**WMS系统集成**

**服务接口协议**

**版本：1.0**

**编制：彭贤春**

**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 |
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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。

**测试环境服务请求地址：http://host:port/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 | 借调出库单新建 | **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 |  | |  | |  | |  | |
|  |  |  |  |  |  | |  | |  | |  | |

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 | |
|  | 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 | String | 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 | String | 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** | |
|  | opUnitCode | | WMS组织编码 | String |  | |
|  | warehouseCode | | WMS仓库编码 | String |  | |
|  | inventDimId | | ERP维度号 | String |  | |
|  | inventConfigId | | ERP配置 | String | ERP维度号组成部分 | |
|  | inventSiteId | | ERP站点 | String | ERP维度号组成部分 | |
|  | inventLocationId | | ERP仓库 | String | ERP维度号组成部分 | |
|  | inventStorageId | | ERP库位 | String | ERP维度号组成部分 | |
|  | itemNumber | | 物料编码 | String | 必须填写 | |
|  | configNumber | | 配置码 | String |  | |
|  | agentNumber | | 客户码 | String |  | |
|  | mainNumber | | 主机号 | String |  | |
|  | bomNumber | | BOM编码 | String |  | |
|  | poNumber | | 采购订单号 | String |  | |
|  | moNumber | | 生产订单号 | String |  | |
|  | soNumber | | 销售订单号 | String |  | |
|  | lotNumber | | 交易批次ID | String | ERP中的交易批次ID | |
|  | attribute1 | | 预留字段1 | String |  | |
|  | attribute2 | | 预留字段2 | String |  | |
|  | attribute3 | | 预留字段3 | String |  | |
|  | attribute4 | | 预留字段4 | String |  | |
|  | attribute5 | | 预留字段5 | String |  | |
|  | attribute6 | | 预留字段6 | String |  | |
|  | attribute7 | | 预留字段7 | String |  | |
|  | attribute8 | | 预留字段8 | String |  | |
|  | attribute9 | | 预留字段9 | String |  | |
|  | 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** | |
|  | opUnitCode | | WMS组织编码 | String |  | |
|  | warehouseCode | | WMS仓库编码 | String |  | |
|  | inventDimId | | ERP维度号 | String |  | |
|  | inventConfigId | | ERP配置 | String | ERP维度号组成部分 | |
|  | inventSiteId | | ERP站点 | String | ERP维度号组成部分 | |
|  | inventLocationId | | ERP仓库 | String | ERP维度号组成部分 | |
|  | inventStorageId | | ERP库位 | String | ERP维度号组成部分 | |
|  | itemNumber | | 物料编码 | String |  | |
|  | configNumber | | 配置码 | String |  | |
|  | agentNumber | | 客户码 | String |  | |
|  | mainNumber | | 主机号 | String |  | |
|  | bomNumber | | BOM编码 | String |  | |
|  | poNumber | | 采购订单编号 | String |  | |
|  | soNumber | | 销售订单编号 | String |  | |
|  | lotNumber | | 交易批次ID | String | ERP中的交易批次ID | |
|  | onhandQuantity | | 现有量 | BigDecimal |  | |
|  | activeQuantity | | 可用量 | BigDecimal |  | |
|  | unitOfMeasure | | 物料单位 | String |  | |
|  | attribute1 | | 预留字段1 | String |  | |
|  | attribute2 | | 预留字段2 | String |  | |
|  | attribute3 | | 预留字段3 | String |  | |
|  | attribute4 | | 预留字段4 | String |  | |
|  | attribute5 | | 预留字段5 | String |  | |
|  | attribute6 | | 预留字段6 | String |  | |
|  | attribute7 | | 预留字段7 | String |  | |
|  | attribute8 | | 预留字段8 | String |  | |
|  | attribute9 | | 预留字段9 | String |  | |
|  | attribute10 | | 预留字段10 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "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：**  [  {  "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** | |
|  | opUnitCode | | WMS组织编码 | String |  | |
|  | warehouseCode | | WMS仓库编码 | String |  | |
|  | inventSiteId | | ERP站点 | String |  | |
|  | inventLocationId | | ERP仓库 | String |  | |
|  | attribute1 | | 预留字段1 | String |  | |
