**WMS系统集成**

**服务接口协议**

**版本：1.0**

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**发布：杨洁**

**发布日期：2022-05-08**

# 文档控制

修改记录

|  |  |  |  |
| --- | --- | --- | --- |
| **日期** | **编写人员** | **版本** | **备注** |
| 2022-05-08 | 彭贤春 | 1.0 | 初次编写定稿 |
| 2022-05-23 | 彭贤春 | 1.3 | 根据ESB和ERP进行接口调整 |
| 2022-05-24 | 彭贤春 | 1.4 | 根据ERP反馈进行接口调整 |
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审阅记录

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| --- | --- | --- | --- |
| **日期** | **审阅人员** | **版本** | **备注** |
| 2022-05-08 | 杨洁 | 1.0 |  |
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分发记录

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| --- | --- | --- | --- | --- |
| **序号** | **日期** | **接收人员** | **版本** | **备注** |
| 1 | 2022-05-08 |  | 1.0 |  |
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一、说明

本web服务接口协议主要提供仓储系统应用的数据共享服务。

接口协议采用http协议post方式，数据采用json数据格式交互。

**服务请求地址：http://host:port/api/wms/webservice**

测试环境地址：http://192.168.188.195/pwms-app-inf/api/wms/webservice

为每个应用接入的提供：应用身份ID，应用认证码，应用加密密钥。

每个接口调用时需要传输：

1. 应用身份标识
2. 应用认证码
3. 可选请求签名，签名算法为: lower(md5(应用身份ID+data+应用加密密钥))

二、WMS系统集成Web服务接口清单

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **接口编号** | **接口名称** | **请求地址** | | **设计开发** | **功能测试** | | **应用测试** | | **发布测试** | |
| 1 | WMS\_WS\_0101 | 库存可用量查询 | **POST** | /api/wms/webservice | ◎ | |  | |  | |  | |
| 2 | WMS\_WS\_0102 | 仓库信息查询 | **POST** | /api/wms/webservice | ◎ | |  | |  | |  | |
| 3 | WMS\_WS\_0103 | 入库单新建 | **POST** | /api/wms/webservice | ◎ | |  | |  | |  | |
| 4 | WMS\_WS\_0104 | 入库单按整单回退 | **POST** | /api/wms/webservice | ◎ | |  | |  | |  | |
| 5 | WMS\_WS\_0105 | 出库单新建 | **POST** | /api/wms/webservice | ◎ | |  | |  | |  | |
| 6 | WMS\_WS\_0106 | 出库单按整单回退 | **POST** | /api/wms/webservice | ◎ | |  | |  | |  | |
| 7 | WMS\_WS\_0107 | 可用量锁库/解锁 | **POST** | /api/wms/webservice | ◎ | |  | |  | |  | |
| 8 | WMS\_WS\_0108 | 借调单新建 | **POST** | /api/wms/webservice | ◎ | |  | |  | |  | |
| 9 | WMS\_WS\_0109 | 借调归还单新建 | **POST** | /api/wms/webservice | ◎ | |  | |  | |  | |
| 10 | WMS\_WS\_0110 | 借调不归还单新建 | **POST** | /api/wms/webservice | ◎ | |  | |  | |  | |
| 11 | WMS\_WS\_0111 | 调整单新建 | **POST** | /api/wms/webservice |  | |  | |  | |  | |
| 12 | WMS\_WS\_0112 | 移库单新建 | **POST** | /api/wms/webservice |  | |  | |  | |  | |
| 13 | WMS\_WS\_0113 | 生码请求服务 | **POST** | /api/wms/webservice | ◎ | |  | |  | |  | |
| 14 | WMS\_WS\_0114 | 入库单按行查询 | **POST** | /api/wms/webservice | ◎ | |  | |  | |  | |
| 15 | WMS\_WS\_0115 | 出库单按行查询 | **POST** | /api/wms/webservice | ◎ | |  | |  | |  | |
|  |  |  |  |  |  | |  | |  | |  | |

三、接口定义

# 统一报文格式定义

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** |  |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | requestType | | 请求接口编号 | String | 必填，参见接口编号 | |
|  | requestId | | 请求唯一码 | String | 必填，UUID，为防止重复请求 | |
|  | requestTime | | 请求时间戳 | String | 必填，格式：2022-05-21 12:00:00 | |
|  | systemId | | 请求系统ID | String | 必填，枚举：MIS/ERP/CRM/OA/WMS | |
|  | userId | | 应用身份ID | String | 必填，由WMS进行分配 | |
|  | token | | 应用认证码 | String | 必填，由WMS进行分配 | |
|  | signature | | 请求签名 | String | 可选，lower(md5(应用身份ID + data + 应用加密密钥)) | |
|  | data | | 请求内容 | Map | JSON格式 | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | code | | 响应码 | String | 成功返回200 | |
|  | message | | 响应信息 | String |  | |
|  | data | | 响应内容 | Map | JSON格式 | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求报文：**  {  "requestType": "WMS\_WS\_0101",  "requestId": "adaa0060-b2b7-43bb-96d5-a7ad395b84d4",  "requestTime": "2022-05-21 12:00:00",  "systemId": "MIS",  "userId": "d0d75fcaf3ca3ed3c44cfb2484c5a4e0",  "token": "7a195efd0f6383ad9844f05e5fc6f0f020835a9d",  "signature": "4e747b2e50be5e12ebf1e0c3fe976ba1cef257ab",  "data": {}  }  **响应报文：**  {  "code": "200",  "message": "处理成功",  "data": {}  } | | | | | | |

# 库存可用量的查询接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0101 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | page | | 分页信息 | Map |  | |
|  | page.pageSize | | 每页记录数 | Integer | 默认为20 | |
|  | page.pageIndex | | 当前页 | Integer | 默认为1 | |
|  | head | | 查询条件 | Map | 必须填写 | |
|  | head.opUnitCode | | WMS组织编码 | String |  | |
|  | head.warehouseCode | | WMS仓库编码 | String |  | |
|  | head.inventDimId | | ERP维度号 | String |  | |
|  | head.inventConfigId | | ERP配置 | String | ERP维度号组成部分 | |
|  | head.inventSiteId | | ERP站点 | String | ERP维度号组成部分 | |
|  | head.inventLocationId | | ERP仓库 | String | ERP维度号组成部分 | |
|  | head.inventStorageId | | ERP库位 | String | ERP维度号组成部分 | |
|  | head.inventOrgId | | ERP组织 | String |  | |
|  | head.itemNumber | | 物料编码 | String | 必须填写 | |
|  | head.configNumber | | 配置码 | String |  | |
|  | head.agentNumber | | 客户码 | String | 客户物料编码 | |
|  | head.mainNumber | | 主机号 | String |  | |
|  | head.bomNumber | | BOM编码 | String |  | |
|  | head.poNumber | | 采购订单号 | String |  | |
|  | head.moNumber | | 生产订单号 | String |  | |
|  | head.soNumber | | 销售订单号 | String |  | |
|  | head.lotNumber | | 交易批次ID | String | ERP中的交易批次ID | |
|  | head.attribute1 | | 预留字段1 | String |  | |
|  | head.attribute2 | | 预留字段2 | String |  | |
|  | head.attribute3 | | 预留字段3 | String |  | |
|  | head.attribute4 | | 预留字段4 | String |  | |
|  | head.attribute5 | | 预留字段5 | String |  | |
|  | head.attribute6 | | 预留字段6 | String |  | |
|  | head.attribute7 | | 预留字段7 | String |  | |
|  | head.attribute8 | | 预留字段8 | String |  | |
|  | head.attribute9 | | 预留字段9 | String |  | |
|  | head.attribute10 | | 预留字段10 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | page | | 分页信息 | Map |  | |
|  | page.pageSize | | 每页记录数 | Integer |  | |
|  | page.pageIndex | | 当前页 | Integer |  | |
|  | page.totalPage | | 总页数 | Integer |  | |
|  | detail | | 明细 | Map | 必须填写 | |
|  | detail.opUnitCode | | WMS组织编码 | String |  | |
|  | detail.warehouseCode | | WMS仓库编码 | String |  | |
|  | detail.inventDimId | | ERP维度号 | String |  | |
|  | detail.inventConfigId | | ERP配置 | String | ERP维度号组成部分 | |
|  | detail.inventSiteId | | ERP站点 | String | ERP维度号组成部分 | |
|  | detail.inventLocationId | | ERP仓库 | String | ERP维度号组成部分 | |
|  | detail.inventStorageId | | ERP库位 | String | ERP维度号组成部分 | |
|  | detail.inventOrgId | | ERP组织 | String |  | |
|  | detail.itemNumber | | 物料编码 | String |  | |
|  | detail.configNumber | | 配置码 | String |  | |
|  | detail.agentNumber | | 客户码 | String |  | |
|  | detail.mainNumber | | 主机号 | String |  | |
|  | detail.bomNumber | | BOM编码 | String |  | |
|  | detail.poNumber | | 采购订单编号 | String |  | |
|  | detail.soNumber | | 销售订单编号 | String |  | |
|  | detail.lotNumber | | 交易批次ID | String | ERP中的交易批次ID | |
|  | detail.onhandQuantity | | 现有量 | BigDecimal |  | |
|  | detail.activeQuantity | | 可用量 | BigDecimal |  | |
|  | detail.unitOfMeasure | | 物料单位 | String |  | |
|  | detail.attribute1 | | 预留字段1 | String |  | |
|  | detail.attribute2 | | 预留字段2 | String |  | |
|  | detail.attribute3 | | 预留字段3 | String |  | |
|  | detail.attribute4 | | 预留字段4 | String |  | |
|  | detail.attribute5 | | 预留字段5 | String |  | |
|  | detail.attribute6 | | 预留字段6 | String |  | |
|  | detail.attribute7 | | 预留字段7 | String |  | |
|  | detail.attribute8 | | 预留字段8 | String |  | |
|  | detail.attribute9 | | 预留字段9 | String |  | |
|  | detail.attribute10 | | 预留字段10 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "page": {  "pageSize": 20,  "pageIndex": 1  },  "head": {  "opUnitCode": "",  "warehouseCode": "",  "inventDimId": "",  "inventConfigId": "",  "inventSiteId": "",  "inventLocationId": "",  "inventStorageId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "mainNumber": "",  "bomNumber": "",  "poNumber": "",  "moNumber": "",  "soNumber": "",  "lotNumber": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  }  }  **响应内容：**  {  "page": {  "pageSize": 20,  "pageIndex": 1,  "totalPage": 1  },  "detail": [  {  "opUnitCode": "",  "warehouseCode": "",  "inventDimId": "",  "inventConfigId": "",  "inventSiteId": "",  "inventLocationId": "",  "inventStorageId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "mainNumber": "",  "bomNumber": "",  "poNumber": "",  "soNumber": "",  "lotNumber": "",  "onhandQuantity": 10,  "activeQuantity": 5,  "unitOfMeasure": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  }  ]  } | | | | | | |

