# ERP1.0前端和后台通信自定义协议说明

# **1.登录接口**

接口url http:111.204.101.170:11115

body={"action"："erpLogin"，"params":{"username":"admin","password":"123"}}

返回值：

{"resData":{"result":"0",”access”:{“role\_id”:”1”,“purchase\_request”:true,”purchase\_track”:false},"msg":"登录成功"}}

{"resData":{"result":"-1","msg":"密码错误"}}

{"resData":{"result":"-2","msg":"用户名不存在"}}

**role\_id说明:**

1:admin,2:总经理,3:部长,4:室组经理,5:库管,6:采购,7:员工',

# 采购接口

## 2.1采购申请

### 2.1.1采购申请物料接口

接口url http:111.204.101.170:11115

body={"action":"purchaseRequest","params":{"purchase\_applicant\_id":"CGSQ20170912001","applicant":"张三",”approver”:{“group\_leader”:”张三”,”department”:”李四”,”manager”:”王五”},"materialList":[{“material\_name”:”电脑”,”model”:”ex500”,”sn\_num”:”123”,”project\_num”:”WBD001”,”unit”:”台”,”number”:”12”,”expected\_date”:”2017-10-11”,”remark”:”好的”},{“material\_name”:”电脑”,”model”:”ex500”,”sn\_num”:”123”,”project\_num”:”WBD001”,”unit”:”台”,”number”:”12”,”expected\_date”:”2017-10-11”,”remark”:”好的”}]}}

返回值：

{"resData":{"result":"0","msg":"提交成功"}}

{"resData":{"result":"-1","msg":"提交失败原因"}}

### 2.1.2采购申请审批人接口

接口url http:111.204.101.170:11115

**①室组经理：**

body={"action":"getApprover","params":”group\_leader”}

返回值：

{"resData":{"result":"0",”data”:[{“name”,”张三”,”group”:”软件室”},{“name”,李四”,”group”:”定位组”}],"msg":"查询成功"}}

**②部长：**

body={"action":"getApprover","params":”department”}

返回值：

{"resData":{"result":"0",”data”:[{“name”,”张三”,”group”:”产品开发部”},{“name”,李四”,”group”:”技术研发部”}],"msg":"查询成功"}}

**③总经理：**

body={"action":"getApprover","params":”manager”}返回值：

{"resData":{"result":"0",”data”:[{“name”,”张三”,”group”:”总经理”}],"msg":"查询成功"}}

**查询审批人失败：**

{"resData":{"result":"-1","msg":"查询失败原因"}}

## 2.2采购跟踪

接口url http:111.204.101.170:11115

body={"action":"purchaseTrack","params":{"applicant":"张三","limit":"10","start":"0","page":"1","queryData":{"startDate":"2017-10-11","endDate":"2017-10-11","purchase\_applicant\_id":"CGSQ20170912001"}}}

返回值：

{"resData":{"result":"0",”data”:[{“purchase\_applicant\_id”:”CGSQ20170912001”,“personal”:{“status”:1,”reason”:””,”date”:”2017-09-12 10:21:32”},”group\_leader”:{“status”:-1,”reason”:”减少积压”,”date”:”2017-09-12 10:21:32”},”department”:{“status”:0,”reason”:””,”date”:”2017-09-12 10:21:32”},”manager”:{“status”:0,”reason”:””,”date”:”2017-09-12 10:21:32”},”depotManage”:{“status”:0,”reason”:””,”date”:”2017-09-12 10:21:32”},”purchase”:{“status”:0,”reason”:””,”date”:”2017-09-12 10:21:32”}}],

"msg":"修改成功"}}

备注：queryData为””，返回本页面采购跟踪信息

## 2.3历史采购

接口url http:111.204.101.170:11115

body={"action":"purchaseHistory","params":{"applicant":"张三","limit":"10","start":"0","page":"1","queryData":{"startDate":"2017-10-11","endDate":"2017-10-11","purchase\_applicant\_id":"CGSQ20170912001",”queryApplicant”:”张三”}}}

