# 物品柜数据接口

## 1.1物品柜物品使用日志查询接口

**作用**：获取物品柜物品的历史使用日志

**Post请求地址**：<http://ip[:port]>/api/operation/page

**参数**：

public class OperationParam {

public String cabinetId; /\* 物品柜ID \*/

public String cabinetName; /\* 物品柜名称 \*/

public String cabinetNumber; /\* 物品柜编号 \*/

public String gridId; /\* 物品ID \*/

public String gridName; /\* 物品名称 \*/

public String gridNumber; /\* 物品编号 \*/

public String userId; /\* 用户ID \*/

public String userName; /\* 用户名称 \*/

public String userNumber; /\* 用户编号 \*/

public String optTime; /\* 操作时间 \*/

public String type; /\* 操作类型 \*/

public String status; /\* 归还状态 \*/

public int page; //当前页数(必填)

public int size; //每页条数(必填)

}

**入参示例：**

{

cabinetId: null

cabinetName: null

cabinetNumber: null

gridId: null

gridName: null

gridNumber: null

userId: null

userName: null

userNumber: null

optTime: null

status: null

type: null

page: 1

size: 20

}

**返回值：**

public class Result{

public String code; /\* 结果码 \*/

public String msg; /\* 信息描述 \*/

public Page<Operation> data; /\* 返回的数据 \*/

}

public class Page<Operation> {  
 public List<Operation> dataList; /\* 数据列表 \*/  
 public int size; /\* 每页记录数(页大小) \*/  
 public int rowCount;/\* 记录总数 \*/  
 public int page;/\* 当前页 \*/  
}

public class Operation{  
private Long id; /\* 主键 \*/  
private String userNumber; /\* 用户编号 \*/  
private String userName; /\* 用户名 \*/  
private LocalDateTime optTime; /\* 操作时间 \*/  
private String cabineNumber; /\* 物品柜编号 \*/  
private String cabineName; /\* 物品柜名称 \*/  
private String gridNumber; /\* 物品编号 \*/  
private String gridName; /\* 物品名称 \*/  
private Byte type; /\* 操作类型 \*/  
private Long userId; /\* 用户id \*/  
private Long cabineId; /\* 物品柜id \*/  
private Long gridId; /\* 物品id \*/  
private Byte status; /\* 归还状态 \*/

}

**返回示例：**

{

"code": 200,

"msg": "SUCCESS",

"data": {

"dataList": [

{

"id": "711031404367970304",

"userNumber": "1000",

"userName": "admin",

"optTime": "2022-11-11 12:05:34",

"cabinetNumber": "001",

"cabinetName": "001",

"gridNumber": "001",

"gridName": "测试钥匙",

"type": 0,

"userId": "10000",

"cabinetId": "1",

"gridId": "1",

"status": 0

}

],

"size": 20,

"rowCount": 1,

"page": 1

}

}}

## 1.2物品柜告警信息查询接口

**作用：**获取物品柜告警信息

**Post请求地址**：<http://ip[:port]>/api/alert/page

**参数：**

public class AlertParam {

private Long id; /\* 主键 \*/  
 private String cabinetCode; /\* 物品柜编号 \*/  
 private String cabinetName; /\* 物品柜名称 \*/  
 private String gridCode; /\* 物品编号 \*/  
 private String gridName; /\* 物品名称 \*/  
 private Byte recordType; /\* 告警类型 \*/  
 private LocalDateTime recordTime; /\* 告警时间 \*/  
 private Long cabinetId; /\* 物品柜主键 \*/  
 private Long gridId; /\* 物品主键 \*/  
 private Long userId; /\* 用户主键 \*/  
 private String userName; /\* 用户姓名 \*/  
 private Long controlId; /\* 工控机主键 \*/  
 private Short controlCode; /\* 工控机编号 \*/  
 private String controlName; /\* 工控机名称 \*/

public int page; //当前页数(必填)

public int size; //每页条数(必填)

}

**入参示例：**

**{**

cabinetCode: null

cabinetId: null

cabinetName: null

controlCode: null

controlId: null

controlName: null

gridCode: null

gridId: null

gridName: null

page: 1

recordTime: null

recordType: null

size: 20

userId: null

userName: null

**}**

**返回值：**

public class Result{

public String code; /\* 结果码 \*/

public String msg; /\* 信息描述 \*/

public Page<Alert> data; /\* 返回的数据 \*/

}

public class Page<Alert> {  
 public List<Alert> dataList; /\* 数据列表 \*/  
 public int size; /\* 每页记录数(页大小) \*/  
 public int rowCount;/\* 记录总数 \*/  
 public int page;/\* 当前页 \*/  
}

public class Alert {

private Long id; /\* 主键 \*/  
 private String cabinetCode; /\* 物品柜编号 \*/  
 private String cabinetName; /\* 物品柜名称 \*/  
 private String gridCode; /\* 物品编号 \*/  
 private String gridName; /\* 物品名称 \*/  
 private Byte recordType; /\* 告警类型 \*/  
 private LocalDateTime recordTime; /\* 告警时间 \*/  
 private Long cabinetId; /\* 物品柜主键 \*/  
 private Long gridId; /\* 物品主键 \*/  
 private Long userId; /\* 用户主键 \*/  
 private String userName; /\* 用户姓名 \*/  
 private Long controlId; /\* 工控机主键 \*/  
 private Short controlCode; /\* 工控机编号 \*/  
 private String controlName; /\* 工控机名称 \*/