# 仓库信息查询接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0102 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 查询条件 | Map | 必须填写 | |
|  | head.opUnitCode | | WMS组织编码 | String |  | |
|  | head.warehouseCode | | WMS仓库编码 | String |  | |
|  | head.inventSiteId | | ERP站点 | String |  | |
|  | head.inventLocationId | | ERP仓库 | String |  | |
|  | head.attribute1 | | 预留字段1 | String |  | |
|  | head.attribute2 | | 预留字段2 | String |  | |
|  | head.attribute3 | | 预留字段3 | String |  | |
|  | head.attribute4 | | 预留字段4 | String |  | |
|  | head.attribute5 | | 预留字段5 | String |  | |
|  | head.attribute6 | | 预留字段6 | String |  | |
|  | head.attribute7 | | 预留字段7 | String |  | |
|  | head.attribute8 | | 预留字段8 | String |  | |
|  | head.attribute9 | | 预留字段9 | String |  | |
|  | head.attribute10 | | 预留字段10 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | detail | | 明细 | Map |  | |
|  | detail.opUnitCode | | WMS组织编码 | String |  | |
|  | detail.warehouseCode | | WMS仓库编码 | String |  | |
|  | detail.warehouseName | | WMS仓库名称 | String |  | |
|  | detail.province | | 省 | String |  | |
|  | detail.city | | 市 | String |  | |
|  | detail.county | | 区/县 | String |  | |
|  | detail.address | | 详细地址 | String |  | |
|  | detail.contact | | 联系人 | String |  | |
|  | detail.tel | | 联系电话 | String |  | |
|  | detail.attribute1 | | 预留字段1 | String |  | |
|  | detail.attribute2 | | 预留字段2 | String |  | |
|  | detail.attribute3 | | 预留字段3 | String |  | |
|  | detail.attribute4 | | 预留字段4 | String |  | |
|  | detail.attribute5 | | 预留字段5 | String |  | |
|  | detail.attribute6 | | 预留字段6 | String |  | |
|  | detail.attribute7 | | 预留字段7 | String |  | |
|  | detail.attribute8 | | 预留字段8 | String |  | |
|  | detail.attribute9 | | 预留字段9 | String |  | |
|  | detail.attribute10 | | 预留字段10 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "head": {  "opUnitCode": "",  "warehouseCode": "",  "inventSiteId": "",  "inventLocationId": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  }  }  **响应内容：**  {  "detail": [  {  "opUnitCode": "",  "warehouseCode": "",  "warehouseName": "",  "province": "",  "city": "",  "county": "",  "address": "",  "contact": "",  "tel": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  }  ]  } | | | | | | |

# 入库单新建接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0103 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 入库单头 | Map | 必须填写 | |
|  | head.billNumber | | 来源单号 | String | 必须填写 | |
|  | head.billType | | 来源单类型 | String | 必须填写，枚举：  PO01: 采购入库  MO01: 生产完工入库  MO02: 生产退料入库  OO01: 外协入库  OO02: 外协虚拟入库  SO01: 销售入库  SO02: 销售退货入库  SO03: 销售退库入库  SC01: 库返入库 | |
|  | head.systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | head.sourceBillNumber | | 源头单号 | String |  | |
|  | head.sourceBillType | | 源头单类型 | String | 枚举：  PO: 采购订单  MO: 生产订单  OO: 外协订单  SO: 销售订单  SE: 借调订单 | |
|  | head.sourceSystemId | | 源头系统 | String | 枚举：MIS/ERP/CRM/OA/WMS | |
|  | head.opUnitCode | | WMS组织编码 | String |  | |
|  | head.warehouseCode | | WMS仓库编码 | String |  | |
|  | head.fmOpUnitCode | | 来源WMS组织编码 | String |  | |
|  | head.fmWarehouseCode | | 来源WMS仓库编码 | String |  | |
|  | head.estimatedRcptDate | | 预计入库日期 | Date | 日期格式：2022-06-14 | |
|  | head.requiredRcptDate | | 要求到货日期 | Date | 日期格式：2022-06-14 | |
|  | head.transactionDate | | 事务处理日期 | Date | 必须填写  日期格式：2022-06-14 12:00:00 | |
|  | head.createdUser | | 制单员 | String |  | |
|  | head.comments | | 单据备注 | String |  | |
|  | head.attribute1 | | 预留字段1 | String |  | |
|  | head.attribute2 | | 预留字段2 | String |  | |
|  | head.attribute3 | | 预留字段3 | String |  | |
|  | head.attribute4 | | 预留字段4 | String |  | |
|  | head.attribute5 | | 预留字段5 | String |  | |
|  | head.attribute6 | | 预留字段6 | String |  | |
|  | head.attribute7 | | 预留字段7 | String |  | |
|  | head.attribute8 | | 预留字段8 | String |  | |
|  | head.attribute9 | | 预留字段9 | String |  | |
|  | head.attribute10 | | 预留字段10 | String |  | |
|  | detail | | 入库单明细 | Map | 必须填写 | |
|  | detail.refId | | 单据行号 | String | 必须填写 | |
|  | detail.itemNumber | | 物料编码 | String | 必须填写 | |
|  | detail.configNumber | | 配置码 | String |  | |
|  | detail.agentNumber | | 客户码 | String |  | |
|  | detail.mainNumber | | 主机号 | String |  | |
|  | detail.itemDescription | | 物料说明 | String |  | |
|  | detail.unitOfMeasure | | 物料单位 | String |  | |
|  | detail.quantity | | 到货数量 | BigDecimal | 必须填写 | |
|  | detail.bomNumber | | BOM编码 | String |  | |
|  | detail.poNumber | | 采购订单编号 | String |  | |
|  | detail.moNumber | | 生产订单号 | String |  | |
|  | detail.soNumber | | 销售订单编号 | String |  | |
|  | detail.lotNumber | | 交易批次ID | String | 必须填写 | |
|  | detail.inventDimId | | ERP维度号 | String |  | |
|  | detail.inventConfigId | | ERP配置 | String |  | |
|  | detail.inventSiteId | | ERP站点 | String | 必须填写 | |
|  | detail.inventLocationId | | ERP仓库 | String | 必须填写 | |
|  | detail.inventStorageId | | ERP库位 | String | 外仓时为客户号，必须填写 | |
|  | detail.inventOrgId | | ERP组织 | String |  | |
|  | detail.fmLotNumber | | 源ERP交易批次ID | String | 跨账套数据交换 | |
|  | detail.fmInventDimId | | 来源维度号 | String |  | |
|  | detail.fmInventConfigId | | 来源配置 | String |  | |
|  | detail.fmInventSiteId | | 来源站点 | String |  | |
|  | detail.fmInventLocationId | | 来源仓库 | String |  | |
|  | detail.fmInventStorageId | | 来源库位 | String |  | |
|  | detail.fmInventOrgId | | 来源ERP组织 | String |  | |
|  | detail.fmBillNumber | | 来源ERP单号 | String | 跨账套数据交换 | |
|  | detail.fmBillType | | 来源ERP单类型 | String | 跨账套数据交换 | |
|  | detail.vendorCode | | 供应商编号 | String |  | |
|  | detail.vendorName | | 供应商名称 | String |  | |
|  | detail.agentCode | | 客户编码 | String |  | |
|  | detail.agentName | | 客户名称 | String |  | |
|  | detail.qcName | | 质检员 | String |  | |
|  | detail.qcState | | 质检状态 | String |  | |
|  | detail.attribute11 | | 预留字段11 | String |  | |
|  | detail.attribute12 | | 预留字段12 | String |  | |
|  | detail.attribute13 | | 预留字段13 | String |  | |
|  | detail.attribute14 | | 预留字段14 | String |  | |
|  | detail.attribute15 | | 预留字段15 | String |  | |
|  | detail.attribute16 | | 预留字段16 | String |  | |
|  | detail.attribute17 | | 预留字段17 | String |  | |
|  | detail.attribute18 | | 预留字段18 | String |  | |
|  | detail.attribute19 | | 预留字段19 | String |  | |
|  | detail.attribute20 | | 预留字段20 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 入库单头 | Map | 错误时返回 | |
|  | head.billNumber | | 来源单号 | String |  | |
|  | head.billType | | 来源单类型 | String |  | |
|  | head.message | | 错误信息 | String |  | |
|  | detail | | 错误明细 | Map | 错误时返回 | |
|  | detail.refId | | 单据行号 | String |  | |
|  | detail.message | | 错误信息 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "head": {  "billNumber": "",  "billType": "",  "systemId": "",  "sourceBillNumber": "",  "sourceBillType": "",  "sourceSystemId": "",  "opUnitCode": "",  "warehouseCode": "",  "fmOpUnitCode": "",  "fmWarehouseCode": "",  "estimatedRcptDate": "",  "requiredRcptDate": "",  "transactionDate": "",  "createdUser": "",  "comments": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  },  "detail": [  {  "refId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "mainNumber": "",  "itemDescription": "",  "unitOfMeasure": "",  "quantity": 10,  "bomNumber": "",  "poNumber": "",  "moNumber": "",  "soNumber": "",  "lotNumber": "",  "inventDimId": "",  "inventConfigId": "",  "inventSiteId": "",  "inventLocationId": "",  "inventStorageId": "",  "fmLotNumber": "",  "fmInventDimId": "",  "fmInventConfigId": "",  "fmInventSiteId": "",  "fmInventLocationId": "",  "fmInventStorageId": "",  "vendorCode": "",  "vendorName": "",  "agentCode": "",  "agentName": "",  "qcName": "",  "qcState": "",  "attribute11": "",  "attribute12": "",  "attribute13": "",  "attribute14": "",  "attribute15": "",  "attribute16": "",  "attribute17": "",  "attribute18": "",  "attribute19": "",  "attribute20": ""  }  ]  }  **响应内容：**  {  "head": {  "billNumber": "",  "billType": "",  "message": ""  },  "detail": [  {  "refId": "",  "message": ""  }  ]  } | | | | | | |