返回值：

{"resData":{"result":"0",”data”:[{“purchase\_applicant\_id”:”CGSQ20170912001”,”purchase\_order\_id”:”CGDD20170912001”,”contract\_num”:”HT001”,“materialList”:[{“material\_name”:”电脑”,“model”:”ex500”,“sn\_num”:””,“project\_num”:”WBD001”,

“number”:”11”,”applicant\_date”:”2017-10-11”,”arrived\_on”:”2017-10-11”,”status”:”1”},...]}]}

备注：queryData为””，返回本页面采购跟踪信息

Status:-1：未通过,1：待审批,2：待下单,3：已下单,4：已到货,5：已领料;

## 2.4采购审核

### 2.4.1获取审核列表

接口url http:111.204.101.170:11115

body={"action":"getPurchaseListCheck","params":{"userName":"张三","limit":"10","start":"0","page":"1","queryData":{"startDate":"2017-10-11","endDate":"2017-10-11","status":"0","purchase\_applicant\_id":"CGSQ20170912001",”queryApplicant”:”张三”}}}

Status:0 待审核，1 已审核

返回值：

{"resData":{"result":"0",”data”:[{“purchase\_applicant\_id”:”CGSQ20170912001”,”applicant”:”张三”,”purchase\_date”:”2017-10-11”,”expected\_date”:”2017-10-11”,

”status”:”0”}],"msg":"修改成功"}}

备注：queryData为””，返回本页面采购跟踪信息

Status:0 待审核，1 已审核

### 2.4.2审核操作

**2.4.2.1获取物料信息**

接口url http:111.204.101.170:11115

body={"action":"getMaterialList","params":{"userName":"张三",“purchase\_applicant\_id”:”CGSQ20170912001”}}

返回值：

{"resData":{"result":"0",“materialList”:[{“material\_name”:”电脑”,“model”:”ex500”,

“sn\_num”:””,“project\_num”:”WBD001”,”unit”:”台”,“number”:”11”,

”expected\_date”:”2017-10-11”,”remark”:”2017-10-11”}],"msg":"修改成功"}}

**2.4.2.2提交物料审核**

接口url http:111.204.101.170:11115

body={"action":"checkMaterial","params":{"userName":"张三",“purchase\_applicant\_id”:”CGSQ20170912001”,”result”:”1”,”reason”:””}}

**Result和reason说明：**

result:-1 未通过,reason:”未通过理由”

result:1 通过,reason:””

返回值：

{"resData":{"result":"0","msg":"提交成功"}}

{"resData":{"result":"-1","msg":"提交失败原因"}}

## 2.5采购下单

### 2.5.1获取订单信息

接口url http:111.204.101.170:11115

body={"action":"getOrder","params":{"purchase\_applicant\_id":"CGSQ20170912001"}}

返回值：

{"resData":{"result":"0",”supplierList”:[{“supplier\_num”:”001”,“supplier”:”智行者”},...],”rate”:[10,7,5],”purchase\_applicant\_id”:”CGSQ20170912001”,”materialList”:[{“material\_name”:”电脑”,”model”:”ex500”,”sn\_num”:”123”,”project\_num”:

”WBD001”,”unit”:台”,”number”:”12”},...],"msg":""}}

### 2.5.2提交订单信息

接口url http:111.204.101.170:11115

body={"action":"commitOrder","params":{“created\_on”:”2017-10-12”,”contract\_num”:”HT001”,"purchase\_applicant\_id":"CGSQ20170912001","purchase\_order\_id":"CGDD20170912001",”materialList”:[{“material\_code”:”DN001”,“material\_name”:”电脑”,”model”:”ex500”,”sn\_num”:”123”,“supplier\_num”:”001”,“supplier”:”智行者”,”project\_num”:”WBD001”,”unit”:台”,”unit\_price”:”4500”,”number”:”12”,”total\_price”:”451100”,”rate”:”5”,”invoice”:”20171010”,”remark”:”好的”,”batch”:”第一批”},...]}}

