# 服务器接口设计文档

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## 版本历史

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| --- | --- | --- | --- |
| **日期** | **修订内容** | **修订人员** | **版本号** |
| **2015.08** | **创建文档** | **吴洪峰** | **V0.0.1** |
| **2015.09** | **修改文档**  **错误状态码统一到文档最底部**  **(添加人员、删除人员 新增role参数)**  **机构查询、柜子查询做了调整** | **成银辉** | **V0.0.4** |
| **2015.09** | **人员信息模块重新整理(参数调整,请求包体实例信息，响应说明)**  **全局错误码，数据结构，在线工具推荐** | **成银辉** | **V0.05** |
| **2015.09.18** | **文档彻底整理，全部带上请求示例，以及详细的返回数据** | **成银辉** | **V0.0.8** |
| **2015.9.25** | **快件查询新增逾期时间范围参数** | **成银辉** | **V0.1.2** |
| **2015.9.30** | **人员信息新增 联系人，联系电话，emial 字段** | **成银辉** | **V0.1.3** |

最新版本：v0.1.3

最后修改：2015-09-30

## 接口协议概述

### 协议概述

接口目前采用HTTP GET/ POST 两种方式，用JSON方式传输数据，上传数据及服务器返回数据采用JSON格式。将会统一修改为Post方式。

Post 请求包括包头和包体两个部分，包体使用JSON组织请求的参数。userToken用于API请求的身份验证。包头根据不同API的需求，确定是否需要userToken参数。

服务器返回数据包括状态码及返回参数（若有）。

响应模型规约:

通常根据主键ID查询数据，返回唯一的单个数据模型。

通常带大量筛选参数的查询请求，会返回一个分页的响应数据模型(PageResponse)

### 协议实例

#### 接口地址

#### 请求方式 GET | POST

#### (请求参数)包头实例 header

Header：

userToken:aff1e89da06d45d4b087b4dc51b6f411

#### (请求参数)包体实例 body param

body:

{

"expressNumber":"TEST0001",

"takeUserPhoneNumber":"18500000000",

"previousPhoneNumber":"18600000000",

"logisticsCompany":{

"id":"c05b25f809a811e5b6c90610400f8d97"

}

}

#### 返回实例

response:

status:200 OK

{

"expressNumber": "TEST0001",

"logisticsCompany": {

"id": "c05b25f809a811e5b6c90610400f8d97"

},

"takeUserPhoneNumber": "18500000000",

"previousPhoneNumber": "18600000000"

}

## UserToken API

#### 请求路径

<http://host:port/ebox/api/v1/user/login>

#### 请求方式

POST

#### Header参数

空

#### 请求参数

Body Param

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 字段类型 | 名称 | 必须 | 说明 |
| loginName | String | 登入名 | Y |  |
| password | String | 用户密码 | Y |  |

包体实例:

body:

|  |
| --- |
| {  "loginName": "pakpobox",  "password": "password"  } |

#### 响应报文

|  |
| --- |
| {  "id": "1d42148b083511e5a29a0242ac110001",  "role": "LOGISTICS\_COMPANY\_USER",  "company": {  "id": "bb89c9b0082f11e5a29a0242ac110001",  "name": "红弈物流",  "companyType": "LOGISTICS\_COMPANY",  "deleteFlag": 0  },  "phoneNumber": "18575578100",  "name": "王献军",  "token": "ccec8ede2874462aa9654e8a3a365c17",  "wallets": [  {  "balance": 10,  "currencyUnit": "CNY"  }  ]  } |
| 用 ROOT 用户 13632903250 登录返回：  {  "id": "7d8a4e391f584b9c8f7819a65c70f797",  "role": "ROOT",  "phoneNumber": "13632903250",  "name": "Ceven",  "token": "1c70717c15b04c4f810ddfd88258cd1b",  "wallets": []  } |

##### 返回参数表

|  |  |  |
| --- | --- | --- |
| 字段 | 字段类型 | 说明 |
| id | String | 用户ID信息 |
| role | String | 用户角色信息 |
| company | JSON | 用户公司信息 |
| name | String | 用户名称 |
| token | String | 用户的Token |

## 人员信息API

### 添加人员信息

#### 请求路径

<http://host:port/api/v1/user/createStaff>

#### 请求方式

POST

#### Header参数

userToken，API使用者的Token。调用登录接口时获取到的

#### 请求参数

Body Param

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 字段类型 | 名称 | 必须 | 说明 |
| phoneNumber | String | 手机号 | Y | 注册用户手机号，不可重复 |
| loginName | String | 登入名 | Y | 登入用户，不可重复 |
| name | String | 用户名 | Y | 用户显示名称 |
| password | String | 用户密码 | Y |  |
| company | String | 公司信息 | N | 公司的Json格式信息，必须为API使用者的子公司，默认留空为API使用者的公司 |
| role | String | 角色 | N | 角色信息 |

包体实例:

body:

|  |
| --- |
| 用ROOT 用户登录操作  {  "phoneNumber": "13632903250",  "loginName": "ceven723",  "name": "cevencheng",  "password": "123456",  "role": "LOGISTICS\_COMPANY\_ADMIN",  "company": {  "id": "bb89c7fd082f11e5a29a0242ac110001 "  }  } |
|  |

#### 响应报文

|  |
| --- |
| {  "phoneNumber": "13632903250",  "loginName": "ceven723",  "name": "cevencheng",  "password": "123456",  "role": "ROOT"  }  // 创建 LOGISTICS\_COMPANY\_ADMIN  {  "role": "LOGISTICS\_COMPANY\_ADMIN",  "company": {  "id": "bb89c7fd082f11e5a29a0242ac110001 "  },  "phoneNumber": "13632903259",  "name": "cevencheng9",  "loginName": "ceven729",  "password": "123456"  } |

