmount": -2434,  "lunchAmount": -3816,  "merchantId": 0,  "reportDate": "",  "supperAmount": -476,  "terminalId": 226,  "terminalName": "富阳二楼13",  "totalAmount": -7490.5  },  {  "breakfastAmount": -7877.5,  "consumptionTimes": 4760,  "dinnerAmount": -12177,  "lunchAmount": -22510.5,  "merchantId": 0,  "reportDate": "",  "supperAmount": -4919,  "terminalId": 0,  "totalAmount": -47484  }  ],  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/statistical\_report/merchant?userId=1&userName=system&token=3d9d0b18c6933de644ef94736834c9be&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 131  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=60684CC1344FC57D7FA3750B1D72A03E; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "endDate": "2020-04-12",  "merchantIdsString": "1",  "pageNum": 1,  "pageSize": 20,  "startDate": "2020-04-11"  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 18:13:27 GMT  1bc  {"data":[{"breakfastAmount":0.0,"consumptionTimes":6,"dinnerAmount":0.0,"lunchAmount":-835.0,"merchantId":0,"otherAmount":0.0,"reportDate":"","supperAmount":0.0,"terminalId":4,"terminalName":"123","totalAmount":-835.0},{"breakfastAmount":0.0,"consumptionTimes":6,"dinnerAmount":0.0,"lunchAmount":-835.0,"merchantId":0,"otherAmount":0.0,"reportDate":"","supperAmount":0.0,"terminalId":0,"totalAmount":-835.0}],"errMsg":"success!","success":true}  0 |

### 1.8.2人员消费

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/statistical\_report/person/consumption?userId=1&userName=system&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pageNum | 页码 | int | 8 | Y |  |
| pageSize | 每页大小 | int | 8 | Y |  |
| startDate | 开始时间 | string | -- | N | yyyy-MM-dd |
| endDate | 结束时间 | string | -- | N | yyyy-MM-dd |
| deptIdsString | 部门id | string | -- | N | 以逗号分隔 |
| personName | 人员姓名 | string | 64 | N |  |
| personCode | 人员工号 | string | 32 | N |  |

**示例:**

|  |
| --- |
| {  "endDate": "2019-12-05",  "pageNum": 1,  "pageSize": 20,  "startDate": "2019-12-05"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | array |  |
| errMsg | 错误原因 | string |  |
| currentPage | 当前页 | int |  |
| pageData | 分页数据 | array |  |
| pageSize | 每页条数 | int |  |
| totalPage | 总页数 | int |  |
| totalRows | 总条数 | long |  |

**pageData字段:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| cardNumber | 卡号 | string |  |
| consumptionAmount | 消费金额 | double |  |
| consumptionTimes | 消费次数 | long |  |
| deptId | 部门id | long |  |
| personCode | 人员编号 | string |  |
| personId | 人员id | long |  |
| personName | 人员姓名 | string |  |
| reportDate | 统计日期 | string |  |