返回值：

{"resData":{"result":"0","msg":"提交成功"}}

{"resData":{"result":"-1","msg":"提交失败原因"}}//物料编码重复

# 库管接口

## 3.1库存查询

接口url http:111.204.101.170:11115

body={"action":"depotRequest","params":{"limit":"10","start":"0","page":"1","queryData":{“material\_code”:”DN001”,“material\_name”:”电脑”,“model”:”ex500”,“supplier\_num”:”GYS001”,“project\_num”:”WBD001”,“manufactor”:”厂家”}}}

返回值：

{"resData":{"result":"0",”data”:[{“material\_code”:”DN001”,“material\_name”:”电脑”,“model”:”ex500”,“sn\_num”:”001”,“supplier\_num”:”GYS001”,“supplier”:”供应商001”,“project\_num”:”WBD001”,“unit”:”台”,“stock\_number”:”50”,“batch”:”一”,“brand”:”WBD”,“manufactor”:”厂家”,“unit\_price”:”12”,“stock\_position”:”智行者001”},...]}}

备注：queryData为””，返回所有物料信息

## 3.2采购入库

### 3.2.1获取物料列表

接口url http:111.204.101.170:11115

body={"action":"depotInputList","params":{"limit":"10","start":"0","page":"1","queryData":{"startDate":"2017-10-11","endDate":"2017-10-11","status":"0","purchase\_applicant\_id":"CGSQ20170912001",”queryApplicant”:”张三”}}

Status:0 待收料，1 已收料

返回值：

{"resData":{"result":"0",”data”:[{“purchase\_applicant\_id”:”CGSQ20170912001”,”purchase\_order\_id”:”CGDD20170912001”,”contract\_num”:”HT001”,”applicant”:”张三”,

“materialList”:[{“material\_code”:”DN001”,“material\_name”:”电脑”,“model”:”ex500”,“sn\_num”:”001”,“supplier\_num”:”GYS001”,“supplier”:”供应商001”,“project\_num”:”WBD001”,“unit”:”台”,”number”:”10”,”remark”:”ok”,“batch”:”一”,“brand”:”WBD”,“manufactor”:”厂家”,“unit\_price”:”12”},...]}]}

备注：queryData为””，返回所有待收料的物料信息

### 3.2.2确认收料

接口url http:111.204.101.170:11115

body={"action":"commitDepotInput","params":{“materialList”:[{“material\_code”:”DN001”,”stock\_position”:”仓库001”},...]}}

返回值：

{"resData":{"result":"0","msg":"收料成功"}}

{"resData":{"result":"-1","msg":"失败原因"}}

## 3.3领料出库

### 3.3.1获取物料列表

接口url http:111.204.101.170:11115

body={"action":"depotOutputList","params":{"limit":"10","start":"0","page":"1","queryData":{"startDate":"2017-10-11","endDate":"2017-10-11","status":"0","purchase\_applicant\_id":"CGSQ20170912001",”queryApplicant”:”张三”}}

Status:0 待领料，1 已领料

返回值：

{"resData":{"result":"0",”data”:[{“purchase\_applicant\_id”:”CGSQ20170912001”,”purchase\_order\_id”:”CGDD20170912001”,”material\_requisition\_id”:”LLSQ20171012”,”contract\_num”:”HT001”,”applicant”:”张三”,“materialList”:[{“material\_code”:

”DN001”,“material\_name”:”电脑”,“model”:”ex500”,“sn\_num”:”001”,

“project\_num”:”WBD001”,“unit”:”台”,”number”:”10”,”remark”:”ok”},...]}]}

备注：queryData为””，返回所有待收料的物料信息

### 3.2.2确认领料

接口url http:111.204.101.170:11115

body={"action":"commitDepotOutput","params":{“materialList”:[DN001,DN002,DN003}}

返回值：

{"resData":{"result":"0","msg":"领料成功"}}

{"resData":{"result":"-1","msg":"失败原因"}}

## 3.4退料审核

### 3.4.1获取物料列表

接口url http:111.204.101.170:11115

body={"action":"returnGoodsList","params":{"limit":"10","start":"0","page":"1","queryData":{"startDate":"2017-10-11","endDate":"2017-10-11","status":"0","material\_return\_id":" TLSQ20170912001",”queryApplicant”:”张三”}}