##### 返回参数表

空

### 修改人员信息

#### 请求路径

<http://host:port/api/v1/user/update>Staff

#### 请求方式

POST

#### Header参数

userToken，API使用者的Token。调用登录接口时获取到的

#### 请求参数

Body Param

| **参数** | **类型** | **必须** | **说明** |
| --- | --- | --- | --- |
| id | String | Y | 用户ID(不可变) |
| loginName | String | Y | 登录名(不可变) |
| phoneNumber | String | N | 手机号码 |
| name | String | N | 用户名，显示的昵称 |
| role | String | N | 角色 |
| company | JSON | N | 公司信息 |

包体实例:

body:

|  |
| --- |
| {  "id": " 402880284fbf82eb014fc03540e80006",  "loginName": "ceven723",  "name": "cevencheng",  "phoneNumber": "13632903250",  "role": "LOGISTICS\_COMPANY\_USER",  "company": {  "id": "bb89c9b0082f11e5a29a0242ac110001"  }  } |

#### 响应报文

|  |
| --- |
| {  "id": " 402880284fbf82eb014fc03540e80006",  "loginName": "ceven723",  "name": "cevencheng",  "phoneNumber": "13632903250",  "role": "LOGISTICS\_COMPANY\_USER",  "company": {  "id": "bb89c9b0082f11e5a29a0242ac110001"  }  } |

##### 返回参数表

空

### 查询人员信息

#### 请求路径

<http://host:port/api/v1/user/queryStaff>

#### 请求方式

GET

#### Header参数

userToken，API使用者的Token。调用登录接口时获取到的

#### 请求参数

| **参数** | **必须** | **说明** |
| --- | --- | --- |
| page | N | 页码，从0 开始。默认0 |
| maxCount | N | 每页条数 |
| companyId | N | 需要查询的公司ID，留空为API使用者有权限的所有的公司范围 |
| loginName | N | 登录名 |
| name | N | 人员姓名 |
| phoneNumber | N | 登录手机号 |
| role | N | 角色 |

请求示例：

|  |
| --- |
| <http://host:port/api/v1/user/queryStaff>?companyId=bb89c9b0082f11e5a29a0242ac110001&loginName=ceven723&phoneNumber=13632903250&role=LOGISTICS\_COMPANY\_USER&name=cevencheng |

##### response

返回内容以**PageResponse**形式呈现说明:

| **参数** | **说明** |
| --- | --- |
| id | 快件ID |
| company | 公司的**JSON信息** |
| name | 用户姓名 |
| role | 用户角色 |
| phoneNumber | 用户电话号码 |

### 删除人员信息

#### 请求路径

<http://host:port/api/v1/user/deleteStaff>

#### 请求方式

POST

#### Header参数

userToken，API使用者的Token。调用登录接口时获取到的

#### 请求参数

Body Param:

| **参数** | **类型** | **必须** | **说明** |
| --- | --- | --- | --- |
| id | String | Y | 用户编号 |

#### 包体实例

Header：

Content-Type:application/json

userToken: f5243bd0dc3f11e487a66c40088b8482

body:

|  |
| --- |
| {  "id": " 4e94399ad6aa11e490446c40088b8481"  } |

##### response

## 快件信息API

### 导入寄件信息

#### 请求路径

<http://host:port/api/v1/express/staffImportCustomerStoreExpress>

#### 请求方式

POST

#### Header参数

userToken，API使用者的Token，需要公司快递员权限。

#### 请求参数

快件列表说明

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 字段类型 | 必须 | 说明 |
| expressNumber | String | Y | 快件单号 |
| takeUserPhoneNumber | String | Y | 取件⼈手机号 |

JSON Body:

{

"expressNumber":"TEST0001",

"takeUserPhoneNumber":"18500000000",

"logisticsCompany":{

"id":"c05b25f809a811e5b6c90610400f8d97"

}

}

#### 返回参数

##### 返回参数表

以BODY返回所有失败的快件的快件单号,如果BODY为空Map且状态码为200则说明所有快件均被正常导⼊入

|  |  |  |
| --- | --- | --- |
| 字段 | 字段类型 | 说明 |
| BAD\_PARAMETER | JSON | 参数不完整的快件运单号列表，如未提供快件运单号，则列表中以空字符串表⽰ |
| NOT\_PERMISSION | JSON | 用户没有导⼊入快件指明的物流公司的相关权限的快件运单号列表 （存疑） |
| ALREADY\_EXIST | JSON | 运单号已在系统中存在的快件列表 |

### 导入退件信息

#### 请求路径

<http://host:port/api/v1/express/staffImportCustomerRejectExpress>

#### 请求方式

POST

#### Header参数

userToken，API使用者的Token，需要公司快递员权限。

#### 请求参数

快件列表express说明

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 字段类型 | 必须 | 说明 |
| expressNumber | String | Y | 快件单号 |
| takeUserPhoneNumber | String | Y | 取件⼈手机号 |

JSON Body:

{

"expressNumber":"TEST0001",

"takeUserPhoneNumber":"18500000000",

"logisticsCompany":{

"id":"c05b25f809a811e5b6c90610400f8d97"

}

}

#### 返回参数

##### 返回参数表

以BODY返回所有失败的快件的快件单号,如果BODY为空Map且状态码为200则说明所有快件均被正常导⼊入

|  |  |  |
| --- | --- | --- |
| 字段 | 字段类型 | 说明 |
| BAD\_PARAMETER | JSON | 参数不完整的快件运单号列表，如未提供快件运单号，则列表中以空字符串表⽰ |
| NOT\_PERMISSION | JSON | 用户没有导⼊入快件指明的物流公司的相关权限的快件运单号列表 （存疑） |
| ALREADY\_EXIST | JSON | 运单号已在系统中存在的快件列表 |