**示例:**

|  |
| --- |
| {  "data": {  "currentPage": 1,  "pageData": [  {  "cardNumber": "5C21D866",  "consumptionAmount": -2,  "consumptionTimes": 1,  "deptId": 0,  "personCode": "000369",  "personId": 1,  "personName": "谢学权",  "reportDate": ""  },  {  "cardNumber": "D0CF9B02",  "consumptionAmount": -3,  "consumptionTimes": 1,  "deptId": 0,  "personCode": "000542",  "personId": 23,  "personName": "刘大坤",  "reportDate": ""  },  {  "cardNumber": "0DF99261",  "consumptionAmount": -51.8,  "consumptionTimes": 3,  "deptId": 0,  "personCode": "000543",  "personId": 24,  "personName": "王炳炎",  "reportDate": ""  },  {  "cardNumber": "97113F96",  "consumptionAmount": -22,  "consumptionTimes": 5,  "deptId": 0,  "personCode": "000670",  "personId": 59,  "personName": "许家骏",  "reportDate": ""  },  {  "cardNumber": "E7BA4696",  "consumptionAmount": -10,  "consumptionTimes": 1,  "deptId": 0,  "personCode": "000671",  "personId": 60,  "personName": "高志炯",  "reportDate": ""  },  {  "cardNumber": "CAE7070A",  "consumptionAmount": -98.5,  "consumptionTimes": 2,  "deptId": 0,  "personCode": "000840",  "personId": 69,  "personName": "吴朝斌",  "reportDate": ""  },  {  "cardNumber": "00A361DA",  "consumptionAmount": -24.02,  "consumptionTimes": 5,  "deptId": 0,  "personCode": "000926",  "personId": 93,  "personName": "曾芳芳",  "reportDate": ""  },  {  "cardNumber": "BE0504E1",  "consumptionAmount": -19.8,  "consumptionTimes": 4,  "deptId": 0,  "personCode": "01065",  "personId": 176,  "personName": "孙松",  "reportDate": ""  },  {  "cardNumber": "9722983F",  "consumptionAmount": -100,  "consumptionTimes": 1,  "deptId": 0,  "personCode": "01081",  "personId": 190,  "personName": "于皖熙",  "reportDate": ""  },  {  "cardNumber": "7B289774",  "consumptionAmount": -4.5,  "consumptionTimes": 1,  "deptId": 0,  "personCode": "100002",  "personId": 193,  "personName": "李飞",  "reportDate": ""  },  {  "cardNumber": "1B2AA465",  "consumptionAmount": -17,  "consumptionTimes": 1,  "deptId": 0,  "personCode": "10001",  "personId": 194,  "personName": "傅利泉",  "reportDate": ""  },  {  "cardNumber": "A43D6910",  "consumptionAmount": -12.5,  "consumptionTimes": 2,  "deptId": 0,  "personCode": "10006",  "personId": 199,  "personName": "张燕燕",  "reportDate": ""  },  {  "cardNumber": "74000B0F",  "consumptionAmount": -15,  "consumptionTimes": 1,  "deptId": 0,  "personCode": "10008",  "personId": 200,  "personName": "吴福胜",  "reportDate": ""  },  {  "cardNumber": "C447090F",  "consumptionAmount": -14,  "consumptionTimes": 1,  "deptId": 0,  "personCode": "10015",  "personId": 204,  "personName": "吴军",  "reportDate": ""  },  {  "cardNumber": "ED4D5A70",  "consumptionAmount": -4.53,  "consumptionTimes": 4,  "deptId": 0,  "personCode": "10021",  "personId": 208,  "personName": "龙卫平",  "reportDate": ""  },  {  "cardNumber": "2D0F55BE",  "consumptionAmount": -28.32,  "consumptionTimes": 6,  "deptId": 0,  "personCode": "10023",  "personId": 209,  "personName": "徐红霞",  "reportDate": ""  },  {  "cardNumber": "FCC8C8AF",  "consumptionAmount": -229.01,  "consumptionTimes": 5,  "deptId": 0,  "personCode": "10026",  "personId": 211,  "personName": "徐伟",  "reportDate": ""  },  {  "cardNumber": "AC5EF345",  "consumptionAmount": -12,  "consumptionTimes": 1,  "deptId": 0,  "personCode": "10027",  "personId": 212,  "personName": "叶卫青",  "reportDate": ""  },  {  "cardNumber": "AD2F53BE",  "consumptionAmount": -15,  "consumptionTimes": 2,  "deptId": 0,  "personCode": "10029",  "personId": 213,  "personName": "吴福祥",  "reportDate": ""  },  {  "cardNumber": "5C6B6108",  "consumptionAmount": -22.02,  "consumptionTimes": 6,  "deptId": 0,  "personCode": "10036",  "personId": 216,  "personName": "胡昭丽",  "reportDate": ""  },  {  "consumptionAmount": -705,  "consumptionTimes": 53,  "deptId": 0,  "personId": 0,  "reportDate": ""  }  ],  "pageSize": 20,  "totalPage": 597,  "totalRows": 11931  },  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/statistical\_report/person/consumption?userId=1&userName=system&token=3d9d0b18c6933de644ef94736834c9be&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 131  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=60684CC1344FC57D7FA3750B1D72A03E; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "endDate": "2020-04-12",  "merchantIdsString": "1",  "pageNum": 1,  "pageSize": 20,  "startDate": "2020-04-11"  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 18:13:06 GMT  21f  {"data":{"currentPage":1,"enableCloudDB":false,"pageData":[{"cardNumber":"7EF60456","consumptionAmount":-135.0,"consumptionTimes":5,"deptId":0,"personCode":"123456","personId":1,"personName":"test","reportDate":""},{"cardNumber":"ACA8DC66","consumptionAmount":-700.0,"consumptionTimes":1,"deptId":0,"personCode":"11223344","personId":4,"personName":"test1","reportDate":""},{"consumptionAmount":-835.0,"consumptionTimes":6,"deptId":0,"personId":0,"reportDate":""}],"pageSize":20,"totalPage":1,"totalRows":2},"errMsg":"success!","success":true}  0 |