Status:0 待退料，1 已退料

返回值：

{"resData":{"result":"0",”data”:[{“material\_return\_id”:”TLSQ20170912001”,”applicant”:”张三”,“materialList”:[{“material\_code”:”DN001”,“material\_name”:”电脑”,“model”:”ex500”,“sn\_num”:”001”,“project\_num”:”WBD001”,“unit”:”台”,”number”:”10”,”remark”:”ok”},...]}]}

备注：queryData为””，返回所有待收料的物料信息

### 3.2.2确认退料

接口url http:111.204.101.170:11115

body={"action":"commitReturnGoods","params":{“materialList”:[{“material\_code”:”DN001”,”number”:”3”},...]}}

返回值：

{"resData":{"result":"0","msg":"领料成功"}}

{"resData":{"result":"-1","msg":"失败原因"}}

# 我的接口

## 4.1领料申请

### 4.1.1获取领料申请列表

接口url http:111.204.101.170:11115

body={"action":"getPickGoodsList","params":{"userName":"张三","limit":"10","start":"0","page":"1","queryData":{"startDate":"2017-10-11","endDate":"2017-10-11","status":"0","material\_requisition\_id":"LLSQ20170912001",”queryApplicant”:”张三”}}}

Status:0 待审核，1 已审核

返回值：

{"resData":{"result":"0",”data”:[{“material\_requisition\_id”:”CGSQ20170912001”,”applicant”:”张三”,”applicant\_date”:”2017-10-11”,”status”:”0”}],"msg":"修改成功"}}

备注：queryData为””，返回本页面申请列表信息

Status:0 待审核，1 已审核

### 4.1.2查看订单物料信息

接口url http:111.204.101.170:11115

body={"action":"viewReqMaterial","params":{"material\_requisition\_id":"LLSQ20170912001"}}

返回值：

{"resData":{"result":"0",”data”:{“purchase\_applicant\_id”:”CGSQ20170912001”,“purchase\_order\_id”:”CGDD20170912001”,“materialList”:[{“material\_name”:”电脑”,“model”:”ex500”,“sn\_num”:”001”,“project\_num”:”WBD001”,“unit”:”台”,”number”:”10”,”remark”:”ok”},...]}}

### 4.1.3审核订单物料信息

接口url http:111.204.101.170:11115

body={"action":"checkReqMaterial","params":{"material\_requisition\_id":"LLSQ20170912001",”result”:”1”,”reason”:””}}

**Result和reason说明：**

result:-1 未通过,reason:”未通过理由”

result:1 通过,reason:””

返回值：

{"resData":{"result":"0","msg":"提交成功"}}

{"resData":{"result":"-1","msg":"提交失败原因"}}

### 4.1.4加载采购申请数据

接口url http:111.204.101.170:11115

body={"action":"loadPurchaseReqList","params":{"userName":"张三"}}

返回值：

{"resData":{"result":"0",”data”:[{“purchase\_applicant\_id”:”CGSQ20170912001”,”purchase\_order\_id”:”CGDD20170912001”,”contract\_num”:”HT001”,”applicant”:”张三”,

“orderStatus”:””,“materialList”:[{“material\_code”:”DN001”,“material\_name”:”电脑”,“model”:”ex500”,“sn\_num”:”001”,“project\_num”:”WBD001”,“unit”:”台”,”number”:”10”,”remark”:”ok”,“materialStatus”:”0”},...]}]}

orderStatus说明：

0 未到货，1已到货，2部分到货

materialStatus说明：

0 未到货，1已到货

### 4.1.5生成领料申请单

接口url http:111.204.101.170:11115

body={"action":"createPickReqOrder","params":{“material\_requisition\_id”:”LLSQ20170912001”,”approver”:{“group\_leader”:”张三”,”department”:”李四”},“materialList”:[{“material\_code”:”DN001”,“material\_name”:”电脑”,“model”:”ex500”,“sn\_num”:”001”,“project\_num”:”WBD001”,“unit”:”台”,”number”:”10”,”remark”:”ok”},...]}