|  | attribute2 | | 预留字段2 | String |  | |
|  | attribute3 | | 预留字段3 | String |  | |
|  | attribute4 | | 预留字段4 | String |  | |
|  | attribute5 | | 预留字段5 | String |  | |
|  | attribute6 | | 预留字段6 | String |  | |
|  | attribute7 | | 预留字段7 | String |  | |
|  | attribute8 | | 预留字段8 | String |  | |
|  | attribute9 | | 预留字段9 | String |  | |
|  | 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** | |
|  | opUnitCode | | WMS组织编码 | String |  | |
|  | warehouseCode | | WMS仓库编码 | String |  | |
|  | warehouseName | | WMS仓库名称 | String |  | |
|  | province | | 省 | String |  | |
|  | city | | 市 | String |  | |
|  | county | | 区/县 | String |  | |
|  | address | | 详细地址 | String |  | |
|  | contact | | 联系人 | String |  | |
|  | tel | | 联系电话 | String |  | |
|  | attribute1 | | 预留字段1 | String |  | |
|  | attribute2 | | 预留字段2 | String |  | |
|  | attribute3 | | 预留字段3 | String |  | |
|  | attribute4 | | 预留字段4 | String |  | |
|  | attribute5 | | 预留字段5 | String |  | |
|  | attribute6 | | 预留字段6 | String |  | |
|  | attribute7 | | 预留字段7 | String |  | |
|  | attribute8 | | 预留字段8 | String |  | |
|  | attribute9 | | 预留字段9 | String |  | |
|  | attribute10 | | 预留字段10 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "opUnitCode": "",  "warehouseCode": "",  "inventSiteId": "",  "inventLocationId": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  }  **响应内容：**  [  {  "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：到货/领料/完工/发货/退货 | |
|  | 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：到货/领料/完工/发货/退货 | |
|  | 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.inventDimId | | ERP维度号 | String |  | |
|  | head.inventConfigId | | ERP配置 | String |  | |
|  | head.inventSiteId | | ERP站点 | String | 必须填写 | |
|  | head.inventLocationId | | ERP仓库 | String | 必须填写 | |
|  | head.inventStorageId | | ERP库位 | String | 外仓时为客户号，必须填写 | |
|  | head.fmOpUnitCode | | 来源组织编码 | String |  | |
|  | head.fmWarehouseCode | | 来源仓库编码 | String |  | |
|  | head.fmInventDimId | | 来源维度号 | String |  | |
|  | head.fmInventConfigId | | 来源配置 | String |  | |
|  | head.fmInventSiteId | | 来源站点 | String |  | |
|  | head.fmInventLocationId | | 来源仓库 | String |  | |
|  | head.fmInventStorageId | | 来源库位 | String |  | |
|  | head.vendorCode | | 供应商编号 | String |  | |
|  | head.vendorName | | 供应商名称 | String |  | |
|  | head.agentCode | | 客户编码 | String |  | |
|  | head.agentName | | 客户名称 | String |  | |
|  | head.qcName | | 质检员 | String |  | |
|  | head.qcState | | 质检状态 | String |  | |
|  | head.estimatedRcptDate | | 预计入库日期 | Date |  | |
|  | head.requiredRcptDate | | 要求到货日期 | Date |  | |
|  | head.transactionDate | | 事务处理日期 | Date | 必须填写 | |
|  | head.vendorDeliveryNum | | 供应商发货通知单号 | String |  | |
|  | 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.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": "",  "inventDimId": "",  "inventConfigId": "",  "inventSiteId": "",  "inventLocationId": "",  "inventStorageId": "",  "fmOpUnitCode": "",  "fmWarehouseCode": "",  "fmInventDimId": "",  "fmInventConfigId": "",  "fmInventSiteId": "",  "fmInventLocationId": "",  "fmInventStorageId": "",  "vendorCode": "",  "vendorName": "",  "agentCode": "",  "agentName": "",  "qcName": "",  "qcState": "",  "estimatedRcptDate": "",  "requiredRcptDate": "",  "transactionDate": "",  "vendorDeliveryNum": "",  "createdUser": "",  "comments": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  },  "detail": [  {  "refId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "mainNumber": "",  "itemDescription": "",  "unitOfMeasure": "",  "quantity": "",  "bomNumber": "",  "poNumber": "",  "moNumber": "",  "soNumber": "",  "lotNumber": "",  "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** | |