# 入库单按整单回退接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0104 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 入库单头 | Map | 必须填写 | |
|  | head.billNumber | | 来源单号 | String | 必须填写 | |
|  | head.billType | | 来源单类型 | String | 必须填写，枚举：  PO01: 采购入库  MO01: 生产完工入库  MO02: 生产退料入库  OO01: 外协入库  OO02: 外协虚拟入库  SO01: 销售入库  SO02: 销售退货入库  SO03: 销售退库入库  SC01: 库返入库 | |
|  | head.systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | head.transactionDate | | 事务处理日期 | Date | 必须填写  日期格式：2022-06-14 12:00:00 | |
|  | head.reasonMessage | | 退回原因 | String |  | |
|  | head.attribute1 | | 预留字段2 | String |  | |
|  | head.attribute2 | | 预留字段2 | String |  | |
|  | head.attribute3 | | 预留字段3 | String |  | |
|  | head.attribute4 | | 预留字段4 | String |  | |
|  | head.attribute5 | | 预留字段5 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 入库单头 | Map | 必须填写 | |
|  | head.billNumber | | 来源单号 | String |  | |
|  | head.billType | | 来源单类型 | String |  | |
|  | head.message | | 错误信息 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "head": {  "billNumber": "",  "billType": "",  "systemId": "",  "transactionDate": "",  "reasonMessage": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": ""  }  }  **响应内容：**  {  "head": {  "billNumber": "",  "billType": "",  "message": ""  }  } | | | | | | |

# 出库单新建接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0105 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 出库单头 | Map | 必须填写 | |
|  | head.billNumber | | 来源单号 | String | 必须填写 | |
|  | head.billType | | 来源单类型 | String | 必须填写，枚举：  MO11: 生产领料出库  MO12: 生产超领出库  OO11: 外协虚拟出库  SO11: 销售出库  SO12: 销售备件出库  SO13: 销售代储出库  SO14: 销售实物出库  SO15: 销售退货出库  SO16: 销售调拨出库  SC11: 库返出库  SC12: 报废出库 | |
|  | head.systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | head.sourceBillNumber | | 源头单号 | String |  | |
|  | head.sourceBillType | | 源头单类型 | String | 枚举：  PO: 采购订单  MO: 生产订单  OO: 外协订单  SO: 销售订单  SE: 借调订单 | |
|  | head.sourceSystemId | | 源头系统 | String | 枚举：MIS/ERP/CRM/OA/WMS | |
|  | head.opUnitCode | | WMS组织编码 | String |  | |
|  | head.warehouseCode | | WMS仓库编码 | String |  | |
|  | head.toOpUnitCode | | 目标WMS组织编码 | String |  | |
|  | head.toWarehouseCode | | 目标WMS仓库编码 | String |  | |
|  | head.issueDate | | 预计出库日期 | Date | 日期格式：2022-06-14 | |
|  | head.needByDate | | 要求到货日期 | Date | 日期格式：2022-06-14 | |
|  | head.transactionDate | | 事务处理日期 | Date | 必须填写  日期格式：2022-06-14 12:00:00 | |
|  | head.createdUser | | 制单人 | String |  | |
|  | head.comments | | 单据备注 | String |  | |
|  | head.attribute1 | | 预留字段1 | String |  | |
|  | head.attribute2 | | 预留字段2 | String |  | |
|  | head.attribute3 | | 预留字段3 | String |  | |
|  | head.attribute4 | | 预留字段4 | String |  | |
|  | head.attribute5 | | 预留字段5 | String |  | |
|  | head.attribute6 | | 预留字段6 | String |  | |
|  | head.attribute7 | | 预留字段7 | String |  | |
|  | head.attribute8 | | 预留字段8 | String |  | |
|  | head.attribute9 | | 预留字段9 | String |  | |
|  | head.attribute10 | | 预留字段10 | String |  | |
|  | detail | | 出库单明细 | Map | 必须填写 | |
|  | detail.refId | | 单据行号 | String | 必须填写 | |
|  | detail.itemNumber | | 物料编码 | String | 必须填写 | |
|  | detail.configNumber | | 配置码 | String |  | |
|  | detail.agentNumber | | 客户码 | String |  | |
|  | detail.mainNumber | | 主机号 | String |  | |
|  | detail.itemDescription | | 物料说明 | String |  | |
|  | detail.unitOfMeasure | | 物料单位 | String |  | |
|  | detail.quantity | | 出库数量 | BigDecimal | 必须填写 | |
|  | detail.bomNumber | | BOM编码 | String |  | |
|  | detail.poNumber | | 采购订单号 | String |  | |
|  | detail.moNumber | | 生产订单号 | String |  | |
|  | detail.soNumber | | 销售订单号 | String |  | |
|  | detail.lotNumber | | 交易批次ID | String |  | |
|  | detail.inventDimId | | ERP维度号 | String |  | |
|  | detail.inventConfigId | | ERP配置 | String | 必须填写 | |
|  | detail.inventSiteId | | ERP站点 | String | 必须填写 | |
|  | detail.inventLocationId | | ERP仓库 | String | 必须填写 | |
|  | detail.inventStorageId | | ERP库位 | String | 外仓时必须填写 | |
|  | detail.inventOrgId | | ERP组织 | String |  | |
|  | detail.toLotNumber | | 目标ERP交易批次ID | String | 跨账套数据交换 | |
|  | detail.toInventDimId | | 目标维度号 | String |  | |
|  | detail.toInventConfigId | | 目标配置 | String |  | |
|  | detail.toInventSiteId | | 目标站点 | String |  | |
|  | detail.toInventLocationId | | 目标仓库 | String |  | |
|  | detail.toInventStorageId | | 目标库位 | String |  | |
|  | detail.toInventOrgId | | 目标ERP组织 | String |  | |
|  | detail.toBillNumber | | 目标ERP单据号 | String | 跨账套数据交换 | |
|  | detail.toBillType | | 目标ERP单据类型 | String | 跨账套数据交换 | |
|  | detail.attribute11 | | 预留字段11 | String |  | |
|  | detail.attribute12 | | 预留字段12 | String |  | |
|  | detail.attribute13 | | 预留字段13 | String |  | |
|  | detail.attribute14 | | 预留字段14 | String |  | |
|  | detail.attribute15 | | 预留字段15 | String |  | |
|  | detail.attribute16 | | 预留字段16 | String |  | |
|  | detail.attribute17 | | 预留字段17 | String |  | |
|  | detail.attribute18 | | 预留字段18 | String |  | |
|  | detail.attribute19 | | 预留字段19 | String |  | |
|  | detail.attribute20 | | 预留字段20 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 出库单头 | Map | 错误时返回 | |
|  | head.billNumber | | 来源单号 | String |  | |
|  | head.billType | | 来源单类型 | String |  | |
|  | head.message | | 错误信息 | String |  | |
|  | detail | | 错误明细 | Map | 错误时返回 | |
|  | detail.refId | | 单据行号 | String |  | |
|  | detail.message | | 错误信息 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "head": {  "billNumber": "",  "billType": "",  "systemId": "",  "sourceBillNumber": "",  "sourceBillType": "",  "sourceSystemId": "",  "opUnitCode": "",  "warehouseCode": "",  "toOpUnitCode": "",  "toWarehouseCode": "",  "issueDate": "",  "needByDate": "",  "transactionDate": "",  "createdUser": "",  "comments": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  },  "detail": [  {  "refId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "mainNumber": "",  "itemDescription": "",  "unitOfMeasure": "",  "quantity": 10,  "bomNumber": "",  "poNumber": "",  "moNumber": "",  "soNumber": "",  "lotNumber": "",  "inventDimId": "",  "inventConfigId": "",  "inventSiteId": "",  "inventLocationId": "",  "inventStorageId": "",  "toLotNumber": "",  "toInventDimId": "",  "toInventConfigId": "",  "toInventSiteId": "",  "toInventLocationId": "",  "toInventStorageId": "",  "attribute11": "",  "attribute12": "",  "attribute13": "",  "attribute14": "",  "attribute15": "",  "attribute16": "",  "attribute17": "",  "attribute18": "",  "attribute19": "",  "attribute20": ""  }  ]  }  **响应内容：**  {  "head": {  "billNumber": "",  "billType": "",  "message": ""  },  "detail": [  {  "refId": "",  "message": ""  }  ]  } | | | | | | |