### 修改快件信息

#### 请求路径

http://host:port/api/v1/express/modifyPhoneNumber

#### Header参数

userToken，API使用者的Token，需要同公司快递员权限

#### 请求参数

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 字段类型 | 必须 | 说明 |
| expressNumber | String | Y | 快件单号 |
| takeUserPhoneNumber | String | Y | 修改后的取件人手机号 |
| previousPhoneNumber | String | Y | 当前的取件人手机号 |
| logisticsCompany | JSON | N | 快递公司ID |

{

"expressNumber":"TEST0001",

"takeUserPhoneNumber":"18500000000",

"previousPhoneNumber":"18600000000",

"logisticsCompany":{

"id":"c05b25f809a811e5b6c90610400f8d97"

}

}

#### 返回参数

##### 返回参数表

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 字段类型 | 必须 | 说明 |
| expressNumber | String | Y | 快件单号 |
| takeUserPhoneNumber | String | Y | 修改后的取件人手机号 |
| previousPhoneNumber | String | Y | 当前的取件人手机号 |
| logisticsCompany | JSON | N | 快递公司ID |

### 导入快件信息

#### 请求路径

<http://host:port/api/v1/express/import>

#### 请求方式

POST

#### Header参数

userToken，API使用者的Token，需要公司快递员权限。

#### 请求参数

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 字段 | 字段类型 | 名称 | 必须 | 说明 |
| expressList | JSON |  | Y | 快件列表 |

快件列表expressList说明

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 字段类型 | 必须 | 说明 |
| expressNumber | String | Y | 快件单号 |
| takeUserPhoneNumber | String | Y | 取件⼈手机号 |

[

{"expressNumber":"00001","takeUserPhoneNumber":"18500000000"},

{"expressNumber":"00002","takeUserPhoneNumber":"18500000000"},

{"expressNumber":"00003","takeUserPhoneNumber":"18500000000"},

{"expressNumber":"00003","takeUserPhoneNumber":"18500000000"}

]

#### 返回参数

##### 返回参数表

以BODY返回所有失败的快件的快件单号,如果BODY为空Map且状态码为200则说明所有快件均被正常导⼊入

|  |  |  |
| --- | --- | --- |
| 字段 | 字段类型 | 说明 |
| BAD\_PARAMETER | JSON | 参数不完整的快件运单号列表，如未提供快件运单号，则列表中以空字符串表⽰ |
| NOT\_PERMISSION | JSON | 用户没有导⼊入快件指明的物流公司的相关权限的快件运单号列表 （存疑） |
| ALREADY\_EXIST | JSON | 运单号已在系统中存在的快件列表 |

### 查询寄件退件信息

#### 请求路径

<http://host:port/api/v1/express/query>

#### 请求方式

GET

#### Header参数

userToken，API使用者的Token。调用登录接口时获取到的

#### 请求参数

| **参数** | **类型** | **必须** | **说明** |
| --- | --- | --- | --- |
| page | Int | N | 页码，从0开始。默认0 |
| maxCount | Int | N | 每页尺寸。默认 10 |
| takeUserPhone | String | N | 取件人手机号 |
| storeUserPhone | String | N | 存件人手机号 |
| expressNumber | String | N | 快递单号 |
| startTakeTime | Long | N | 取件时间范围开始(**timestamp**,单位*ms*) |
| endTakeTime | Long | N | 取件时间范围结束(**timestamp**,单位*ms*) |
| startStoreTime | Long | N | 存件时间范围开始(**timestamp**,单位*ms*) |
| endStoreTime | Long | N | 存件时间范围结束(**timestamp**,单位*ms*) |
| startOverdueTime | Long | N | 逾期时间范围开始(**timestamp**,单位*ms*) |
| endOverdueTime | Long | N | 逾期时间范围结束(**timestamp**,单位*ms*) |
| boxOrderNo | String | N | 快递柜业务编号 |
| boxId | String | N | 快递柜ID |
| expressStatus | String | N | 快件状态  IMPORTED：导入件  IN\_STORE：存储重  CUSTOMER\_TAKEN：顾客取走  COURIER\_TAKEN：快递员取走  OPERATOR\_TAKEN：运营商管理员取走  说明如果查逾期的，请配合逾期参数查询 |
| operatorIdList | String[] | N | 运营商ID列表 |
| logisticsCompanyIdList | String[] | N | 快递公司ID列表 |
| expressType | String | N | 快递类型 默认为*快递员存件* |

##### expressType 信息

| **状态码** | **说明** |
| --- | --- |
| COURIER\_STORE | 快递员存件 |
| CUSTOMER\_STORE | 用户 |
| CUSTOMER*TO*STAFF | 用户给工作人员贮 |
| CUSTOMER\_REJECT | 用户退件 |

#### 包体实例

Header：

Content-Type:application/json

userToken: f5243bd0dc3f11e487a66c40088b8482

query param:

|  |
| --- |
| <http://host:port/api/v1/express/query>?page=0&maxCount=10 |

##### response

返回内容以**PageResponse**形式呈现柜子信息说明:

| **参数** | **说明** |
| --- | --- |
| id | 快件ID |
| expressNumber | 快件订单号 |
| expressType | 快件类型 |
| storeUser | 存件人JSON 信息 |
| mouth | 格口 JSON 信息 |
| takeUserPhoneNumber | 取件人手机号 |
| validateCode | 验证码 |
| storeTime | 储存时间 |
| takeTime | 取件时间 |
| overdueTime | 逾期时间 |
| status | 快件当前状态 |
| staffTakenUser | 取件员 JSON信息(当快件是 作 员取 时存在) |