|  | billNumber | | 来源单号 | String | 必须填写 | |
|  | billType | | 来源单类型 | String | 必须填写，枚举：到货/领料/完工/发货/退货 | |
|  | systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | transactionDate | | 事务处理日期 | Date | 必须填写 | |
|  | reasonMessage | | 退回原因 | String |  | |
|  | attribute1 | | 预留字段2 | String |  | |
|  | attribute2 | | 预留字段2 | String |  | |
|  | attribute3 | | 预留字段3 | String |  | |
|  | attribute4 | | 预留字段4 | String |  | |
|  | 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** | |
|  | billNumber | | 来源单号 | String |  | |
|  | billType | | 来源单类型 | String |  | |
|  | message | | 错误信息 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "billNumber": "",  "billType": "",  "systemId": "",  "transactionDate": "",  "reasonMessage": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": ""  }  **响应内容：**  {  "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 | | 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：到货/领料/完工/普通发货/备货发货/退货 | |
|  | 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：到货/领料/完工/发货/退货 | |
|  | 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.inventDimId | | ERP维度号 | String |  | |
|  | head.inventConfigId | | ERP配置 | String | 必须填写 | |
|  | head.inventSiteId | | ERP站点 | String | 必须填写 | |
|  | head.inventLocationId | | ERP仓库 | String | 必须填写 | |
|  | head.inventStorageId | | ERP库位 | String | 外仓时必须填写 | |
|  | head.toOpUnitCode | | 目标组织编码 | String |  | |
|  | head.toWarehouseCode | | 目标仓库编码 | String |  | |
|  | head.toInventDimId | | 目标维度号 | String |  | |
|  | head.toInventConfigId | | 目标配置 | String |  | |
|  | head.toInventSiteId | | 目标站点 | String |  | |
|  | head.toInventLocationId | | 目标仓库 | String |  | |
|  | head.toInventStorageId | | 目标库位 | String |  | |
|  | head.issueDate | | 预计出库日期 | Date |  | |
|  | head.needByDate | | 要求到货日期 | Date |  | |
|  | head.transactionDate | | 事务处理日期 | Date | 必须填写 | |
|  | 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.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": "",  "inventDimId": "",  "inventConfigId": "",  "inventSiteId": "",  "inventLocationId": "",  "inventStorageId": "",  "toOpUnitCode": "",  "toWarehouseCode": "",  "toInventDimId": "",  "toInventConfigId": "",  "toInventSiteId": "",  "toInventLocationId": "",  "toInventStorageId": "",  "issueDate": "",  "needByDate": "",  "transactionDate": "",  "createdUser": "",  "comments": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  },  "detail": [  {  "refId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "mainNumber": "",  "itemDescription": "",  "unitOfMeasure": "",  "quantity": "",  "bomNumber": "",  "poNumber": "",  "moNumber": "",  "soNumber": "",  "lotNumber": "",  "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** | |
|  | billNumber | | 来源单号 | String | 必须填写 | |
|  | billType | | 来源单类型 | String | 必须填写，枚举：到货/领料/完工/发货/退货 | |
|  | systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | transactionDate | | 事务处理日期 | Date | 必须填写 | |
|  | reasonMessage | | 退回原因 | String |  | |
|  | attribute1 | | 预留字段2 | String |  | |
|  | attribute2 | | 预留字段2 | String |  | |
|  | attribute3 | | 预留字段3 | String |  | |
|  | attribute4 | | 预留字段4 | String |  | |
|  | 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** | |
|  | billNumber | | 来源单号 | String |  | |
|  | billType | | 来源单类型 | String |  | |