# 出库单按整单回退接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0106 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 出库单头 | Map | 必须填写 | |
|  | head.billNumber | | 来源单号 | String | 必须填写 | |
|  | head.billType | | 来源单类型 | String | 必须填写，枚举：  MO11: 生产领料出库  MO12: 生产超领出库  OO11: 外协虚拟出库  SO11: 销售出库  SO12: 销售备件出库  SO13: 销售代储出库  SO14: 销售实物出库  SO15: 销售退货出库  SO16: 销售调拨出库  SC11: 库返出库  SC12: 报废出库 | |
|  | head.systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | head.transactionDate | | 事务处理日期 | Date | 必须填写  日期格式：2022-06-14 12:00:00 | |
|  | head.reasonMessage | | 退回原因 | String |  | |
|  | head.attribute1 | | 预留字段2 | String |  | |
|  | head.attribute2 | | 预留字段2 | String |  | |
|  | head.attribute3 | | 预留字段3 | String |  | |
|  | head.attribute4 | | 预留字段4 | String |  | |
|  | head.attribute5 | | 预留字段5 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 出库单头 | Map |  | |
|  | head.billNumber | | 来源单号 | String |  | |
|  | head.billType | | 来源单类型 | String |  | |
|  | head.message | | 错误信息 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "head": {  "billNumber": "",  "billType": "",  "systemId": "",  "transactionDate": "",  "reasonMessage": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": ""  }  }  **响应内容：**  {  "head": {  "billNumber": "",  "billType": "",  "message": ""  }  } | | | | | | |

# 可用量锁库/解锁接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0107 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | detail | | 冻结明细 | Map | 必须填写 | |
|  | detail.billNumber | | 来源单号 | String | 必须填写 | |
|  | detail.billType | | 来源单类型 | String | 必须填写，枚举：  SO11: 销售出库  SO12: 销售备件出库  SO13: 销售代储出库  SO14: 销售实物出库  SO15: 销售退货出库  SO16: 销售调拨出库  SC11: 报废出库 | |
|  | detail.systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | detail.opUnitCode | | WMS组织编码 | String |  | |
|  | detail.warehouseCode | | WMS仓库编码 | String |  | |
|  | detail.inventDimId | | ERP维度号 | String |  | |
|  | detail.inventConfigId | | ERP配置 | String | 必须填写 | |
|  | detail.inventSiteId | | ERP站点 | String | 必须填写 | |
|  | detail.inventLocationId | | ERP仓库 | String | 必须填写 | |
|  | detail.inventStorageId | | ERP库位 | String | 外仓时必须填写 | |
|  | detail.inventOrgId | | ERP组织 | String |  | |
|  | detail.actionType | | 执行的类型 | String | 必须填写，枚举：1:冻结 2:解冻 | |
|  | detail.refId | | 单据行ID | String | 必须填写 | |
|  | detail.itemNumber | | 物料编码 | String | 必须填写 | |
|  | detail.configNumber | | 配置码 | String |  | |
|  | detail.agentNumber | | 客户码 | String |  | |
|  | detail.mainNumber | | 主机号 | String |  | |
|  | detail.itemDescription | | 物料说明 | String |  | |
|  | detail.unitOfMeasure | | 物料单位 | String |  | |
|  | detail.quantity | | 执行的数量 | BigDecimal | 必须填写 | |
|  | detail.bomNumber | | BOM编码 | String |  | |
|  | detail.poNumber | | 采购订单号 | String |  | |
|  | detail.moNumber | | 生产订单号 | String |  | |
|  | detail.soNumber | | 销售订单号 | String |  | |
|  | detail.lotNumber | | 批次号 | String |  | |
|  | detail.attribute1 | | 预留字段1 | String |  | |
|  | detail.attribute2 | | 预留字段2 | String |  | |
|  | detail.attribute3 | | 预留字段3 | String |  | |
|  | detail.attribute4 | | 预留字段4 | String |  | |
|  | detail.attribute5 | | 预留字段5 | String |  | |
|  | detail.attribute6 | | 预留字段6 | String |  | |
|  | detail.attribute7 | | 预留字段7 | String |  | |
|  | detail.attribute8 | | 预留字段8 | String |  | |
|  | detail.attribute9 | | 预留字段9 | String |  | |
|  | detail.attribute10 | | 预留字段10 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | detail | | 冻结明细 | Map | 必须填写 | |
|  | detail.billNumber | | 来源单号 | String |  | |
|  | detail.billType | | 来源单类型 | String |  | |
|  | detail.refId | | 单据行号 | String |  | |
|  | detail.message | | 错误信息 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "detail": [  {  "billNumber": "",  "billType": "",  "systemId": "",  "opUnitCode": "",  "warehouseCode": "",  "actionType": "",  "refId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "itemDescription": "",  "unitOfMeasure": "",  "quantity": 10,  "bomNumber": "",  "poNumber": "",  "moNumber": "",  "soNumber": "",  "lotNumber": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  }  ]  }  **响应内容：**  {  "detail": [  {  "billNumber": "",  "billType": "",  "refId": "",  "message": ""  }  ]  } | | | | | | |