#### 响应报文

|  |
| --- |
| {  "page": 0,  "maxCount": 10,  "totalPage": 952,  "totalCount": 9514,  "resultList": [  {  "id": "fad0ff40465611e59bf2c485081e980c",  "expressNumber": "P2015081913",  "expressType": "COURIER\_STORE",  "storeUser": {  "id": "1d424e68083511e5a29a0242ac110001",  "phoneNumber": "97502970",  "name": "Yuma"  },  "mouth": {  "id": "814dd44f083411e5a29a0242ac110001",  "box": {  "id": "daf7faeb082f11e5a29a0242ac110001",  "orderNo": "P2014100078",  "name": "香港家樂坊"  },  "number": 55  },  "takeUserPhoneNumber": "13164706333",  "validateCode": "PP25KR",  "storeTime": 1439977509000,  "overdueTime": 1440259199000,  "status": "IN\_STORE"  },  {  "id": "4bc58968465511e59623c485081e980c",  "expressNumber": "P2015081912",  "expressType": "COURIER\_STORE",  "storeUser": {  "id": "1d424e68083511e5a29a0242ac110001",  "phoneNumber": "97502970",  "name": "Yuma"  },  "mouth": {  "id": "814d968e083411e5a29a0242ac110001",  "box": {  "id": "daf7faeb082f11e5a29a0242ac110001",  "orderNo": "P2014100078",  "name": "香港家樂坊"  },  "number": 38  },  "takeUserPhoneNumber": "5555",  "validateCode": "1BESR0",  "storeTime": 1439976786000,  "takeTime": 1439977397000,  "overdueTime": 1440259199000,  "status": "CUSTOMER\_TAKEN"  },  {  "id": "40613b1e465511e5acd5c485081e980c",  "expressNumber": "P2015081912",  "expressType": "COURIER\_STORE",  "storeUser": {  "id": "1d424e68083511e5a29a0242ac110001",  "phoneNumber": "97502970",  "name": "Yuma"  },  "mouth": {  "id": "814d9307083411e5a29a0242ac110001",  "box": {  "id": "daf7faeb082f11e5a29a0242ac110001",  "orderNo": "P2014100078",  "name": "香港家樂坊"  },  "number": 37  },  "takeUserPhoneNumber": "0000",  "validateCode": "ZO7APP",  "storeTime": 1439976767000,  "takeTime": 1439977349000,  "overdueTime": 1440259199000,  "status": "CUSTOMER\_TAKEN"  },  {  "id": "ecbf3362465411e59a79c485081e980c",  "expressNumber": "P2015081911",  "expressType": "COURIER\_STORE",  "storeUser": {  "id": "1d424e68083511e5a29a0242ac110001",  "phoneNumber": "97502970",  "name": "Yuma"  },  "mouth": {  "id": "814dde97083411e5a29a0242ac110001",  "box": {  "id": "daf7faeb082f11e5a29a0242ac110001",  "orderNo": "P2014100078",  "name": "香港家樂坊"  },  "number": 58  },  "takeUserPhoneNumber": "13164706333",  "validateCode": "PBXWA4",  "storeTime": 1439976626000,  "overdueTime": 1440259199000,  "status": "IN\_STORE"  },  {  "id": "129273c0464d11e59d30d0bf9c96f3a2",  "expressNumber": "YYU",  "expressType": "COURIER\_STORE",  "storeUser": {  "id": "1d42f063083511e5a29a0242ac110001",  "phoneNumber": "13430525911",  "name": "刘金城"  },  "mouth": {  "id": "816607cb083411e5a29a0242ac110001",  "box": {  "id": "daf81106082f11e5a29a0242ac110001",  "orderNo": "P2015100023",  "name": "禾輋廣場"  },  "number": 6  },  "takeUserPhoneNumber": "88",  "validateCode": "21GLME",  "storeTime": 1439973254000,  "overdueTime": 1440431999000,  "status": "IN\_STORE"  },  {  "id": "8499ff76465411e5810ac485081e980c",  "expressNumber": "P2015081910",  "expressType": "COURIER\_STORE",  "storeUser": {  "id": "1d424e68083511e5a29a0242ac110001",  "phoneNumber": "97502970",  "name": "Yuma"  },  "mouth": {  "id": "814ddb2e083411e5a29a0242ac110001",  "box": {  "id": "daf7faeb082f11e5a29a0242ac110001",  "orderNo": "P2014100078",  "name": "香港家樂坊"  },  "number": 57  },  "takeUserPhoneNumber": "13164706333",  "validateCode": "QPGAL5",  "storeTime": 1439976452000,  "overdueTime": 1440259199000,  "status": "IN\_STORE"  },  {  "id": "4227eda4465411e5a4f1c485081e980c",  "expressNumber": "P201508909",  "expressType": "COURIER\_STORE",  "storeUser": {  "id": "1d424e68083511e5a29a0242ac110001",  "phoneNumber": "97502970",  "name": "Yuma"  },  "mouth": {  "id": "814dd7c2083411e5a29a0242ac110001",  "box": {  "id": "daf7faeb082f11e5a29a0242ac110001",  "orderNo": "P2014100078",  "name": "香港家樂坊"  },  "number": 56  },  "takeUserPhoneNumber": "13164706333",  "validateCode": "L7CHN3",  "storeTime": 1439976340000,  "overdueTime": 1440259199000,  "status": "IN\_STORE"  },  {  "id": "31b716b6465411e58140c485081e980c",  "expressNumber": "P2015081908",  "expressType": "COURIER\_STORE",  "storeUser": {  "id": "1d424e68083511e5a29a0242ac110001",  "phoneNumber": "97502970",  "name": "Yuma"  },  "mouth": {  "id": "814d8dcc083411e5a29a0242ac110001",  "box": {  "id": "daf7faeb082f11e5a29a0242ac110001",  "orderNo": "P2014100078",  "name": "香港家樂坊"  },  "number": 36  },  "takeUserPhoneNumber": "13164706333",  "validateCode": "1UTXLA",  "storeTime": 1439976312000,  "overdueTime": 1440259199000,  "status": "IN\_STORE"  },  {  "id": "84be4a80465311e58a75c485081e980c",  "expressNumber": "P2015081907",  "expressType": "COURIER\_STORE",  "storeUser": {  "id": "1d424e68083511e5a29a0242ac110001",  "phoneNumber": "97502970",  "name": "Yuma"  },  "mouth": {  "id": "814d7916083411e5a29a0242ac110001",  "box": {  "id": "daf7faeb082f11e5a29a0242ac110001",  "orderNo": "P2014100078",  "name": "香港家樂坊"  },  "number": 30  },  "takeUserPhoneNumber": "13164706333",  "validateCode": "8DTYI2",  "storeTime": 1439976022000,  "overdueTime": 1440259199000,  "status": "IN\_STORE"  },  {  "id": "6f9c3cee465311e5a9eec485081e980c",  "expressNumber": "P2015081906",  "expressType": "COURIER\_STORE",  "storeUser": {  "id": "1d424e68083511e5a29a0242ac110001",  "phoneNumber": "97502970",  "name": "Yuma"  },  "mouth": {  "id": "814d74ce083411e5a29a0242ac110001",  "box": {  "id": "daf7faeb082f11e5a29a0242ac110001",  "orderNo": "P2014100078",  "name": "香港家樂坊"  },  "number": 29  },  "takeUserPhoneNumber": "13164706333",  "validateCode": "BOC2W6",  "storeTime": 1439975987000,  "overdueTime": 1440259199000,  "status": "IN\_STORE"  }  ]  } |