### 1.8.3现金交易

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/statistical\_report/person/cash?userId=1&userName=system&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pageNum | 页码 | int | 8 | Y |  |
| pageSize | 每页大小 | int | 8 | Y |  |
| startDate | 开始时间 | string | -- | N | yyyy-MM-dd |
| endDate | 结束时间 | string | -- | N | yyyy-MM-dd |
| deptIdsString | 部门id | string | -- | N | 以逗号分隔 |
| personName | 人员姓名 | string | 64 | N |  |
| personCode | 人员工号 | string | 32 | N |  |

**示例:**

|  |
| --- |
| {  "endDate": "2019-12-05",  "pageNum": 1,  "pageSize": 20,  "startDate": "2019-12-05"  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | array |  |
| errMsg | 错误原因 | string |  |
| currentPage | 当前页 | int |  |
| pageData | 分页数据 | array |  |
| pageSize | 每页条数 | int |  |
| totalPage | 总页数 | int |  |
| totalRows | 总条数 | long |  |

**pageData字段:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| cardNumber | 卡号 | string |  |
| deptId | 部门id | long |  |
| personCode | 人员编号 | string |  |
| personId | 人员id | long |  |
| personName | 人员姓名 | string |  |
| reportDate | 统计日期 | string |  |
| rechargeAmount | 充值金额 | double |  |
| refundAmount | 退款金额 | double |  |
| subsidyAmount | 补贴金额 | double |  |

**示例:**

|  |
| --- |
| {  "data": {  "currentPage": 1,  "pageData": [  {  "cardNumber": "A4D5CBB7",  "deptId": 0,  "personCode": "10759",  "personId": 374,  "personName": "孙东杰",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "0D9E4310",  "deptId": 0,  "personCode": "14166",  "personId": 1111,  "personName": "邵俊",  "rechargeAmount": 30,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "62EE8052",  "deptId": 0,  "personCode": "14862",  "personId": 1259,  "personName": "刘鹏",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "3A60250A",  "deptId": 0,  "personCode": "16467",  "personId": 1545,  "personName": "姚利成",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "DCA8EA66",  "deptId": 0,  "personCode": "17366",  "personId": 1761,  "personName": "严震龙",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "CDA33310",  "deptId": 0,  "personCode": "17971",  "personId": 1909,  "personName": "於佳威",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "FD3E4B10",  "deptId": 0,  "personCode": "18055",  "personId": 1927,  "personName": "张兵",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "8DB86470",  "deptId": 0,  "personCode": "21061",  "personId": 2508,  "personName": "来建飞",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "76147661",  "deptId": 0,  "personCode": "21575",  "personId": 2639,  "personName": "吴晓燕",  "rechargeAmount": 50,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "3D8C6470",  "deptId": 0,  "personCode": "21896",  "personId": 2735,  "personName": "周增",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "9DDE54BE",  "deptId": 0,  "personCode": "21932",  "personId": 2738,  "personName": "方金六",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "84E698F2",  "deptId": 0,  "personCode": "24564",  "personId": 3291,  "personName": "董安武",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "1D3253BE",  "deptId": 0,  "personCode": "24936",  "personId": 3406,  "personName": "夏弘翔",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "7448462C",  "deptId": 0,  "personCode": "27695",  "personId": 4381,  "personName": "申屠宽",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "848B6273",  "deptId": 0,  "personCode": "27931",  "personId": 4488,  "personName": "王江柱",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "E476062B",  "deptId": 0,  "personCode": "28571",  "personId": 4821,  "personName": "王熙星",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "142F393B",  "deptId": 0,  "personCode": "28601",  "personId": 4838,  "personName": "吕青云",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "10B873DA",  "deptId": 0,  "personCode": "29181",  "personId": 5078,  "personName": "谢婉",  "rechargeAmount": 0,  "refundAmount": -292.5,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "674FAE96",  "deptId": 0,  "personCode": "29273",  "personId": 5103,  "personName": "蔡木",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "cardNumber": "E1D49844",  "deptId": 0,  "personCode": "32974",  "personId": 6712,  "personName": "姚玲珑",  "rechargeAmount": 100,  "refundAmount": 0,  "reportDate": "",  "subsidyAmount": 0  },  {  "deptId": 0,  "personId": 0,  "rechargeAmount": 1780,  "refundAmount": -292.5,  "reportDate": "",  "subsidyAmount": 0  }  ],  "pageSize": 20,  "totalPage": 12,  "totalRows": 232  },  "errMsg": "success!",  "success": true  } |