# 借调单新建接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0108 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 借调单头 | Map | 必须填写 | |
|  | head.billNumber | | 来源单号 | String | 必须填写 | |
|  | head.billType | | 来源单类型 | String | 必须填写，枚举：  SE11: 借调物资出库 | |
|  | head.systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | head.sourceBillNumber | | 源头单号 | String |  | |
|  | head.sourceBillType | | 源头单类型 | String | 枚举：  SE: 借调订单 | |
|  | head.sourceSystemId | | 源头系统 | String | 枚举：MIS/ERP/CRM/OA/WMS | |
|  | head.deptCode | | 申请组织部门编码 | String | 必须填写 | |
|  | head.deptName | | 申请组织部门名称 | String | 必须填写 | |
|  | head.mrpFlag | | 是否MRP监控 | String | 必须填写, 枚举Y:是 N:否 | |
|  | head.issueDate | | 预计出库日期 | Date | 日期格式：2022-06-14 | |
|  | head.needByDate | | 要求到货日期 | Date | 日期格式：2022-06-14 | |
|  | head.transactionDate | | 事务处理日期 | Date | 必须填写  日期格式：2022-06-14 12:00:00 | |
|  | head.createdUser | | 制单人 | String |  | |
|  | head.comments | | 单据备注 | String |  | |
|  | head.opUnitCode | | WMS组织编码 | String |  | |
|  | head.warehouseCode | | WMS仓库编码 | String |  | |
|  | head.toOpUnitCode | | 目标WMS组织编码 | String |  | |
|  | head.toWarehouseCode | | 目标WMS仓库编码 | String |  | |
|  | head.attribute1 | | 预留字段1 | String |  | |
|  | head.attribute2 | | 预留字段2 | String |  | |
|  | head.attribute3 | | 预留字段3 | String |  | |
|  | head.attribute4 | | 预留字段4 | String |  | |
|  | head.attribute5 | | 预留字段5 | String |  | |
|  | head.attribute6 | | 预留字段6 | String |  | |
|  | head.attribute7 | | 预留字段7 | String |  | |
|  | head.attribute8 | | 预留字段8 | String |  | |
|  | head.attribute9 | | 预留字段9 | String |  | |
|  | head.attribute10 | | 预留字段10 | String |  | |
|  | detail | | 借调单明细 | Map | 必须填写 | |
|  | detail.refId | | 单据行号 | String | 必须填写 | |
|  | detail.itemNumber | | 物料编码 | String | 必须填写 | |
|  | detail.configNumber | | 配置码 | String |  | |
|  | detail.agentNumber | | 客户码 | String |  | |
|  | detail.mainNumber | | 主机号 | String |  | |
|  | detail.itemDescription | | 物料说明 | String |  | |
|  | detail.unitOfMeasure | | 物料单位 | String |  | |
|  | detail.quantity | | 出库数量 | BigDecimal | 必须填写 | |
|  | detail.bomNumber | | BOM编码 | String |  | |
|  | detail.poNumber | | 采购订单号 | String |  | |
|  | detail.moNumber | | 生产订单号 | String |  | |
|  | detail.soNumber | | 销售订单号 | String |  | |
|  | detail.lotNumber | | 交易批次ID | String |  | |
|  | detail.inventDimId | | ERP维度号 | String |  | |
|  | detail.inventConfigId | | ERP配置 | String | 必须填写 | |
|  | detail.inventSiteId | | ERP站点 | String | 必须填写 | |
|  | detail.inventLocationId | | ERP仓库 | String | 必须填写 | |
|  | detail.inventStorageId | | ERP库位 | String | 外仓时必须填写 | |
|  | detail.inventOrgId | | ERP组织 | String |  | |
|  | detail.toInventDimId | | 目标维度号 | String |  | |
|  | detail.toInventConfigId | | 目标配置 | String |  | |
|  | detail.toInventSiteId | | 目标站点 | String |  | |
|  | detail.toInventLocationId | | 目标仓库 | String |  | |
|  | detail.toInventStorageId | | 目标库位 | String |  | |
|  | detail.toInventOrgId | | 目标ERP组织 | String | 跨账套时使用 | |
|  | detail.attribute11 | | 预留字段11 | String |  | |
|  | detail.attribute12 | | 预留字段12 | String |  | |
|  | detail.attribute13 | | 预留字段13 | String |  | |
|  | detail.attribute14 | | 预留字段14 | String |  | |
|  | detail.attribute15 | | 预留字段15 | String |  | |
|  | detail.attribute16 | | 预留字段16 | String |  | |
|  | detail.attribute17 | | 预留字段17 | String |  | |
|  | detail.attribute18 | | 预留字段18 | String |  | |
|  | detail.attribute19 | | 预留字段19 | String |  | |
|  | detail.attribute20 | | 预留字段20 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 借调单头 | Map | 错误时返回 | |
|  | head.billNumber | | 来源单号 | String |  | |
|  | head.billType | | 来源单类型 | String |  | |
|  | head.message | | 错误信息 | String |  | |
|  | detail | | 错误明细 | Map | 错误时返回 | |
|  | detail.refId | | 单据行号 | String |  | |
|  | detail.message | | 错误信息 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "head": {  "billNumber": "",  "billType": "",  "systemId": "",  "sourceBillNumber": "",  "sourceBillType": "",  "sourceSystemId": "",  "deptCode": "",  "deptName": "",  "mrpFlag": "",  "opUnitCode": "",  "warehouseCode": "",  "toOpUnitCode": "",  "toWarehouseCode": "",  "issueDate": "",  "needByDate": "",  "transactionDate": "",  "createdUser": "",  "comments": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  },  "detail": [  {  "refId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "mainNumber": "",  "itemDescription": "",  "unitOfMeasure": "",  "quantity": 10,  "bomNumber": "",  "poNumber": "",  "moNumber": "",  "soNumber": "",  "lotNumber": "",  "inventDimId": "",  "inventConfigId": "",  "inventSiteId": "",  "inventLocationId": "",  "inventStorageId": "",  "toInventDimId": "",  "toInventConfigId": "",  "toInventSiteId": "",  "toInventLocationId": "",  "toInventStorageId": "",  "attribute11": "",  "attribute12": "",  "attribute13": "",  "attribute14": "",  "attribute15": "",  "attribute16": "",  "attribute17": "",  "attribute18": "",  "attribute19": "",  "attribute20": ""  }  ]  }  **响应内容：**  {  "head": {  "billNumber": "",  "billType": "",  "message": ""  },  "detail": [  {  "refId": "",  "message": ""  }  ]  } | | | | | | |

# 借调归还单新建接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0109 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 归还单头 | Map | 必须填写 | |
|  | head.billNumber | | 来源单号 | String | 必须填写 | |
|  | head.billType | | 来源单类型 | String | 必须填写，枚举：  SE01: 借调归还入库 | |
|  | head.systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | head.sourceBillNumber | | 源头单号 | String |  | |
|  | head.sourceBillType | | 源头单类型 | String | 枚举：  SE: 借调订单 | |
|  | head.sourceSystemId | | 源头系统 | String | 枚举：MIS/ERP/CRM/OA/WMS | |
|  | head.deptCode | | 申请组织部门编码 | String | 必须填写 | |
|  | head.deptName | | 申请组织部门名称 | String | 必须填写 | |
|  | head.mrpFlag | | 是否MRP监控 | String | 必须填写, 枚举Y:是 N:否 | |
|  | head.orignBillNumber | | 原借调单编码 | String | 必须填写 | |
|  | head.issueDate | | 预计出库日期 | Date | 日期格式：2022-06-14 | |
|  | head.needByDate | | 要求到货日期 | Date | 日期格式：2022-06-14 | |
|  | head.transactionDate | | 事务处理日期 | Date | 必须填写  日期格式：2022-06-14 12:00:00 | |
|  | head.createdUser | | 制单人 | String |  | |
|  | head.comments | | 单据备注 | String |  | |
|  | head.opUnitCode | | WMS组织编码 | String |  | |
|  | head.warehouseCode | | WMS仓库编码 | String |  | |
|  | head.fmOpUnitCode | | 来源WMS组织编码 | String |  | |
|  | head.fmWarehouseCode | | 来源WMS仓库编码 | String |  | |
|  | head.attribute1 | | 预留字段1 | String |  | |
|  | head.attribute2 | | 预留字段2 | String |  | |
|  | head.attribute3 | | 预留字段3 | String |  | |
|  | head.attribute4 | | 预留字段4 | String |  | |
|  | head.attribute5 | | 预留字段5 | String |  | |
|  | head.attribute6 | | 预留字段6 | String |  | |
|  | head.attribute7 | | 预留字段7 | String |  | |
|  | head.attribute8 | | 预留字段8 | String |  | |
|  | head.attribute9 | | 预留字段9 | String |  | |
|  | head.attribute10 | | 预留字段10 | String |  | |
|  | detail | | 归还单明细 | Map | 必须填写 | |
|  | detail.refId | | 单据行号 | String | 必须填写 | |
|  | detail.orignRefId | | 原借调单行ID | String | 必须填写 | |
|  | detail.itemNumber | | 物料编码 | String | 必须填写 | |
|  | detail.configNumber | | 配置码 | String |  | |
|  | detail.agentNumber | | 客户码 | String |  | |
|  | detail.mainNumber | | 主机号 | String |  | |
|  | detail.itemDescription | | 物料说明 | String |  | |
|  | detail.unitOfMeasure | | 物料单位 | String |  | |
|  | detail.quantity | | 出库数量 | BigDecimal | 必须填写 | |
|  | detail.bomNumber | | BOM编码 | String |  | |
|  | detail.poNumber | | 采购订单号 | String |  | |
|  | detail.moNumber | | 生产订单号 | String |  | |
|  | detail.soNumber | | 销售订单号 | String |  | |
|  | detail.lotNumber | | 交易批次ID | String |  | |
|  | detail.inventDimId | | ERP维度号 | String |  | |
|  | detail.inventConfigId | | ERP配置 | String | 必须填写 | |
|  | detail.inventSiteId | | ERP站点 | String | 必须填写 | |
|  | detail.inventLocationId | | ERP仓库 | String | 必须填写 | |
|  | detail.inventStorageId | | ERP库位 | String | 外仓时必须填写 | |
|  | detail.inventOrgId | | ERP组织 | String |  | |
|  | detail.fmInventDimId | | 来源维度号 | String |  | |
|  | detail.fmInventConfigId | | 来源配置 | String |  | |
|  | detail.fmInventSiteId | | 来源站点 | String |  | |
|  | detail.fmInventLocationId | | 来源仓库 | String |  | |
|  | detail.fmInventStorageId | | 来源库位 | String |  | |
|  | detail.fmInventOrgId | | 来源ERP组织 | String |  | |
|  | detail.attribute11 | | 预留字段11 | String |  | |
|  | detail.attribute12 | | 预留字段12 | String |  | |
|  | detail.attribute13 | | 预留字段13 | String |  | |
|  | detail.attribute14 | | 预留字段14 | String |  | |
|  | detail.attribute15 | | 预留字段15 | String |  | |
|  | detail.attribute16 | | 预留字段16 | String |  | |
|  | detail.attribute17 | | 预留字段17 | String |  | |
|  | detail.attribute18 | | 预留字段18 | String |  | |
|  | detail.attribute19 | | 预留字段19 | String |  | |
|  | detail.attribute20 | | 预留字段20 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 归还单头 | Map | 错误时返回 | |
|  | head.billNumber | | 来源单号 | String |  | |
|  | head.billType | | 来源单类型 | String |  | |
|  | head.message | | 错误信息 | String |  | |
|  | detail | | 错误明细 | Map | 错误时返回 | |
|  | detail.refId | | 单据行号 | String |  | |
|  | detail.message | | 错误信息 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "head": {  "billNumber": "",  "billType": "",  "systemId": "",  "sourceBillNumber": "",  "sourceBillType": "",  "sourceSystemId": "",  "deptCode": "",  "deptName": "",  "mrpFlag": "",  "orignBillNumber": "",  "opUnitCode": "",  "warehouseCode": "",  "toOpUnitCode": "",  "toWarehouseCode": "",  "issueDate": "",  "needByDate": "",  "transactionDate": "",  "createdUser": "",  "comments": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  },  "detail": [  {  "refId": "",  "orignRefId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "mainNumber": "",  "itemDescription": "",  "unitOfMeasure": "",  "quantity": 10,  "bomNumber": "",  "poNumber": "",  "moNumber": "",  "soNumber": "",  "lotNumber": "",  "inventDimId": "",  "inventConfigId": "",  "inventSiteId": "",  "inventLocationId": "",  "inventStorageId": "",  "toInventDimId": "",  "toInventConfigId": "",  "toInventSiteId": "",  "toInventLocationId": "",  "toInventStorageId": "",  "attribute11": "",  "attribute12": "",  "attribute13": "",  "attribute14": "",  "attribute15": "",  "attribute16": "",  "attribute17": "",  "attribute18": "",  "attribute19": "",  "attribute20": ""  }  ]  }  **响应内容：**  {  "head": {  "billNumber": "",  "billType": "",  "message": ""  },  "detail": [  {  "refId": "",  "message": ""  }  ]  } | | | | | | |

