**密集架服务端**

接口设计说明书

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| **修订历史** | | | | | |
| **编号** | **日期** | **修订描述** | **版本** | **作者** | **审核** |
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# 引言

## 目的

|  |
| --- |
| *说明本文档的编写目的，提出读者对象。* |

## 背景

|  |
| --- |
|  |

## 术语和缩略语

|  |
| --- |
| 对本文档中新增的概念或术语进行准备扼要的解释。对缩略语的原词组也需要在这里解释。 |

## 参考资料

|  |
| --- |
| 应完整列出本文档所参考或引用的资料，可包括项目其他文档。标识出每个文件的名称、编号（如果有）、日期、出版组织、获取来源，可以通过在此处定义、引用本文档的附录、或者引用其它文件的方式来提供。 |

## 约定

|  |
| --- |
| 说明在编写或阅读本文档时的一些约定，如需求编号的编码规则、图例规则等，可以通过在此处定义、引用本文档的附录、或者引用其它文件的方式来提供。 |

# 接口设计约束

## 设计原则

|  |
| --- |
| 接口设计原则要充分考虑接口的稳定性，封装性和向后兼容性，尽可能的做到低耦合高内聚。 |

## 其他约束

|  |
| --- |
| 描述该产品在接口设计方面的特殊约束。  例如短信平台的短信操作码编码规范。 |

# 修订历史

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| --- | --- | --- |
| **日期** | **修改人** | **修改内容** |
|  |  |  |

# 接口详细说明

控制服务支持HTTP协议，采用POST方式。数据包的格式为JSON，编码格式为UTF-8编码。

URL:

<http://ip:port/根路由/子路由>

根路由：mjj\_touch

子路由：具体接口

**<http://www.bejson.com/jsoneditoronline/> //json格式化**

发送：

常规json对象或者数组

例如：

{"house\_no":"01","area\_no":1,"temp":12.21,"humi":78.23}

或者

[{roleId:1,isShow:1,moduleId:1},{roleId:1,isShow:1,moduleId:1}]

返回：

{"Success":true,"Message":null,"MessageType":null,"Data":null}

Data字段是可变类型。

## 插入温湿度日志

**简要描述：**

插入密集架温湿度信息到后台数据库。

**请求URL：**

**请求方式：**<http://60.190.30.138:91/mjj_touch/set_wsd_history>

Post

**参数：**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| house\_no | 是 | string | 库房号，固定列设置传递 |
| area\_no | 是 | int | 库房区域编号 |
| temp | 是 | decimal | 当前温度值 |
| humi | 是 | decimal | 当前湿度值 |

**请求示例**

|  |
| --- |
| {"house\_no":"01","area\_no":1,"temp":12.21,"humi":78.23} |

**返回示例**

|  |
| --- |
| {"Success":true,"Message":"OK","MessageType":null,"Data":null} |

**返回参数说明**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
|  |  |  |  |

## 插入温湿度报警日志

**简要描述：**

插入密集架温湿度报警到后台数据库。

**请求URL：**

**请求方式：**[http://60.190.30.138:91/mjj\_touch/set\_warn\_history](http://60.190.30.138:91/mjj_touch/set_wsd_history)

Post

**参数：**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| house\_no | 是 | string | 库房号，固定列设置传递 |
| area\_no | 是 | int | 库房区域编号 |
| op\_col | 是 | int | 操作列 |
| warn\_code | 是 | int | 报警类型 |
| warn\_remark | 是 | string | 报警备注 |

**请求示例**

|  |
| --- |
| {"house\_no":"01","area\_no":1,"op\_col":2,"warn\_code":3,"warn\_remark":"烟雾报警"} |

**返回示例**

|  |
| --- |
| {"Success":true,"Message":"OK","MessageType":null,"Data":null} |

**返回参数说明**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
|  |  |  |  |

## 密集架状态更新

**简要描述：**

插入密集架温湿度报警到后台数据库。

**请求URL：**

**请求方式：**[http://60.190.30.138:91/mjj\_touch/update\_mjj\_status](http://60.190.30.138:91/mjj_touch/set_wsd_history)

Post

**参数：**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| high\_code | 是 | int | 高区域状态码 |
| high\_column | 是 | int | 高区域操作列 |
| low\_code | 是 | int | 低区域状态码 |
| low\_column | 是 | int | 低区域操作列 |
| high\_code\_name | 是 | string | 高区域状态描述 |
| low\_code\_name | 是 | string | 低区域状态描述 |
| house\_no | 是 | string | 库房号 |
| area\_no | 是 | int | 区域号 |

**请求示例**

|  |
| --- |
| {"house\_no":"01","area\_no":1,"op\_col":2,"warn\_code":3,"warn\_remark":"烟雾报警"} |