}

**返回示例：**

{

"code": 200,

"msg": "SUCCESS",

"data": {

"dataList": [

{

"id": "222222",

"cabinetCode": "1",

"cabinetName": "测试箱子",

"gridCode": "1",

"gridName": "测试钥匙",

"recordType": 1,

"recordTime": "2022-11-10 18:29:18",

"dr": 0,

"cabinetId": "1",

"gridId": "1",

"userId": "1",

"userName": "admid",

"controlId": "1",

"controlCode": 1,

"controlName": "测试控制板"

}

],

"size": 20,

"rowCount": 1,

"page": 1

}

}

## 1.3工控信息查询接口

**作用**：获取工控信息

**Post请求地址**：<http://ip[:port]>/api/control/page

**参数**：

public class ControlParam {

public String code; /\* 工控编号 \*/

public String name; /\* 工控名称 \*/

public String outerIp; /\* 工控外部IP \*/

public String innerIp; /\* 工控内部IP \*/

public String location; /\* 所属区划 \*/

public int page; //当前页数(必填)

public int size; //每页条数(必填)

}

**入参示例：**

{code: null, name: null, outerIp: null, innerIp: null, remark: null, location: null, page: 1, size: 20}

**返回值：**

public class Result{

public String code; /\* 结果码 \*/

public String msg; /\* 信息描述 \*/

public Page<Control> data; /\* 返回的数据 \*/

}

public class Page<Control> {  
 public List<Control> dataList; /\* 数据列表 \*/  
 public int size; /\* 每页记录数(页大小) \*/  
 public int rowCount;/\* 记录总数 \*/  
 public int page;/\* 当前页 \*/  
}

public class Control {  
 public Long id; /\* ID \*/  
 public Short code; /\* 编号 \*/  
 public String name; /\* 名称 \*/  
 public String outerIp; /\* 外部IP \*/  
 public String innerIp; /\* 内部IP \*/  
 public String remark; /\* 备注 \*/  
 public Long areaId; /\* 所属区划id \*/  
 public String location; /\* 所属区划 \*/  
}

**返回示例：**

{

"code": 200,

"msg": "SUCCESS",

"data": {

"dataList": [

{

"id": "1",

"code": 1,

"name": "1号工控机",

"outerIp": "192.168.1.2",

"innerIp": "192.168.0.1",

"remark": "模拟数据",

"areaId": "1",

"location": "写字楼C座"

}

],

"size": 20,

"rowCount": 1,

"page": 1

}

}

## 1.4物品柜信息查询接口

**作用：**获取物品柜信息

**Post请求地址**：<http://ip[:port]>/api/cabinet/page

**参数：**

public class CabinetParam {

public String areaId; /\* 所属区划ID \*/

public String areaName; /\* 所属区划 \*/

public String code; /\* 物品柜编号 \*/

public String name; /\* 物品柜名称 \*/

public String status; /\* 状态 \*/

public String remark; /\* 备注 \*/

public String controlCode; /\* 所属工控编号 \*/

public String controlId; /\* 所属工控ID \*/

public String controlName; /\* 所属工控名称 \*/

public int page; //当前页数(必填)

public int size; //每页条数(必填)

}

**入参示例：**

**{**

areaId: null

areaName: null

code: null

controlCode: null

controlId: null

controlName: null

name: null

page: 1

remark: null

size: 20

status: null

**}**

**返回值：**

public class Result{

public String code; /\* 结果码 \*/

public String msg; /\* 信息描述 \*/

public Page<Cabinet> data; /\* 返回的数据 \*/

}

public class Page<Cabinet> {  
 public List<Cabinet> dataList; /\* 数据列表 \*/  
 public int size; /\* 每页记录数(页大小) \*/  
 public int rowCount;/\* 记录总数 \*/  
 public int page;/\* 当前页 \*/  
}

public class Cabinet {  
 public Long id; /\* ID \*/  
 public Long controlId; /\* 归属主控 \*/  
 public Long areaId; /\* 归属区域 \*/  
 public String name; /\* 名称 \*/  
 public Short code; /\* 编号 \*/  
 public Byte status; /\* 状态 \*/  
 public String remark; /\* 备注 \*/  
 public String controlCode; /\*工控编号\*/  
 public String controlName; /\*工控名称\*/  
 public String areaName; /\*区域名称\*/  
 public GoodsBoard goodsBoard; /\*通讯板\*/  
 public List<Grid> gridList = new ArrayList<>(); /\*格子集合\*/  
}