# 借调不归还单新建接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0110 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 不归还单头 | Map | 必须填写 | |
|  | head.billNumber | | 来源单号 | String | 必须填写 | |
|  | head.billType | | 来源单类型 | String | 必须填写，枚举：  SE12: 借调账务出库 | |
|  | head.systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | head.sourceBillNumber | | 源头单号 | String |  | |
|  | head.sourceBillType | | 源头单类型 | String | 枚举：  SE: 借调订单 | |
|  | head.sourceSystemId | | 源头系统 | String | 枚举：MIS/ERP/CRM/OA/WMS | |
|  | head.deptCode | | 申请组织部门编码 | String | 必须填写 | |
|  | head.deptName | | 申请组织部门名称 | String | 必须填写 | |
|  | head.mrpFlag | | 是否MRP监控 | String | 必须填写, 枚举Y:是 N:否 | |
|  | head.orignBillNumber | | 原借调单编码 | String | 必须填写 | |
|  | head.issueDate | | 预计出库日期 | Date | 日期格式：2022-06-14 | |
|  | head.needByDate | | 要求到货日期 | Date | 日期格式：2022-06-14 | |
|  | head.transactionDate | | 事务处理日期 | Date | 必须填写  日期格式：2022-06-14 12:00:00 | |
|  | head.createdUser | | 制单人 | String |  | |
|  | head.comments | | 单据备注 | String |  | |
|  | head.opUnitCode | | WMS组织编码 | String |  | |
|  | head.warehouseCode | | WMS仓库编码 | String |  | |
|  | head.toOpUnitCode | | 目标WMS组织编码 | String |  | |
|  | head.toWarehouseCode | | 目标WMS仓库编码 | String |  | |
|  | head.attribute1 | | 预留字段1 | String |  | |
|  | head.attribute2 | | 预留字段2 | String |  | |
|  | head.attribute3 | | 预留字段3 | String |  | |
|  | head.attribute4 | | 预留字段4 | String |  | |
|  | head.attribute5 | | 预留字段5 | String |  | |
|  | head.attribute6 | | 预留字段6 | String |  | |
|  | head.attribute7 | | 预留字段7 | String |  | |
|  | head.attribute8 | | 预留字段8 | String |  | |
|  | head.attribute9 | | 预留字段9 | String |  | |
|  | head.attribute10 | | 预留字段10 | String |  | |
|  | detail | | 出库单明细 | Map | 必须填写 | |
|  | detail.refId | | 单据行号 | String | 必须填写 | |
|  | detail.orignRefId | | 原借调单行ID | String | 必须填写 | |
|  | detail.itemNumber | | 物料编码 | String | 必须填写 | |
|  | detail.configNumber | | 配置码 | String |  | |
|  | detail.agentNumber | | 客户码 | String |  | |
|  | detail.mainNumber | | 主机号 | String |  | |
|  | detail.itemDescription | | 物料说明 | String |  | |
|  | detail.unitOfMeasure | | 物料单位 | String |  | |
|  | detail.quantity | | 出库数量 | BigDecimal | 必须填写 | |
|  | detail.bomNumber | | BOM编码 | String |  | |
|  | detail.poNumber | | 采购订单号 | String |  | |
|  | detail.moNumber | | 生产订单号 | String |  | |
|  | detail.soNumber | | 销售订单号 | String |  | |
|  | detail.lotNumber | | 交易批次ID | String |  | |
|  | detail.inventDimId | | ERP维度号 | String |  | |
|  | detail.inventConfigId | | ERP配置 | String | 必须填写 | |
|  | detail.inventSiteId | | ERP站点 | String | 必须填写 | |
|  | detail.inventLocationId | | ERP仓库 | String | 必须填写 | |
|  | detail.inventStorageId | | ERP库位 | String | 外仓时必须填写 | |
|  | detail.inventOrgId | | ERP组织 | String |  | |
|  | detail.toInventDimId | | 目标维度号 | String |  | |
|  | detail.toInventConfigId | | 目标配置 | String |  | |
|  | detail.toInventSiteId | | 目标站点 | String |  | |
|  | detail.toInventLocationId | | 目标仓库 | String |  | |
|  | detail.toInventStorageId | | 目标库位 | String |  | |
|  | detail.toInventOrgId | | 目标ERP组织 | String |  | |
|  | detail.attribute11 | | 预留字段11 | String |  | |
|  | detail.attribute12 | | 预留字段12 | String |  | |
|  | detail.attribute13 | | 预留字段13 | String |  | |
|  | detail.attribute14 | | 预留字段14 | String |  | |
|  | detail.attribute15 | | 预留字段15 | String |  | |
|  | detail.attribute16 | | 预留字段16 | String |  | |
|  | detail.attribute17 | | 预留字段17 | String |  | |
|  | detail.attribute18 | | 预留字段18 | String |  | |
|  | detail.attribute19 | | 预留字段19 | String |  | |
|  | detail.attribute20 | | 预留字段20 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 不归还单头 | Map | 错误时返回 | |
|  | head.billNumber | | 来源单号 | String |  | |
|  | head.billType | | 来源单类型 | String |  | |
|  | head.message | | 错误信息 | String |  | |
|  | detail | | 错误明细 | Map | 错误时返回 | |
|  | detail.refId | | 单据行号 | String |  | |
|  | detail.message | | 错误信息 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "head": {  "billNumber": "",  "billType": "",  "systemId": "",  "sourceBillNumber": "",  "sourceBillType": "",  "sourceSystemId": "",  "deptCode": "",  "deptName": "",  "mrpFlag": "",  "orignBillNumber": "",  "opUnitCode": "",  "toOpUnitCode": "",  "toWarehouseCode": "",  "issueDate": "",  "needByDate": "",  "transactionDate": "",  "createdUser": "",  "comments": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  },  "detail": [  {  "refId": "",  "orignRefId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "mainNumber": "",  "itemDescription": "",  "unitOfMeasure": "",  "quantity": 10,  "bomNumber": "",  "poNumber": "",  "moNumber": "",  "soNumber": "",  "lotNumber": "",  "warehouseCode": "",  "inventDimId": "",  "inventConfigId": "",  "inventSiteId": "",  "inventLocationId": "",  "inventStorageId": "",  "toInventDimId": "",  "toInventConfigId": "",  "toInventSiteId": "",  "toInventLocationId": "",  "toInventStorageId": "",  "attribute11": "",  "attribute12": "",  "attribute13": "",  "attribute14": "",  "attribute15": "",  "attribute16": "",  "attribute17": "",  "attribute18": "",  "attribute19": "",  "attribute20": ""  }  ]  }  **响应内容：**  {  "head": {  "billNumber": "",  "billType": "",  "message": ""  },  "detail": [  {  "refId": "",  "message": ""  }  ]  } | | | | | | |