**返回示例**

|  |
| --- |
| {"Success":true,"Message":"OK","MessageType":null,"Data":null} |

**返回参数说明**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
|  |  |  |  |

## 密集架温湿度更新

**简要描述：**

插入密集架温湿度报警到后台数据库。

**请求URL：**

**请求方式：**[http://60.190.30.138:91/mjj\_touch/update\_mjj\_status](http://60.190.30.138:91/mjj_touch/set_wsd_history)2

Post

**参数：**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| temp | 是 | decimal | 当前温度值 |
| humi | 是 | decimal | 当前湿度值 |
| house\_no | 是 | string | 库房号 |
| area\_no | 是 | int | 区域号 |

**请求示例**

|  |
| --- |
| {"temp":15.67,"humi":87.09,"house\_no":"01","area\_no":1} |

**返回示例**

|  |
| --- |
| {"Success":true,"Message":"OK","MessageType":null,"Data":null} |

**返回参数说明**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
|  |  |  |  |

## 获取档案盒列表

**简要描述：**

获取档案盒信息。

**请求URL：**

**请求方式：**[http://60.190.30.138:91/mjj\_touch/get\_archive\_box](http://60.190.30.138:91/mjj_touch/set_wsd_history)

Post

**参数：**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| key\_name | 是 | string | 关键字名 |
| key\_value | 是 | string | 关键字值 |

**请求示例**

|  |
| --- |
| {"key\_name":"box\_barcode","key\_value":"0"} |

**返回示例**

|  |
| --- |
| {"Success":true,"Message":"操作成功","MessageType":null,"Data":{"list":[{"id":1,"case\_no":"201000001900014","begin\_no":"0000","end\_no":"0000","icount":1,"box\_barcode":"00000001","uid":null,"status":"0","create\_time":"2020-01-30T11:52:00","update\_time":"2020-01-30T11:52:00"},{"id":10,"case\_no":"201000001900014","begin\_no":"0000","end\_no":"0000","icount":1,"box\_barcode":"00000010","uid":null,"status":"0","create\_time":"2020-01-30T11:52:01","update\_time":"2020-01-30T11:52:01"}]}} |

**返回参数说明（Data.list）**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| id |  | int | 主键 |
| case\_no |  | string | 盒号 |
| begin\_no |  | string | 开始编号 |
| end\_no |  | string | 结束编号 |
| icount |  | int | 数量 |
| box\_barcode |  | string | 盒子条码 |
| uid |  | string | Rfid内部码 |
| status |  | string | 状态 |
| create\_time |  | string | 创建日期 |
| update\_time |  | string | 修改日期 |

## 获取档案列表

**简要描述：**

根据关键字查询获取档案信息。

**请求URL：**

**请求方式：**[http://60.190.30.138:91/mjj\_touch/get\_archive](http://60.190.30.138:91/mjj_touch/set_wsd_history)

Post

**参数：**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| key\_name | 是 | string | 关键字名 |
| key\_value | 是 | string | 关键字值 |

**请求示例**

|  |
| --- |
| {"key\_name":"maintitle","key\_value":"客户"} |

**返回示例**

|  |
| --- |
| {"Success":true,"Message":"操作成功","MessageType":null,"Data":{"list":[{"id":1,"folder\_no":"201000001900014","maintitle":"客户1","responsibleby":"","create\_time":"2019-11-22T20:14:05.093","sbt\_word":"","filing\_year":0,"case\_no":"201000001900014","archive\_type\_id":1,"barcode":"00000001","box\_barcode":"00000001","house\_no":"00000001","shelf\_no":"0101012010101","status":"1"},{"id":2,"folder\_no":"201000001900014","maintitle":"客户2","responsibleby":null,"create\_time":"2019-11-22T20:14:05.123","sbt\_word":null,"filing\_year":null,"case\_no":"201000001900014","archive\_type\_id":1,"barcode":"00000002","box\_barcode":"00000002","house\_no":"00000002","shelf\_no":null,"status":"0"}]}} |

**返回参数说明（Data.list）**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| id |  | int | 主键 |
| folder\_no |  | string | 档号 |
| maintitle |  | string | 题名 |
| responsibleby |  | string | 责任者 |
| create\_time |  | string | 创建日期 |
| sbt\_word |  | string | 主题词 |
| filing\_year |  | int | 年度 |
| case\_no |  | string | 盒号 |
| archive\_type\_id |  | int | 档案类别id |
| barcode |  | string | 条码 |
| box\_barcode |  | string | 盒子条码 |
| house\_no |  | string | 库房号 |
| shelf\_no |  | string | 架位条码 |
| status |  | string | 状态 |

## 获取开架列表

**简要描述：**

根据库房号和区号查询获取开架列表信息。

**请求URL：**

**请求方式：**[http://60.190.30.138:91/mjj\_touch/get\_job\_list](http://60.190.30.138:91/mjj_touch/set_wsd_history)

Post

**参数：**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| job\_type\_no | 是 | string | 队列类别，00入队，01出队 |
| house\_no | 是 | string | 库房号 |
| area\_no | 是 | int | 区号 |
| newer | 是 | bool | 是否最新 |

**请求示例**

|  |
| --- |
| {"job\_type\_no":"00","house\_no":"01","area\_no":1,"newer":true} |