**抓包截图:**

|  |
| --- |
| POST /CardSolution/card/consumption/statistical\_report/person/cash?userId=1&userName=system&token=3d9d0b18c6933de644ef94736834c9be&orgCode=001 HTTP/1.1  Host: 10.35.120.145:8314  Connection: keep-alive  Content-Length: 131  Cache-Control: no-cache  Origin: chrome-extension://ekgcnachofgehpldiciopigdncmpeigj  User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/66.0.3359.139 Safari/537.36  Content-Type: application/json; charset=UTF-8  Accept: \*/\*  Accept-Encoding: gzip, deflate  Accept-Language: zh-CN,zh;q=0.9  Cookie: JSESSIONID=60684CC1344FC57D7FA3750B1D72A03E; JSESSIONID=BDBE674769312950F5949651FF94A6C3; currentToken=993ef5970ad892c53264ff93076e66ae  {  "endDate": "2020-04-12",  "merchantIdsString": "1",  "pageNum": 1,  "pageSize": 20,  "startDate": "2020-04-11"  }  HTTP/1.1 200 OK  Server: Apache-Coyote/1.1  Cache-Control: no-cache, no-store, must-revalidate  Pragma: no-cache  Expires: Thu, 01 Jan 1970 00:00:00 GMT  Content-Type: application/json;charset=UTF-8  Transfer-Encoding: chunked  Date: Sat, 11 Apr 2020 18:12:43 GMT  321  {"data":{"currentPage":1,"enableCloudDB":false,"pageData":[{"cardNumber":"7EF60456","deptId":0,"personId":1,"personName":"test","rechargeAmount":1000.0,"refundAmount":0.0,"reportDate":"","subsidyAmount":0.0,"subsidyRefundAmount":0.0},{"cardNumber":"ACA8DC66","deptId":0,"personId":4,"personName":"test1","rechargeAmount":1000.0,"refundAmount":0.0,"reportDate":"","subsidyAmount":0.0,"subsidyRefundAmount":0.0},{"cardNumber":"B68DEBF7","deptId":0,"personId":5,"personName":"lujia111","rechargeAmount":50.0,"refundAmount":-40.0,"reportDate":"","subsidyAmount":0.0,"subsidyRefundAmount":0.0},{"deptId":0,"personId":0,"rechargeAmount":2050.0,"refundAmount":-40.0,"reportDate":"","subsidyAmount":0.0,"subsidyRefundAmount":0.0}],"pageSize":20,"totalPage":1,"totalRows":3},"errMsg":"success!","success":true}  0 |

### 1.8.4卡内余额

**接口描述:**

--

**请求语法(URI):**

POST /CardSolution/card/consumption/statistical\_report/person/balance?userId=1&userName=system&token=xx

**请求头:**

|  |
| --- |
| Content-type: application/json |

**请求参数:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 长度 | 是否必填 | 备注 |
| pageNum | 页码 | int | 8 | Y |  |
| pageSize | 每页大小 | int | 8 | Y |  |
| deptIdsString | 部门id | string | -- | N |  |
| personName | 人员姓名 | string | 64 | N |  |
| personCode | 人员工号 | string | 32 | N |  |
| queryTime | 时间 | string | -- | N | yyyy-MM-dd HH:mm:ss |

**示例:**

|  |
| --- |
| {  "pageNum": 1,  "pageSize": 20  } |

**返回结果:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| success | 成功与否 | boolean | true:成功;false:失败 |
| data | 返回结果 | array |  |
| errMsg | 错误原因 | string |  |
| currentPage | 当前页 | int |  |
| pageData | 分页数据 | array |  |
| pageSize | 每页条数 | int |  |
| totalPage | 总页数 | int |  |
| totalRows | 总条数 | long |  |

**pageData字段:**

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 说明 | 类型 | 备注 |
| cardNumber | 卡号 | string |  |
| deptId | 部门id | long |  |
| deptName | 部门名称 | string |  |
| personCode | 人员编号 | string |  |
| personId | 人员id | long |  |
| personName | 人员姓名 | string |  |
| balance | 卡内余额 | double |  |

**示例:**

|  |
| --- |
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**抓包截图:**

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