# 调整单新建接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0111 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 调整单头 | Map | 必须填写 | |
|  | head.billNumber | | 上位系统单号 | String | 必须填写 | |
|  | head.opUnitCode | | 组织编码 | String | 必须填写 | |
|  | head.docType | | 来源单据类型 | String | 必须填写 | |
|  | head.sourceDocNumber | | 来源单据号 | String |  | |
|  | head.warehouseCode | | 仓库编码 | String | 必须填写 | |
|  | head.orignBillNumber | | 原盘点单号 | String | 必须填写 | |
|  | head.issueDate | | 预计调整日期 | Date | 日期格式：2022-06-14 | |
|  | head.transactionDate | | 事务处理日期 | Date | 必须填写  日期格式：2022-06-14 12:00:00 | |
|  | head.createdUser | | 用户名称 | String |  | |
|  | head.comments | | 单据备注 | String |  | |
|  | head.attribute1 | | 预留字段1 | String |  | |
|  | head.attribute2 | | 预留字段2 | String |  | |
|  | head.attribute3 | | 预留字段3 | String |  | |
|  | head.attribute4 | | 预留字段4 | String |  | |
|  | head.attribute5 | | 预留字段5 | String |  | |
|  | head.attribute6 | | 预留字段6 | String |  | |
|  | head.attribute7 | | 预留字段7 | String |  | |
|  | head.attribute8 | | 预留字段8 | String |  | |
|  | head.attribute9 | | 预留字段9 | String |  | |
|  | head.attribute10 | | 预留字段10 | String |  | |
|  | detail | | 单据明细 | Map | 必须填写 | |
|  | detail.refId | | 单据行号 | String | 必须填写 | |
|  | detail.itemNumber | | 物料编码 | String | 必须填写 | |
|  | detail.configNumber | | 配置码 | String |  | |
|  | detail.agentNumber | | 客户码 | String |  | |
|  | detail.mainNumber | | 主机号 | String |  | |
|  | detail.itemDescription | | 物料说明 | String | 必须填写 | |
|  | detail.unitOfMeasure | | 物料单位 | String | 必须填写 | |
|  | detail.quantity | | 调整数量 | BigDecimal | 必须填写 | |
|  | detail.orignRefId | | 原盘点单行ID | String | 必须填写 | |
|  | detail.bomNumber | | BOM编码 | String |  | |
|  | detail.poNumber | | 采购订单编号 | String |  | |
|  | detail.soNumber | | 销售订单编号 | String |  | |
|  | detail.lotNumber | | 批次号 | String |  | |
|  | detail.attribute11 | | 预留字段11 | String |  | |
|  | detail.attribute12 | | 预留字段12 | String |  | |
|  | detail.attribute13 | | 预留字段13 | String |  | |
|  | detail.attribute14 | | 预留字段14 | String |  | |
|  | detail.attribute15 | | 预留字段15 | String |  | |
|  | detail.attribute16 | | 预留字段16 | String |  | |
|  | detail.attribute17 | | 预留字段17 | String |  | |
|  | detail.attribute18 | | 预留字段18 | String |  | |
|  | detail.attribute19 | | 预留字段19 | String |  | |
|  | detail.attribute20 | | 预留字段20 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | detail | | 错误详情 | Map |  | |
|  | detail.refId | | 单据行号 | String |  | |
|  | detail.message | | 错误信息 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "userid": "testuser",  "systemid": "OA",  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJwYXNzd29yZCI6InNhQHRlc3QxMjMiLCJleHAiOjE2NTIwNjQ5MzYsInVzZXJuYW1lIjoidGVzdHVlc3IifQ.9G8xQE9U\_FmqfN0VZkTxQWg1rKty9oCcbd8cetbfj0U",  "head": {  "billNumber": "",  "opUnitCode": "",  "docType": "",  "sourceDocNumber": "",  "warehouseCode": "",  "orignBillNumber": "",  "issueDate": "",  "transactionDate": "",  "createdUser": "",  "comments": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  },  "detail": [  {  "refId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "mainNumber": "",  "itemDescription": "",  "unitOfMeasure": "",  "quantity": "",  "orignRefId": "",  "bomNumber": "",  "poNumber": "",  "soNumber": "",  "lotNumber": "",  "gweightUnit": "",  "volumeUnit": "",  "nweightUnit": "",  "attribute11": "",  "attribute12": "",  "attribute13": "",  "attribute14": "",  "attribute15": "",  "attribute16": "",  "attribute17": "",  "attribute18": "",  "attribute19": "",  "attribute20": ""  }  ]  }  **响应内容：**  {  "code": "200",  "message": "Success",  "detail": [  {  "refId": "",  "message": ""  }  ]  } | | | | | | |

# 移库单新建接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0112 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | userid | | 请求用户ID | String | 必须填写 | |
|  | systemid | | 请求系统ID | String | 必须填写 | |
|  | token | | 接口认证码 | String | 必须填写 | |
|  | head | | 移库单头 | Map | 必须填写 | |
|  | head.billNumber | | 上位系统单号 | String | 必须填写 | |
|  | head.opUnitCode | | 组织编码 | String | 必须填写 | |
|  | head.docType | | 来源单据类型 | String | 必须填写 | |
|  | head.sourceDocNumber | | 来源单据号 | String |  | |
|  | head.warehouseCode | | 仓库编码 | String | 必须填写 | |
|  | head.issueDate | | 预计出库日期 | Date |  | |
|  | head.transactionDate | | 事务处理日期 | Date | 必须填写 | |
|  | head.createdUser | | 用户名称 | String |  | |
|  | head.comments | | 单据备注 | String |  | |
|  |  | | 来源维度号 | String | 如果能给到维度号，则不需要下面具体维度字段 | |
|  |  | | 来源配置 |  | ERP中的配置，属于维度号对应的组成内容 | |
|  |  | | 来源站点 |  | ERP中的仓库，属于维度号对应的组成内容 | |
|  |  | | 来源仓库 |  | ERP中的仓库，属于维度号对应的组成内容 | |
|  |  | | 来源库位 |  | ERP中的库位，属于维度号对应的组成内容 | |
|  |  | | 目标维度号 | String | 如果能给到维度号，则不需要下面具体维度字段 | |
|  |  | | 目标配置 |  | ERP中的配置，属于维度号对应的组成内容 | |
|  |  | | 目标站点 |  | ERP中的仓库，属于维度号对应的组成内容 | |
|  |  | | 目标仓库 |  | ERP中的仓库，属于维度号对应的组成内容 | |
|  |  | | 目标库位 |  | ERP中的库位，属于维度号对应的组成内容 | |
|  | head.attribute1 | | 预留字段1 | String |  | |
|  | head.attribute2 | | 预留字段2 | String |  | |
|  | head.attribute3 | | 预留字段3 | String |  | |
|  | head.attribute4 | | 预留字段4 | String |  | |
|  | head.attribute5 | | 预留字段5 | String |  | |
|  | head.attribute6 | | 预留字段6 | String |  | |
|  | head.attribute7 | | 预留字段7 | String |  | |
|  | head.attribute8 | | 预留字段8 | String |  | |
|  | head.attribute9 | | 预留字段9 | String |  | |
|  | head.attribute10 | | 预留字段10 | String |  | |
|  | detail | | 单据明细 | Map | 必须填写 | |
|  | detail.refId | | 单据行号 | String | 必须填写 | |
|  | detail.itemNumber | | 物料编码 | String | 必须填写 | |
|  | detail.configNumber | | 配置码 | String |  | |
|  | detail.agentNumber | | 客户码 | String |  | |
|  | detail.mainNumber | | 主机号 | String |  | |
|  | detail.itemDescription | | 物料说明 | String | 必须填写 | |
|  | detail.unitOfMeasure | | 物料单位 | String | 必须填写 | |
|  | detail.quantity | | 移库数量 | BigDecimal | 必须填写 | |
|  | detail.fromLocation | | 原始库位 | String | 必须填写 | |
|  | detail.targetLocation | | 目标库位 | String | 必须填写 | |
|  | detail.bomNumber | | BOM编码 | String |  | |
|  | detail.poNumber | | 采购订单编号 | String |  | |
|  | detail.soNumber | | 销售订单编号 | String |  | |
|  | detail.lotNumber | | 批次号 | String |  | |
|  | detail.attribute11 | | 预留字段11 | String |  | |
|  | detail.attribute12 | | 预留字段12 | String |  | |
|  | detail.attribute13 | | 预留字段13 | String |  | |
|  | detail.attribute14 | | 预留字段14 | String |  | |
|  | detail.attribute15 | | 预留字段15 | String |  | |
|  | detail.attribute16 | | 预留字段16 | String |  | |
|  | detail.attribute17 | | 预留字段17 | String |  | |
|  | detail.attribute18 | | 预留字段18 | String |  | |
|  | detail.attribute19 | | 预留字段19 | String |  | |
|  | detail.attribute20 | | 预留字段20 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | code | | 返回码 | String | 成功返回200，否则返回其他 | |
|  | message | | 返回信息 | String |  | |
|  | detail | | 错误详情 | Map |  | |
|  | detail.refId | | 单据行号 | String |  | |
|  | detail.message | | 错误信息 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "userid": "testuser",  "systemid": "OA",  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJwYXNzd29yZCI6InNhQHRlc3QxMjMiLCJleHAiOjE2NTIwNjQ5MzYsInVzZXJuYW1lIjoidGVzdHVlc3IifQ.9G8xQE9U\_FmqfN0VZkTxQWg1rKty9oCcbd8cetbfj0U",  "head": {  "billNumber": "",  "opUnitCode": "",  "docType": "",  "sourceDocNumber": "",  "warehouseCode": "",  "issueDate": "",  "transactionDate": "",  "createdUser": "",  "comments": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  },  "detail": [  {  "refId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "mainNumber": "",  "itemDescription": "",  "unitOfMeasure": "",  "quantity": "",  "fromLocation": "",  "targetLocation": "",  "bomNumber": "",  "poNumber": "",  "soNumber": "",  "lotNumber": "",  "gweightUnit": "",  "volumeUnit": "",  "nweightUnit": "",  "attribute11": "",  "attribute12": "",  "attribute13": "",  "attribute14": "",  "attribute15": "",  "attribute16": "",  "attribute17": "",  "attribute18": "",  "attribute19": "",  "attribute20": ""  }  ]  }  **响应内容：**  {  "code": "200",  "message": "Success",  "detail": [  {  "refId": "",  "message": ""  }  ]  } | | | | | | |