## 机构信息API

### 查询机构信息

#### 请求路径

[http://host:port/api/v1/company/query](http://host:port/api/v1/company/queryCompanyInfo)

#### 请求方式

GET

#### Header参数

userToken，API使用者的Token。调用登录接口时获取到的

#### 请求参数

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 字段类型 | 必须 | 说明 |
| page | Int | N | 页码 从0开始，默认0 |
| maxCount | Int | N | 每页数据条数 默认10条 |
| companyType | String | N | 公司类型（LOGISTICS\_COMPANY or OPERATOR） |
| parentId | String | N | 父公司ID |
| id | String | N | 公司编号 |

#### 包体实例

Header：

Content-Type:application/json

userToken: f5243bd0dc3f11e487a66c40088b8482

query param:

|  |
| --- |
| <http://host:port/api/v1/company/query?page=0&maxCount=10&companyType=&parentId>= |

#### 返回参数

|  |
| --- |
| {  "page": 0,  "maxCount": 10,  "totalPage": 15,  "totalCount": 150,  "resultList": [  {  "id": "4028aa364fe5103d014fe60a38270000",  "name": "pakpobox1",  "companyType": "OPERATOR",  "deleteFlag": 0,  "level": 1,  "contactName": "张三丰",  "contactPhoneNumber": "13632903250",  "contactEmail": "sanfeng@pakpobox.com"  },  {  "id": "4028aa994ff48d06014ff5d691720000",  "name": "pakpobox",  "companyType": "OPERATOR",  "deleteFlag": 0,  "level": 1  },  {  "id": "4028aa994ff48d06014ff5d7c16f0001",  "name": "1111",  "companyType": "OPERATOR",  "deleteFlag": 0,  "level": 1  },  {  "id": "4028aa994ff48d06014ff5e23aa00002",  "name": "2131",  "companyType": "OPERATOR",  "deleteFlag": 0,  "level": 1  },  {  "id": "4028aa994ff48d06014ff5e603b30003",  "name": "pangbo",  "companyType": "OPERATOR",  "deleteFlag": 0,  "level": 1  },  {  "id": "4028aa994ff48d06014ffe995ca00006",  "name": "天天物流大新总部",  "companyType": "OPERATOR",  "deleteFlag": 0,  "level": 1  },  {  "id": "4028aa9d5003c9960150073b5b800000",  "name": "wuli",  "companyType": "OPERATOR",  "deleteFlag": 0,  "level": 1  },  {  "id": "4028aa9d5003c9960150074331b40001",  "name": "fffff",  "companyType": "OPERATOR",  "deleteFlag": 0,  "level": 1  },  {  "id": "4028aa9d5003c99601500900e9870002",  "name": "qqqq",  "companyType": "OPERATOR",  "deleteFlag": 0,  "level": 1  },  {  "id": "4028aa9d5003c99601501349f2300004",  "name": "fsdofdsjfijdiso",  "companyType": "OPERATOR",  "deleteFlag": 0,  "level": 1  }  ]  } |

数据以 PageResponse 的形式返回

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 字段类型 | 必须 | 说明 |
| name | String | Y | 公司名称 |
| companyType | String | Y | 公司类型（LOGISTICS\_COMPANY or OPERATOR） |
| parentCompany | String | Y | 父类公司 |
| childCompany | String | Y | 子公司 |

### 新增机构信息

#### 请求路径

[http://host:port/api/v1/company/create](http://host:port/api/v1/company/createCompanyInfo)

#### 请求方式

POST

#### Header参数

userToken:(这些角色可以添加机构ROOT, LOGISTICS\_COMPANY\_ADMIN, OPERATOR\_ADMIN)，API使用者的Token