**返回示例：**

{

"code": 200,

"msg": "SUCCESS",

"data": {

"dataList": [

{

"id": "1",

"controlId": "1",

"areaId": "1",

"name": "1号物品柜",

"code": 1,

"status": 1,

"remark": "模拟数据",

"controlCode": "1",

"controlName": "1号工控机",

"areaName": "大厅",

"goodsBoard": null,

"gridList": []

},

{

"id": "2",

"controlId": "1",

"areaId": "1",

"name": "2号物品柜",

"code": 2,

"status": 1,

"remark": "模拟数据",

"controlCode": "1",

"controlName": "1号工控机",

"areaName": "大厅",

"goodsBoard": null,

"gridList": []

}

],

"size": 20,

"rowCount": 2,

"page": 1

}

}

## 1.5物品柜格子信息查询接口

**作用**：查询物品柜格子信息

**Post请求地址：**[<http://ip[:port]>/api/grid/page](http://localhost:9000/api/grid/page)

**参数：**

public class GridParam(){  
 public String name; /\* 名称 \*/  
 public Short code; /\* 编号 \*/  
 public Byte status; /\* 格子状态 \*/  
 public String remark; /\* 备注 \*/  
 public String rfid; /\* 绑定RFID \*/  
 public Long boardId; /\* 通讯板主键 \*/  
 public String boardCode; /\*物品柜通讯板编号\*/  
 public String boardName; /\*物品柜通讯板名称\*/

public int page; //当前页数(必填)

public int size; //每页条数(必填)

}

**入参示例：**

{

boardCode: null

boardId: null

boardName: null

code: null

name: null

page: 1

remark: null

rfid: null

size: 20

status: null

}

**返回值：**

public class Result{

public String code; /\* 结果码 \*/

public String msg; /\* 信息描述 \*/

public Page<Grid> data; /\* 返回的数据 \*/

}

public class Page<Grid> {  
 public List<Grid> dataList; /\* 数据列表 \*/  
 public int size; /\* 每页记录数(页大小) \*/  
 public int rowCount;/\* 记录总数 \*/  
 public int page;/\* 当前页 \*/  
}

public class Grid {  
 public Long id; /\* 主键 \*/  
 public String name; /\* 名称 \*/  
 public Short code; /\* 编号 \*/  
 public Byte status; /\* 格子状态 \*/  
 public String remark; /\* 备注 \*/  
 public String rfid; /\* 绑定RFID \*/  
 public Long boardId; /\* 通讯板主键 \*/  
 public String boardCode; /\*物品柜通讯板编号\*/  
 public String boardName; /\*物品柜通讯板名称\*/  
}

**返回示例：**

{

"code": 200,

"msg": "SUCCESS",

"data": {

"dataList": [

{

"id": "1",

"name": "1号格子",

"code": 1,

"status": 1,

"remark": "模拟数据",

"rfid": "000001",

"boardId": "1",

"boardCode": "1",

"boardName": "物品柜通讯板1"

},

{

"id": "2",

"name": "2号格子",

"code": 2,

"status": 1,

"remark": "模拟数据",

"rfid": "000001",

"boardId": "1",

"boardCode": "1",

"boardName": "物品柜通讯板1"

}

],

"size": 20,

"rowCount": 2,

"page": 1

}

}

## 1.6物品柜物品信息查询接口

**作用**：查询物品柜物品信息

**Post请求地址：**<http://ip[:port]>/api/item/page

**参数：**

public class ItemParam {

public String name; /\* 名称 \*/

public Short code; /\* 编号 \*/

public Short type; /\* 物品类型 \*/

public String remark; /\* 备注 \*/

public int page; //当前页数(必填)

public int size; //每页条数(必填)

}

**入参示例：**

{name: null, code: null, type: null, remark: null, page: 1, size: 20}

**返回值：**

public class Result{

public String code; /\* 结果码 \*/

public String msg; /\* 信息描述 \*/

public Page<Item> data; /\* 返回的数据 \*/

}

public class Page<Item> {  
 public List<Item> dataList; /\* 数据列表 \*/  
 public int size; /\* 每页记录数(页大小) \*/  
 public int rowCount;/\* 记录总数 \*/  
 public int page;/\* 当前页 \*/  
}

public class Item {  
 public Long id; /\* ID \*/  
 public String name; /\* 名称 \*/  
 public Short code; /\* 编号 \*/  
 public Short type; /\* 物品类型 \*/  
 public String remark; /\* 备注 \*/  
}

返回示例：

{

"code": 200,

"msg": "SUCCESS",

"data": {

"dataList": [

{

"id": "1",

"name": "1号钥匙位",

"code": 1,

"type": 1,

"remark": "模拟数据"

},

{

"id": "2",

"name": "2号钥匙位",

"code": 2,

"type": 1,

"remark": "模拟数据"

}

],

"size": 20,

"rowCount": 2,

"page": 1

}

}