|  | message | | 错误信息 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  {  "billNumber": "",  "billType": "",  "systemId": "",  "transactionDate": "",  "reasonMessage": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": ""  }  **响应内容：**  {  "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** | |
|  | billNumber | | 来源单号 | String | 必须填写 | |
|  | billType | | 来源单类型 | String | 必须填写，枚举：到货/领料/完工/发货/退货 | |
|  | systemId | | 来源系统 | String | 必须填写，枚举：MIS/ERP/CRM/OA/WMS | |
|  | opUnitCode | | WMS组织编码 | String |  | |
|  | warehouseCode | | WMS仓库编码 | String |  | |
|  | inventDimId | | ERP维度号 | String |  | |
|  | inventConfigId | | ERP配置 | String | 必须填写 | |
|  | inventSiteId | | ERP站点 | String | 必须填写 | |
|  | inventLocationId | | ERP仓库 | String | 必须填写 | |
|  | inventStorageId | | ERP库位 | String | 外仓时必须填写 | |
|  | actionType | | 执行的类型 | String | 必须填写，枚举：1:冻结 2:解冻 | |
|  | refId | | 单据行ID | String | 必须填写 | |
|  | itemNumber | | 物料编码 | String | 必须填写 | |
|  | configNumber | | 配置码 | String |  | |
|  | agentNumber | | 客户码 | String |  | |
|  | mainNumber | | 主机号 | String |  | |
|  | itemDescription | | 物料说明 | String |  | |
|  | unitOfMeasure | | 物料单位 | String |  | |
|  | quantity | | 执行的数量 | BigDecimal | 必须填写 | |
|  | bomNumber | | BOM编码 | String |  | |
|  | poNumber | | 采购订单号 | String |  | |
|  | moNumber | | 生产订单号 | String |  | |
|  | soNumber | | 销售订单号 | String |  | |
|  | lotNumber | | 批次号 | String |  | |
|  | attribute1 | | 预留字段1 | String |  | |
|  | attribute2 | | 预留字段2 | String |  | |
|  | attribute3 | | 预留字段3 | String |  | |
|  | attribute4 | | 预留字段4 | String |  | |
|  | attribute5 | | 预留字段5 | String |  | |
|  | attribute6 | | 预留字段6 | String |  | |
|  | attribute7 | | 预留字段7 | String |  | |
|  | attribute8 | | 预留字段8 | String |  | |
|  | attribute9 | | 预留字段9 | String |  | |
|  | 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** | |
|  | billNumber | | 来源单号 | String |  | |
|  | billType | | 来源单类型 | String |  | |
|  | refId | | 单据行号 | String |  | |
|  | message | | 错误信息 | String |  | |
| **调用示例：**  **POST** http://host:port/api/wms/webservice  **请求内容：**  [  {  "billNumber": "",  "billType": "",  "systemId": "",  "opUnitCode": "",  "warehouseCode": "",  "actionType": "",  "refId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "itemDescription": "",  "unitOfMeasure": "",  "quantity": "",  "bomNumber": "",  "poNumber": "",  "moNumber": "",  "soNumber": "",  "lotNumber": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  }  ]  **响应内容：**  [  {  "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** | |
|  | 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 | | 借调单头 | 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.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 | | 预计借调日期 | 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 | | 出库数量 | BigDecimal | 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 | | 交易批次ID | String |  | |
|  | detail.gweightUnit | | 单位毛重(KG) | BigDecimal |  | |
|  | detail.volumeUnit | | 单位体积(m3) | BigDecimal |  | |
|  | detail.nweightUnit | | 单位净重(KG) | BigDecimal |  | |
|  | 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": "",  "deptCode": "",  "deptName": "",  "mrpFlag": "",  "issueDate": "",  "transactionDate": "",  "createdUser": "",  "comments": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  },  "detail": [  {  "refId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "mainNumber": "",  "itemDescription": "",  "unitOfMeasure": "",  "quantity": "",  "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": ""  }  ]  } | | | | | | |