**返回示例**

|  |
| --- |
| {"Success":true,"Message":"操作成功","MessageType":null,"Data":{"list":[{"id":7,"archive\_id":2,"barcode":"00000002","title":"客户2","author":null,"callnos":"201000001900014","house\_no":"01","shelf\_no":"0101021030501","u\_id":"admin","patron\_id":null,"job\_type\_no":"00","first\_action\_time":null,"last\_action\_time":null,"create\_time":"2020-01-30T15:12:33","crash":"1","status":"3","status2":"0","mjj\_remark":null,"lib\_remark":null,"terminal\_type\_id":null},{"id":8,"archive\_id":3,"barcode":"00000003","title":"客户3","author":null,"callnos":"201000001900014","house\_no":"01","shelf\_no":"0101021030501","u\_id":"admin","patron\_id":null,"job\_type\_no":"00","first\_action\_time":null,"last\_action\_time":null,"create\_time":"2020-01-30T15:12:33","crash":"1","status":"3","status2":"0","mjj\_remark":null,"lib\_remark":null,"terminal\_type\_id":null}]}} |

**返回参数说明（Data.list）**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| id |  | int | 主键 |
| archive\_id |  | int | 档案ID |
| barcode |  | string | 条码 |
| title |  | string | 题名 |
| author |  | string | 作者 |
| callnos |  | string | 档号 |
| house\_no |  | string | 库房号 |
| shelf\_no |  | string | 架位号 |
| u\_id |  | string | 登录号 |
| patron\_id |  | string | 读者号 |
| job\_type\_no |  | string | 队列类型编号 |
| first\_action\_time |  | string |  |
| last\_action\_time |  | string |  |
| create\_time |  | string |  |
| crash |  | string | 紧急程度 |
| status |  | string | 状态 |
| status2 |  | string |  |
| mjj\_remark |  | string |  |
| lib\_remark |  | string |  |
| terminal\_type\_id |  | int |  |

## 密集架控制

**简要描述：**

获取密集架控制指令来控制密集架。

**请求URL：**

**请求方式：**[http://60.190.30.138:91/mjj\_touch/](http://60.190.30.138:91/mjj_touch/set_wsd_history)get\_controlCabinet

Post

**参数：**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| house\_no | 是 | string | 库房号 |
| area\_no | 是 | int | 区域号 |

**请求示例**

|  |
| --- |
| {"house\_no":"01","area\_no":"1"} |

**返回示例**

|  |
| --- |
| {"Success":true,"Message":"","MessageType":null,"Data":{"cmd":"open","cabinet\_nos":"0101021030501","uids":"","remark":"客户4","status":0,"house\_no":"01"}} |

**返回参数说明（Data）**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| cmd |  | string | 命令 |
| cabinet\_nos |  | string | 架位地址 |
| uids |  | string | Rfid编号 |
| remark |  | string | 备注信息 |
| status |  | string | 状态 |
| house\_no |  | string | 库房号 |

## 密集架控制状态更新

**简要描述：**

更新密集架控制状态。

**请求URL：**

**请求方式：**[http://60.190.30.138:91/mjj\_touch/](http://60.190.30.138:91/mjj_touch/set_wsd_history)update\_controlCabinet

Post

**参数：**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| id | 是 | int | 控制ID |
| status | 是 | int | 更新状态，一般1 |
| response | 是 | string | 备注 |

**请求示例**

|  |
| --- |
| {"id":1,"status":1,"response":""} |

**返回示例**

|  |
| --- |
| {"Success":true,"Message":"","MessageType":null,"Data":null} |

**返回参数说明**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
|  |  |  |  |

## 密集架控制状态删除

**简要描述：**

删除密集架控制状态。

**请求URL：**

**请求方式：**[http://60.190.30.138:91/mjj\_touch/](http://60.190.30.138:91/mjj_touch/set_wsd_history)delete\_controlCabinet

Post

**参数：**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| house\_no | 是 | string | 库房号 |
| area\_no | 是 | int | 区域号 |

**请求示例**

|  |
| --- |
| {"house\_no":"01","area\_no":"1"} |

**返回示例**

|  |
| --- |
| {"Success":true,"Message":"","MessageType":null,"Data":null} |

**返回参数说明**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
|  |  |  |  |

## 队列状态更新

**简要描述：**

更新密集架队列状态。

**请求URL：**

**请求方式：**[http://60.190.30.138:91/mjj\_touch/](http://60.190.30.138:91/mjj_touch/set_wsd_history)set\_job\_status

Post

**参数：**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
| id | 是 | int | 控制ID |
| status | 是 | string | 更新状态，一般7、8 |
| response | 是 | string | 备注 |

**请求示例**

|  |
| --- |
| {"id":1,"status":1,"response":""} |

**返回示例**

|  |
| --- |
| {"Success":true,"Message":"","MessageType":null,"Data":null} |

**返回参数说明**

| **参数名** | **必选** | **类型** | **说明** |
| --- | --- | --- | --- |
|  |  |  |  |