#### 请求参数

BodyParam JSON

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 字段类型 | 必须 | 说明 |
| id | String | Y | 公司编号 |
| name | String | Y | 公司名称 |
| companyType | String | Y | 公司类型（LOGISTICS\_COMPANY or OPERATOR） |
| parentCompany | String | N | 父类公司 |
| mechkFlag | Boolean | N | 用于过滤使运营商的获得所需数据 |

#### 包头实例

Header：

Content-Type:application/json

userToken: f5243bd0dc3f11e487a66c40088b8482

#### 包体实例

body:

{

"name":"pakpobox",

" companyType": "OPERATOR"

}

#### 返回实例

response:

status:200 OK

{

"id":"4028801d4fb6cc72014fb6cc7bbc0000",

"name":"pakpoboc",

"companyType":"OPERATOR",

"deleteFlag":0

}

#### 返回参数

### 修改机构信息

#### 请求路径

<http://host:port/api/v1/company/update>

#### 请求方式

POST

#### Header参数

#### userToken:(这些角色可以添加机构ROOT, LOGISTICS\_COMPANY\_ADMIN, OPERATOR\_ADMIN)，API使用者的Token

Company

公司表Company说明

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 字段类型 | 必须 | 说明 |
| id | String | Y | 公司编号 |
| name | String | N | 公司名称 |
| companyType | String | N | 公司类型（LOGISTICS\_COMPANY or OPERATOR） |
| parentCompany | JSON | N | 父类公司 （包含一个ID字段即可） |
| mechkFlag | Boolean | N | 用于过滤使运营商的获得所需数据 |

#### 包头实例

Header：

Content-Type:application/json

userToken: f5243bd0dc3f11e487a66c40088b8482

#### 包体实例

body:

{

"id":"e828ef3ed6a911e497c76c40088b8482",

"name":"pakpobox1",

"companyType":"OPERATOR"

}

#### 返回实例

response:

status:200 OK

{

"id":" e828ef3ed6a911e497c76c40088b8482",

"name":"pakpoboc1",

}

#### 返回参数

## 柜子信息API

### 查询柜子信息

#### 请求路径

<http://host:port/api/v1/box/query>

#### 请求方式

GET

#### 权限要求

OPERATOR\_ADMIN 角色

#### Header参数

userToken，API使用者的Token。调用登录接口时获取到的

#### 请求参数

| **参数** | **必须** | **类型** | **说明** |
| --- | --- | --- | --- |
| page | N | Int | 页码，从0开始 |
| maxCount | N | Int | 每页数据条数 |
| operatorId | N | String | 公司companyId |
| name | N | String | 名字 |

#### 包头实例

Header：

Content-Type:application/json

userToken: f5243bd0dc3f11e487a66c40088b8482

#### 请求实例

<http://host:port/api/v1/box/queryBoxInfo>?page=0&maxCount=10&name=&operatorId=

#### 返回数据

|  |
| --- |
| {  "page": 0,  "maxCount": 10,  "totalPage": 5,  "totalCount": 45,  "resultList": [  {  "id": "daf7d68e082f11e5a29a0242ac110001",  "name": "任达室内快递站",  "businessType": [  {  "id": "0123bdc00b6411e5ab97f406698a72e3",  "name": "早晨快信",  "company": {  "id": "bb8a4b89082f11e5a29a0242ac110001",  "name": "早晨快信"  }  }  ]  },  {  "id": "daf7d886082f11e5a29a0242ac110001",  "name": "新苑之城",  "businessType": []  },  {  "id": "daf7dc1e082f11e5a29a0242ac110001",  "name": "時昌迷你倉",  "businessType": []  },  {  "id": "daf7dd19082f11e5a29a0242ac110001",  "name": "广州碧桂园秀苑",  "businessType": []  },  {  "id": "daf7de27082f11e5a29a0242ac110001",  "name": "招商彩虹之岸",  "businessType": []  },  {  "id": "daf7dec9082f11e5a29a0242ac110001",  "name": "宝安中心宏发领域",  "businessType": []  },  {  "id": "daf7df80082f11e5a29a0242ac110001",  "name": "北角英皇道677号",  "businessType": []  },  {  "id": "daf7e02e082f11e5a29a0242ac110001",  "name": "红弈香港派宝箱",  "businessType": []  },  {  "id": "daf7e0f4082f11e5a29a0242ac110001",  "name": "佛山时代倾城",  "businessType": []  },  {  "id": "daf7e1aa082f11e5a29a0242ac110001",  "name": "广州碧桂园雅苑",  "businessType": []  }  ]  } |

返回内容以**PageResponse** 形式呈现柜子信息说明:

| **参数** | **说明** |
| --- | --- |
| address | 箱子地址 |
| addressForMessage | 短信上用的地址 |
| aliasName | 别名 |
| currencyUnit | 货币单位 |
| freeDays | 免费天数 |
| freeHours | 免费小时数 |