返回值：

{"resData":{"result":"0",”msg”:”提交成功”}}

{"resData":{"result":"-1",”msg”:”失败原因”}}

### 4.1.6用户获取库存

接口url http:111.204.101.170:11115

body={"action":"getDepotMaterialList","params":{"limit":"10","start":"0","page":"1"}}

返回值：

{"resData":{"result":"0",”data”:[{“material\_code”:”DN001”,“material\_name”:”电脑”,“model”:”ex500”,“sn\_num”:”001”,“project\_num”:”WBD001”,“unit”:”台”,”number”:”10”,”remark”:”ok”},...],”msg”:”获取成功”}}

{"resData":{"result":"-1",”data”,””,”msg”:”失败原因”}}

## 4.2退料申请

### 4.2.1获取退料申请列表

接口url http:111.204.101.170:11115

body={"action":"getReturnGoodsList","params":{"userName":"张三","limit":"10","start":"0","page":"1","queryData":{"startDate":"2017-10-11","endDate":"2017-10-11","status":"0","material\_return\_id":"TLSQ20170912001",”queryApplicant”:”张三”}}}

Status:0 待审核，1 已审核

返回值：

{"resData":{"result":"0",”data”:[{“material\_return\_id”:”TLSQ20170912001”,”applicant”:”张三”,”applicant\_date”:”2017-10-11”,”status”:”0”}],"msg":"修改成功"}}

备注：queryData为””，返回本页面申请列表信息

Status:0 待审核，1 已审核

### 4.2.2查看订单物料信息

接口url http:111.204.101.170:11115

body={"action":"viewReturnMaterial","params":{"material\_return\_id":"TLSQ20170912001"}}

返回值：

{"resData":{"result":"0",”data”:{“materialList”:[{“material\_name”:”电脑”,“model”:”ex500”,“sn\_num”:”001”,“project\_num”:”WBD001”,“unit”:”台”,”number”:”10”,”remark”:”ok”},...]}}

### 4.2.3审核订单物料信息

接口url http:111.204.101.170:11115

body={"action":"checkReturnMaterial","params":{"material\_return\_id":"TLSQ20170912001",”result”:”1”,”reason”:””}}

**Result和reason说明：**

result:-1 未通过,reason:”未通过理由”

result:1 通过,reason:””

返回值：

{"resData":{"result":"0","msg":"提交成功"}}

{"resData":{"result":"-1","msg":"提交失败原因"}}

### 4.2.4加载已领料申请数据

接口url http:111.204.101.170:11115

body={"action":"loadPickedMaterialList","params":{"userName":"张三"}}

返回值：

{"resData":{"result":"0",”data”:[{“purchase\_applicant\_id”:”CGSQ20170912001”,”purchase\_order\_id”:”CGDD20170912001”,’’material\_requisition\_id”:”LLSQ20170912001”,”contract\_num”:”HT001”,”applicant”:”张三”,

“orderStatus”:””,“materialList”:[{“material\_code”:”DN001”,“material\_name”:”电脑”,“model”:”ex500”,“sn\_num”:”001”,“project\_num”:”WBD001”,“unit”:”台”,”number”:”10”,”remark”:”ok”},...]}]}

### 4.1.5生成退料申请单

接口url http:111.204.101.170:11115

body={"action":"createReturnMaterialOrder","params":{“material\_return\_id”:”TLSQ20170912001”,”approver”:{“group\_leader”:”张三”,”department”:”李四”},“materialList”:[{“material\_code”:”DN001”,“material\_name”:”电脑”,“model”:”ex500”,“sn\_num”:”001”,“project\_num”:”WBD001”,“unit”:”台”,”number”:”10”,”remark”:”ok”},...]}

