# 1，概述

本接口文档用于描述MyBMW与 CDP数据交互的API接口说明，接口仅实现从MyBMW到CDP方向的数据传输，

文档更新与接口开发由CDP负责，MyBMW负责调用接口，传入数据。

**通用约定：**

* 接口采用Restful API实现。
* 采用https协议保证安全性
* 每次请求的报文都使用JSON格式
* 每次请求的报文都包含消息ID,响应中状态码见文档 ‘3返回状态码’
* 调用业务接口需要header中携带access\_token进行鉴权
* 预计可接受2000qps，延时100ms，具体以后期压测为准

# 2 接口详情

## 2.1 获取access\_token

接口请求

|  |  |
| --- | --- |
| 接口地址 | /v1/login/token |
| 测试环境地址 | https://dcsint.bmw.com.cn/ |
| 生产环境地址 | https://cdpds.lingyue-digital.com/ |
| 请求方式 | Post |
| Headers | Content-Type:application/x-www-form-urlencoded |

请求参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Description | Require | DataType | Remarks |
| account | 账号名 | Y | String |  |
| password | 密码 | Y | String |  |

接口响应

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Description | DataType | Remarks |
| success |  | String | Service execution results（true/false） |
| errCode |  | Integer | Error code |
| errMsg |  | String | Error message |
| data |  | JSONObject | Data body |
| data.access\_token |  | String | Access token str |
| data.expire\_time |  | long | 失效时间（token有效时间为一天） |

示例

|  |
| --- |
| 请求：https://dcsint.bmw.com.cn/v1/login/? account=test&password=testpassword  响应：  {  "errMsg": null,  "errCode": 20000,  "data": {  "access\_token": "MDAwMDAwMDAwMDAwMDAwMK/lXUCadIm/mDzeNrWpxZt71t7suuhFgzrWS38VerzY",  “expire\_time”: 1603956548349  },  "success": true  } |

## 2.2 用户基本信息（USID和GCID对应关系）

接口请求

|  |  |
| --- | --- |
| 接口地址 | /api/third-party/v1/customerInfo |
| 测试环境地址 | https://dcsint.bmw.com.cn/ |
| 生产环境地址 | https://cdpds.lingyue-digital.com/ |
| 请求方式 | Post |
| Headers | Content-Type:application/json;charset=UTF-8  Authorization: {access\_token} |

请求参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Description | Require | DataType | Remarks |
| reqId | 请求id | Y | String | 数据线索，全局唯一 |
| phone | 用户登录手机号 | Y | String | 以86开头 |
| usid | 用户usid | Y | String | GUID |
| gcid | 用户gcid | Y | String | GUID |
| timestamp | 数据更新时间 | Y | datatime | eg: 2020-06-30T12:47:45.235Z |

接口响应

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Description | DataType | Remarks |
| success |  | String | Service execution results（true/false） |
| errCode |  | Integer | Error code |
| errMsg |  | String | Error message |
| data |  | JSONObject | Data body |
| data.reqId |  | String | 返回推送的reqId |

示例

|  |
| --- |
| 请求：<https://dcsint.bmw.com.cn/api/third-party/v1/customerInfo>  {  “reqId”:” sdf23gfufmfof93548mn”,  “phone”:”8613888888888”,  “useid”:”qwerasdf”,  “gcid”:”qazwsx12”,  “timestamp”: 2020-06-30T12:47:45.235Z  }  响应：  {  "errMsg": null,  "errCode": 20000,  "data": {  "reqId": "sdf23gfufmfof93548mn"  },  "success": true  } |

## 2.3 人车关系

接口请求

|  |  |
| --- | --- |
| 接口地址 | /api/third-party/v1/relationship |
| 测试环境地址 | https://dcsint.bmw.com.cn/ |
| 生产环境地址 | https://cdpds.lingyue-digital.com/ |
| 请求方式 | Post |
| Headers | Content-Type:application/json;charset=UTF-8  Authorization: {access\_token} |

请求参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Description | Require | DataType | Remarks |
| reqId | 请求id | Y | String | 数据线索，全局唯一 |
| phone | 用户登录手机号 | Y | String |  |
| name | 姓名 | Y | String |  |
| vin | VIN | Y | String |  |
| type | 类型 | Y | enum | Personal;Company; |
| cdActiveStatus | CD激活状态 | Y | enum | NON\_CD；  NOT\_ACTIVATED；  IN\_PROGRESS；  CERTIFICATION\_FAILED； |
| lastUpdateTime | CD激活状态最后一次变更的时间戳 | Y | datetime | eg: 2020-06-30T12:47:45.235Z |

接口响应

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Description | DataType | Remarks |
| success |  | String | Service execution results（true/false） |
| errCode |  | Integer | Error code |
| errMsg |  | String | Error message |
| data |  | JSONObject | Data body |
| data.reqId |  | String | 返回推送的reqId |

示例

|  |
| --- |
| 请求：[https://dcsint.bmw.com.cn/api/third-party/v1/relationship](https://dcsint.bmw.com.cn/api/third-party/v1/relationship%20)  {  “reqId”:” sdf23gfufmfof93548mn”,  “phone”:”8613888888888”,  “name”:”xxxx”,  “vin”:”ssdfgeedddf12d3”,  “type”:”Personal”,  “cdActiveStatus”:” IN\_PROGRESS”,  “lastUpdateTime”: 2020-06-30T12:47:45.235Z  }  响应：  {  "errMsg": null,  "errCode": 20000,  "data": {  "reqId": "sdf23gfufmfof93548mn"  },  "success": true  } |

# 3返回状态码

|  |  |  |
| --- | --- | --- |
| ErrCode | ErrMsg |  |
| 20000 | The interface was successfully called |  |
| 40000 | Verification failed |  |
| 40001 | Invalid verify information |  |
| 40002 | Invalid request content |  |
| 40003 | Decryption failed |  |
| 40004 | Encryption failed |  |
| 50000 | Service is temporarily unavailable |  |
| 40005 | Header information empty |  |
| 40006 | The interface was failed called,insert data error |  |
| 40007 | List content empty |  |
| 40008 | System error,interface called fail |  |