# 生码请求服务接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0113 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | detail | | 出库单明细 | Map | 必须填写 | |
|  | detail.billNumber | | 来源单号 | String | 必须填写 | |
|  | detail.billType | | 来源单类型 | String | 必须填写，枚举：  PO: 采购订单  MO: 生产订单  OO: 外协订单  SO: 销售订单  SE: 借调订单 | |
|  | detail.systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | detail.opUnitCode | | 组织编码 | String |  | |
|  | detail.refId | | 单据行ID | String | 必须填写 | |
|  | detail.itemNumber | | 物料编码 | String | 必须填写 | |
|  | detail.configNumber | | 配置码 | String |  | |
|  | detail.agentNumber | | 客户码 | String |  | |
|  | detail.quantity | | 数量 | BigDecimal | 必须填写 | |
|  | detail.lotNumber | | 批号 | String | 必须填写 | |
|  | detail.lotDate | | 批号日期 | Date | 必须填写 | |
|  | detail.transactionDate | | 事务处理日期 | Date | 必须填写 | |
|  | detail.attribute1 | | 预留字段1 | String |  | |
|  | detail.attribute2 | | 预留字段2 | String |  | |
|  | detail.attribute3 | | 预留字段3 | String |  | |
|  | detail.attribute4 | | 预留字段4 | String |  | |
|  | detail.attribute5 | | 预留字段5 | String |  | |
|  | detail.attribute6 | | 预留字段6 | String |  | |
|  | detail.attribute7 | | 预留字段7 | String |  | |
|  | detail.attribute8 | | 预留字段8 | String |  | |
|  | detail.attribute9 | | 预留字段9 | String |  | |
|  | detail.attribute10 | | 预留字段10 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | detail | | 出库单明细 | Map | 必须填写 | |
|  | detail.refId | | 单据行ID | String |  | |
|  | detail.barCode | | 条码 | String |  | |
|  | detail.attribute1 | | 预留字段1 | String |  | |
|  | detail.attribute2 | | 预留字段2 | String |  | |
|  | detail.attribute3 | | 预留字段3 | String |  | |
|  | detail.attribute4 | | 预留字段4 | String |  | |
|  | detail.attribute5 | | 预留字段5 | String |  | |
|  | detail.attribute6 | | 预留字段6 | String |  | |
|  | detail.attribute7 | | 预留字段7 | String |  | |
|  | detail.attribute8 | | 预留字段8 | String |  | |
|  | detail.attribute9 | | 预留字段9 | String |  | |
|  | detail.attribute10 | | 预留字段10 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/ws0113  **请求内容：**  {  "detail": [  {  "billNumber": "",  "billType": "",  "systemId": "",  "opUnitCode": "",  "refId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "quantity": "",  "lotNumber": "",  "lotDate": "",  "transactionDate": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  }  ]  }  **响应内容：**  {  "detail": [  {  "refId": "",  "barCode": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  }  ]  } | | | | | | |

# 入库单按行查询接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0114 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 入库单头 | Map | 必须填写 | |
|  | head.billNumber | | 来源单号 | String | 必须填写 | |
|  | head.billType | | 来源单类型 | String | 必须填写，枚举：  PO01: 采购入库  MO01: 生产完工入库  MO02: 生产退料入库  OO01: 外协入库  OO02: 外协虚拟入库  SO01: 销售入库  SO02: 销售退货入库  SO03: 销售退库入库  SC01: 库返入库 | |
|  | head.systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | detail | | 入库单明细 | Map |  | |
|  | detail.refId | | 单据行号 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 入库单头 | Map |  | |
|  | head.billNumber | | 来源单号 | String |  | |
|  | head.billType | | 来源单类型 | String |  | |
|  | head.message | | 错误信息 | String | 头信息错误时有值 | |
|  | detail | | 错误明细 | Map |  | |
|  | detail.refId | | 单据行号 | String |  | |
|  | detail.quantity | | 计划数量 | BigDecimal |  | |
|  | detail.rcvQty | | 收货数量 | BigDecimal |  | |
|  | detail.paQty | | 上架数量 | BigDecimal |  | |
|  | detail.message | | 错误信息 | String | 行信息错误时有值 | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "head": {  "billNumber": "",  "billType": "",  "systemId": ""  },  "detail": [  {  "refId": ""  }  ]  }  **响应内容：**  {  "head": {  "billNumber": "",  "billType": "",  "message": ""  },  "detail": [  {  "refId": "",  "quantity": 10,  "rcvQty": 5,  "paQty": 5,  "message": ""  }  ]  } | | | | | | |

# 出库单新建接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **服务接口地址** | **POST** | http://host:port/api/wms/webservice | | | **编号** | WMS\_WS\_0115 |
| **请求参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 出库单头 | Map | 必须填写 | |
|  | head.billNumber | | 来源单号 | String | 必须填写 | |
|  | head.billType | | 来源单类型 | String | 必须填写，枚举：  MO11: 生产领料出库  MO12: 生产超领出库  OO11: 外协虚拟出库  SO11: 销售出库  SO12: 销售备件出库  SO13: 销售代储出库  SO14: 销售实物出库  SO15: 销售退货出库  SO16: 销售调拨出库  SC11: 库返出库  SC12: 报废出库 | |
|  | head.systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | detail | | 出库单明细 | Map |  | |
|  | detail.refId | | 单据行号 | String |  | |
| **响应参数** | **参数** | | **参数说明** | **参数类型** | **数据说明** | |
|  | head | | 出库单头 | Map |  | |
|  | head.billNumber | | 来源单号 | String |  | |
|  | head.billType | | 来源单类型 | String |  | |
|  | head.message | | 错误信息 | String | 头信息错误时有值 | |
|  | detail | | 错误明细 | Map |  | |
|  | detail.refId | | 单据行号 | String |  | |
|  | detail.quantity | | 计划数量 | BigDecimal |  | |
|  | detail.alQty | | 分配数量 | BigDecimal |  | |
|  | detail.pkQty | | 拣货数量 | BigDecimal |  | |
|  | detail.soQty | | 出库数量 | BigDecimal |  | |
|  | detail.message | | 错误信息 | String | 行信息错误时有值 | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "head": {  "billNumber": "",  "billType": "",  "systemId": ""  },  "detail": [  {  "refId": ""  }  ]  }  **响应内容：**  {  "head": {  "billNumber": "",  "billType": "",  "message": ""  },  "detail": [  {  "refId": "",  "quantity": 10,  "alQty": 5,  "pkQty": 5,  "soQty": 5,  "message": ""  }  ]  } | | | | | | |

# 枚举信息

|  |  |  |
| --- | --- | --- |
| 来源系统 | MIS | MIS |
| ERP | ERP |
| CRM | CRM |
| OA | OA |
| WMS | WMS |
| 来源单类型 | PO01 | 采购入库 |
| MO01 | 生产完工入库 |
| MO02 | 生产退料入库 |
| OO01 | 外协入库 |
| OO02 | 外协虚拟入库 |
| SO01 | 销售入库 |
| SO02 | 销售退货入库 |
| SO03 | 销售退库入库 |
| SE01 | 借调归还入库 |
| SC01 | 库返入库 |
| MO11 | 生产领料出库 |
| MO12 | 生产超领出库 |
| OO11 | 外协虚拟出库 |
| SO11 | 销售出库 |
| SO12 | 销售备件出库 |
| SO13 | 销售代储出库 |
| SO14 | 销售实物出库 |
| SO15 | 销售退货出库 |
| SO16 | 销售调拨出库 |
| SE11 | 借调物资出库 |
| SE12 | 借调账务出库 |
| SC11 | 库返出库 |
| SC12 | 报废出库 |
| 源头单类型 | PO | 采购订单 |
| MO | 生产订单 |
| OO | 外协订单 |
| SO | 销售订单 |
| SE | 借调订单 |
| 是否MRP监控 | Y | 是 |
| N | 否 |
| 质检状态 | 00 | 未质检 |
| 20 | 质检通过 |
| 30 | 质检未通过 |