返回值：

{"resData":{"result":"0",”msg”:”提交成功”}}

{"resData":{"result":"-1",”msg”:”失败原因”}}

## 4.3信息维护

### 4.3.1获取用户信息

接口url http:111.204.101.170:11115

body={"action":"getUserInfo","params":{”userName”:”张三”}}

返回值：

{"resData":{"result":"0",”data”:{”newPhone”:”15421542512”,”password”:”123456”},"msg":"修改成功"}}

{"resData":{"result":"-1","msg":"失败原因"}}

### 4.3.2修改联系电话

接口url http:111.204.101.170:11115

body={"action":"updateUserPhone","params":{”userName”:”张三”,”newPhone”:”15421542512”}}

返回值：

{"resData":{"result":"0","msg":"修改成功"}}

{"resData":{"result":"-1","msg":"失败原因"}}

### 4.3.3修改密码

接口url http:111.204.101.170:11115

body={"action":"updateUserPassword","params":{”userName”:”张三”,”oldPassword”:”123456”,”newPassword”:”456123”}}

返回值：

{"resData":{"result":"0","msg":"修改成功"}}

{"resData":{"result":"-1","msg":"原密码错误"}}

# 系统管理接口

## 5.1用户管理

### 5.1.1获取用户列表

接口url http:111.204.101.170:11115

body={"action":"usersList","params":{"limit":"10","start":"0","page":"1","queryData":{”userName”:”张三”}}

备注：queryData为””，返回所有用户信息

返回值：

{"resData":{"result":"0",”data”:[{“userName”:”张三”,”password”:”123456”,

“phone”:”15352125452”,”access”:”1”,”remark”:”好人”},...]}}

### 5.1.2添加用户

接口url http:111.204.101.170:11115

body={"action":"addUser","params":{“userName”:”张三”,”password”:”123456”,”phone”:”15231245212”,”system\_permissions”:”1”,”group”:”软件组”,”data\_permissions”:{“contract\_number”:true,”unit\_price”:false,

”inventory\_quantity”:false,”money”:false,”tax\_rate”:false,”invoice”:false,”inventory\_position”:false}}}

返回值：

{"resData":{"result":"0","msg":"添加成功"}}

{"resData":{"result":"-1","msg":"失败原因"}}

### 5.1.3修改用户

接口url http:111.204.101.170:11115

body={"action":"updateUser","params":{“userName”:”张三”,”password”:”123456”,”phone”:”15231245212”,”system\_permissions”:”1”,”group”:”软件组”,”data\_permissions”:{“contract\_number”:true,”unit\_price”:false,

”inventory\_quantity”:false,”money”:false,”tax\_rate”:false,”invoice”:false,”inventory\_position”:false}}}

返回值：

{"resData":{"result":"0","msg":"修改成功"}}

{"resData":{"result":"-1","msg":"失败原因"}}

### 5.1.4删除用户

接口url http:111.204.101.170:11115

body={"action":"deleteUser","params":{“userName”:”张三”}}

返回值：

{"resData":{"result":"0","msg":"删除成功"}}

{"resData":{"result":"-1","msg":"失败原因"}}

## 5.2操作日志

接口url http:111.204.101.170:11115

body={"action":"operationLog","params":{"queryData":{“startDate”:”2017-10-12”,”endDate”:”2017-10-12”,”selectAccess”:”1”,”userName”:”张三”}}}

selectAccess说明:

1 所有用户，2 职员，3室组经理，4部长，5采购，6库管，7总经理

返回值：

{"resData":{"result":"0",”data”:[{“operateDate”:”2017-10-12 10:12:32”,”operator”:”张三”,”type”:”登录系统”,”ip”:”111.101.123.215”},...]}}

Type说明：

0退出系统 ，1 系统登录，2采购申请，3采购下单，4采购审核，5确认收料，6打印领料单，7领料出库，8退料审核，9领料申请，10退料申请，11采购审批，12领料审批，13退料审批，14修改密码，15修改联系电话，16添加用户，17删除用户，18修改用户信息