### 新增柜子信息

#### 请求路径

<http://host:port/api/v1/box/create>

#### 请求方式

POST

#### Header参数

userToken，API使用者的Token。调用登录接口时获取到的

#### 请求参数

BodyParam JSON (Box)说明

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 字段类型 | 必须 | 说明 |
| operator | JSON | Y | 派宝箱所属运营商JSON信息 |
| currencyUnit | String | Y | 派宝箱的货币单位（*INR*、*HKD*、*CNY*) |
| name | String | Y | 派宝箱名称 |
| orderNo | String | Y | 派宝箱业务编号 |
| validateType | String | N | 验证类型，默认为*验证码，仅6位数字字母* |
| zoneId | String | N | 派宝箱所在时区 |
| overdueType | String | Y | 逾期类型(*HOUR*:按小时逾期、*DAY*:按天逾期) |
| freeHours | int | N | 当逾期类型为*HOUR*时，必填，单位为*小时* |
| freeDays | int | N | 当逾期类型为*DAY*时，必填，单位为*天* |
| smsAccount | JSON | Y | 默认的短信运营商**JSON**信息 |
| cabinets | **JSONArray** | N | 控制柜**JSONArray**信息 |

operator:

| **参数** | **必须** | **说明** |
| --- | --- | --- |
| id | Y | 运营商主键 |

smsAccount:

| **参数** | **必须** | **说明** |
| --- | --- | --- |
| id | Y | 短信运营商ID |

cabinets:

| **参数** | **必须** | **说明** |
| --- | --- | --- |
| number | Y | 第几号储物柜 |
| mouths | N | 格口**JSONArray**信息 |

mouths:

| **参数** | **必须** | **说明** |
| --- | --- | --- |
| number | Y | 格口编号 |
| numberInCabinet | Y | 格口在控制柜中的编号 |
| mouthType | Y | 格口类型**JSON**信息 |

mouthType:

| **参数** | **必须** | **说明** |
| --- | --- | --- |
| id | Y | 类型ID |

#### 包头实例

Header：

Content-Type:application/json

userToken: f5243bd0dc3f11e487a66c40088b8482

#### 包体实例

body:

{

"operator": {

"id": "c058724009a811e5b6c90610400f8d97"

},

"currencyUnit": "HKD",

"name": "API\_TEST\_1",

"orderNo": "API\_TEST\_ORDER\_NO\_1",

"overdueType": "DAY",

"freeDays": "3",

"smsAccount": {

"id": "a39eac1cdd3111e4b8c66c40088b8482"

},

"cabinets": [{

"number": 1,

"mouths": [{

"number": 1,

"numberInCabinet": 1,

"mouthType": {

"id": "c05f8d5009a811e5b6c90610400f8d97"

}

}, {

"number": 2,

"numberInCabinet": 2,

"mouthType": {

"id": "c05f8d5009a811e5b6c90610400f8d97"

}

}, {

"number": 3,

"numberInCabinet": 3,

"mouthType": {

"id": "c05f8d5009a811e5b6c90610400f8d97"

}

}, {

"number": 4,

"numberInCabinet": 4,

"mouthType": {

"id": "c05f8d5009a811e5b6c90610400f8d97"

}

}]

}, {

"number": 2,

"mouths": [{

"number": 5,

"numberInCabinet": 1,

"mouthType": {

"id": "c05f8d5009a811e5b6c90610400f8d97"

}

}, {

"number": 6,

"numberInCabinet": 2,

"mouthType": {

"id": "c05f8ee009a811e5b6c90610400f8d97"

}

}, {

"number": 7,

"numberInCabinet": 3,

"mouthType": {

"id": "c05f8d5009a811e5b6c90610400f8d97"

}

}, {

"number": 8,

"numberInCabinet": 4,

"mouthType": {

"id": "c05f8ee009a811e5b6c90610400f8d97"

}

}]

}]

}

#### 返回参数

Box 具体信息

| **参数** | **类型** | **说明** |
| --- | --- | --- |
| id | String | 箱子编号 |
| name | String | 箱子名称 |
| aliasName | String | 箱子别名 |
| freeDays | Int | 免费天数 |
| freeHours | Int | 免费小时数 |
| address | String | 箱子地址 |