# 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** | |
|  | 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 | | 借调归还单头 | 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.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.estimatedRcptDate | | 预计归还日期 | 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 | | 出库数量 | BigDecimal | 必须填写 | |
|  | detail.orignRefId | | 原借调单行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.gweightUnit | | 单位毛重(KG) | BigDecimal |  | |
|  | detail.volumeUnit | | 单位体积(m3) | BigDecimal |  | |
|  | detail.nweightUnit | | 单位净重(KG) | BigDecimal |  | |
|  | 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": "",  "deptCode": "",  "deptName": "",  "mrpFlag": "",  "orignBillNumber": "",  "estimatedRcptDate": "",  "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": ""  }  ]  } | | | | | | |

# 借调出库单新建接口

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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** | |
|  | 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 | | 借调出库单头 | 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.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 |  | |
|  | 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 | | 出库数量 | BigDecimal | 必须填写 | |
|  | detail.orignRefId | | 原借调单行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.gweightUnit | | 单位毛重(KG) | BigDecimal |  | |
|  | detail.volumeUnit | | 单位体积(m3) | BigDecimal |  | |
|  | detail.nweightUnit | | 单位净重(KG) | BigDecimal |  | |
|  | 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": "",  "deptCode": "",  "deptName": "",  "mrpFlag": "",  "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": ""  }  ]  } | | | | | | |

# 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** | |
|  | 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 | | 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 |  | |
|  | 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 |  | |
|  | 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.gweightUnit | | 单位毛重(KG) | BigDecimal |  | |
|  | detail.volumeUnit | | 单位体积(m3) | BigDecimal |  | |
|  | detail.nweightUnit | | 单位净重(KG) | BigDecimal |  | |
|  | 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": "",  "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.gweightUnit | | 单位毛重(KG) | BigDecimal |  | |
|  | detail.volumeUnit | | 单位体积(m3) | BigDecimal |  | |
|  | detail.nweightUnit | | 单位净重(KG) | BigDecimal |  | |
|  | 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** | |
|  | 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 | |
|  | detail | | 生码参数 | Map | 必须填写 | |
|  | detail.billNumber | | 单据编号 | String | 必须填写 | |
|  | detail.docType | | 单据类型 | String | 必须填写 | |
|  | detail.opUnitCode | | 组织编码 | String | 必须填写 | |
|  | 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** | |
|  | code | | 返回码 | String | 成功返回200，否则返回其他 | |
|  | message | | 返回信息 | String |  | |
|  | detail | | 条码信息 | Map |  | |
|  | 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：**  {  "userid": "testuser",  "systemid": "OA",  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJwYXNzd29yZCI6InNhQHRlc3QxMjMiLCJleHAiOjE2NTIwNjQ5MzYsInVzZXJuYW1lIjoidGVzdHVlc3IifQ.9G8xQE9U\_FmqfN0VZkTxQWg1rKty9oCcbd8cetbfj0U",  "detail": [  {  "billNumber": "",  "docType": "",  "opUnitCode": "",  "refId": "",  "itemNumber": "",  "configNumber": "",  "agentNumber": "",  "quantity": "",  "lotNumber": "",  "lotDate": "",  "transactionDate": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  }  ]  }  **响应内容：**  {  "code": "200",  "message": "Success",  "detail": [  {  "refId": "",  "barCode": "",  "attribute1": "",  "attribute2": "",  "attribute3": "",  "attribute4": "",  "attribute5": "",  "attribute6": "",  "attribute7": "",  "attribute8": "",  "attribute9": "",  "attribute10": ""  }  ]  } | | | | | | |