#### 返回实例

{

"id": "402880174fdfc660014fdfc7c9310000",

"orderNo": "API\_TEST\_ORDER\_NO\_1",

"name": "API\_TEST\_1",

"operator": {

"id": "c058724009a811e5b6c90610400f8d97",

"name": "Pakpobox HK",

"companyType": "OPERATOR",

"deleteFlag": 0

},

"validateType": "LETTER\_AND\_NUMBER\_VALIDATE\_CODE",

"cabinets": [

{

"id": "402880174fdfc660014fdfc7c9bf0001",

"number": 1,

"mouths": [

{

"id": "402880174fdfc660014fdfc7c9dd0002",

"mouthType": {

"id": "c05f8d5009a811e5b6c90610400f8d97",

"name": "M",

"defaultUsePrice": 1,

"defaultOverduePrice": 50,

"deleteFlag": 0

},

"number": 1,

"numberInCabinet": 1,

"usePrice": 1,

"overduePrice": 50,

"status": "ENABLE",

"deleteFlag": 0,

"syncFlag": 1

},

{

"id": "402880174fdfc660014fdfc7c9fa0003",

"mouthType": {

"id": "c05f8d5009a811e5b6c90610400f8d97",

"name": "M",

"defaultUsePrice": 1,

"defaultOverduePrice": 50,

"deleteFlag": 0

},

"number": 2,

"numberInCabinet": 2,

"usePrice": 1,

"overduePrice": 50,

"status": "ENABLE",

"deleteFlag": 0,

"syncFlag": 1

},

{

"id": "402880174fdfc660014fdfc7ca080004",

"mouthType": {

"id": "c05f8d5009a811e5b6c90610400f8d97",

"name": "M",

"defaultUsePrice": 1,

"defaultOverduePrice": 50,

"deleteFlag": 0

},

"number": 3,

"numberInCabinet": 3,

"usePrice": 1,

"overduePrice": 50,

"status": "ENABLE",

"deleteFlag": 0,

"syncFlag": 1

},

{

"id": "402880174fdfc660014fdfc7ca120005",

"mouthType": {

"id": "c05f8d5009a811e5b6c90610400f8d97",

"name": "M",

"defaultUsePrice": 1,

"defaultOverduePrice": 50,

"deleteFlag": 0

},

"number": 4,

"numberInCabinet": 4,

"usePrice": 1,

"overduePrice": 50,

"status": "ENABLE",

"deleteFlag": 0,

"syncFlag": 1

}

],

"deleteFlag": 0

},

{

"id": "402880174fdfc660014fdfc7ca190006",

"number": 2,

"mouths": [

{

"id": "402880174fdfc660014fdfc7ca2a0007",

"mouthType": {

"id": "c05f8d5009a811e5b6c90610400f8d97",

"name": "M",

"defaultUsePrice": 1,

"defaultOverduePrice": 50,

"deleteFlag": 0

},

"number": 5,

"numberInCabinet": 1,

"usePrice": 1,

"overduePrice": 50,

"status": "ENABLE",

"deleteFlag": 0,

"syncFlag": 1

},

{

"id": "402880174fdfc660014fdfc7ca320008",

"mouthType": {

"id": "c05f8ee009a811e5b6c90610400f8d97",

"name": "S",

"defaultUsePrice": 1,

"defaultOverduePrice": 40,

"deleteFlag": 0

},

"number": 6,

"numberInCabinet": 2,

"usePrice": 1,

"overduePrice": 40,

"status": "ENABLE",

"deleteFlag": 0,

"syncFlag": 1

},

{

"id": "402880174fdfc660014fdfc7ca3d0009",

"mouthType": {

"id": "c05f8d5009a811e5b6c90610400f8d97",

"name": "M",

"defaultUsePrice": 1,

"defaultOverduePrice": 50,

"deleteFlag": 0

},

"number": 7,

"numberInCabinet": 3,

"usePrice": 1,

"overduePrice": 50,

"status": "ENABLE",

"deleteFlag": 0,

"syncFlag": 1

},

{

"id": "402880174fdfc660014fdfc7ca4a000a",

"mouthType": {

"id": "c05f8ee009a811e5b6c90610400f8d97",

"name": "S",

"defaultUsePrice": 1,

"defaultOverduePrice": 40,

"deleteFlag": 0

},

"number": 8,

"numberInCabinet": 4,

"usePrice": 1,

"overduePrice": 40,

"status": "ENABLE",

"deleteFlag": 0,

"syncFlag": 1

}

],

"deleteFlag": 0

}

],

"freeDays": 3,

"overdueType": "DAY",

"startTime": 3,

"syncFlag": 1,

"currencyUnit": "HKD",

"deleteFlag": 0

}

### 修改柜子信息

#### 请求路径

<http://host:port/api/v1/box/update>

#### 请求方式

POST

#### Header参数

userToken，API使用者的Token。调用登录接口时获取到的

#### 请求参数

BodyParam JSON (Company)说明

|  |  |  |  |
| --- | --- | --- | --- |
| 字段 | 字段类型 | 必须 | 说明 |
| id | String | Y | 公司编号 |
| name | String | N | 公司名称 |
| companyType | String | N | 公司类型（LOGISTICS\_COMPANY or OPERATOR） |
| parentCompany | JSON | N | 父类公司 （包含一个ID字段即可） |
| mechkFlag | Boolean | N | 用于过滤使运营商的获得所需数据 |

#### 包头实例

Header：

Content-Type:application/json

userToken: f5243bd0dc3f11e487a66c40088b8482

#### 包体实例

body:

{

"id":"e828ef3ed6a911e497c76c40088b8482",

"name":"pakpobox1",

"companyType":"OPERATOR"

}

#### 返回参数

Box 具体信息

| **参数** | **类型** | **说明** |
| --- | --- | --- |
| id | String | 箱子编号 |
| name | String | 箱子名称 |
| aliasName | String | 箱子别名 |
| freeDays | Int | 免费天数 |
| freeHours | Int | 免费小时数 |
| address | String | 箱子地址 |

#### 返回实例

response:

status:200 OK

{

"id":" e828ef3ed6a911e497c76c40088b8482",

"name":"pakpoboc1",

}

### 查询柜子异常信息

## 数据结构

### Role 角色信息

| **参数** | **说明** |
| --- | --- |
| ROOT | 根账户 |
| OPERATOR\_ADMIN | 运营商管理员 |
| OPERATOR\_USER | 运营商员工 |
| LOGISTICSCOMPANYADMIN | 快递公司管理员 |
| LOGISTICSCOMPANYUSER | 快递公司员工 |

### Company 公司信息

### Box 柜子信息

| **参数** | **说明** |
| --- | --- |
| address | 箱子地址 |
| addressForMessage | 短信上用的地址 |
| aliasName | 别名 |
| currencyUnit | 货币单位 |
| freeDays | 免费天数 |
| freeHours | 免费小时数 |

### ExpressStatus 快件状态

| **参数** | **说明** |
| --- | --- |
| IMPORTED | 导入件 |
| IN\_STORE | 存储件 |
| CUSTOMER\_TAKEN | 顾客取走 |
| COURIER\_TAKEN | 快递员取走 |
| OPERATOR\_TAKEN | 运营商工作人员取走 |

### PageResponse 分页数据模型

{

"page": 0,

"maxCount": 10,

"totalPage": 5,

"totalCount": 53,

"resultList": []

}

## 全局错误代码

| **状态码** | **说明** |
| --- | --- |
| 200 | 用户查询成功 |
| 400 | 请求参数有误 |
| 401 | userToken为空或错误 |
| 403 | 用户没有相关权限 |

## 相关工具推荐

### JSON 数据格式在线校验：

<http://www.bejson.com/>

### API在线测试工具：

<http://apistore.baidu.com/astore/toolshttpproxy.html>