### 交互方案

#### 1、登录方式

基于HTTP的登录方式一般有3种

* 服务端不保存SESSION，每次数据交互都发送账号和密码，这种方式不太安全。
* 服务端不保存SESSION，维护一个已登录队列，第一次登录成功后，发送一个唯一标识给客户端，然后客户端每次请求数据都把唯一标识回发给服务器，服务器根据这个标识从登录队列中取出用户信息。
* 服务端保存SESSION,每一次登录时，客户端把COOKIE保存，以后每次访问服务端都把COOKIE回发给服务器。

由于我们的服务端应用很多地方都是根据session信息获取登陆人，特别是工作流程。使用方式3是代价最小的，涉及到流程时不用对服务端进行改造。

#### 2、服务端配置

修改 governor-》配置-》http接入-》不拦截URL，里面加入/mobile/user/\*和/mobile/oa/\*，就能使用我们自定义的接口了。否则，会提示未登录，我们可以在自定义接口中判断m:userObject对像是否为空来验证是否登陆。

#### 3、正常数据返回格式

* success: 请求结果true或false
* msg: 提示信息, 当success为false时有效,客户端需要把此信息提示给用户
* 结果数据:当success为true时有效

#### 4、异常信息返回格式

请求地址编译失败，或者地址不存在，或者接口内部没有捕获异常，可能直接抛出异常信息。客户端需要在客户端本地记录日志文件 ( 账号、时间、接口参数、接口地址 )，以备查询，并且提示用户，”数据异常,请联系管理员”。

* exception：异常实体
* exception.code:异常代码
* message: 异常内容

示例：

{"exception":{"code":"14101050","message":"ErrCode: 14101050\nMessage: 实体 'com.hnsi.erp.mobile.user.newdataset.CapUser' 的主键是null.\n","invalid":false,"loginPage":""}}

### 二、交互接口

#### 登录接口

1. 地址

/default/mobile/user/com.hnsi.erp.mobile.user.LoginManager.login.biz.ext

（2）参数

* username:账号，不能为空
* password:密码，不能为空

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* userInfo:用户信息,当success为true时有效
* empname:姓名
* orgname:部门
* otel:办公电话
* mobileno:手机
* oemail: 邮箱
* sex:性别
* posiname:职务

示例：

{"msg":"登录成功","success":true,"userInfo":{"empname":"李新宇","mobileno":"15514531688","otel":"15514531687","oemail":null,"sex":"男","orgid":12,"orgname":"软信科技子公司","posiname":"员工","empid":1261}}

#### 退出系统

1. 地址

/default/mobile/user/com.hnsi.erp.mobile.user.LoginManager.logout.biz.ext

1. 返回值

* success:为true时成功

示例：

{"msg":"登录成功","success":true,"userInfo":{"name":"sysadmin","orgName":"软信科技子公司"}}

#### 修改密码

1. 地址

/default/mobile/user/com.hnsi.erp.mobile.user.LoginManager. updatePassword.biz.ext

（2）参数

* newPassword:新密码,不能为空
* oldPassword:老密码,不能为空

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效

示例：

{"msg":"密码错误","success":false}

#### 通讯录列表

1. 地址

/default/mobile/user/ com.hnsi.erp.mobile.user.AddressListManager.list.biz.ext

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* empList:全部人员列表
* empname:姓名, success为true时有效
* mobileno:手机号
* otel:办公电话
* oemail:电子邮箱
* posiname:职务
* orgname:部门
* sex:性别
* headimg:头像下载地址
* orgList:全部部门列表, success为true时有效
* orgid:部门id
* orgname:部门名称
* parentorgid:上级部门id,最高级是1，即设计院，设计院在客户端的部门树列表中可不显示。

示例：

{“success”:true,empList:[{ "headimg":"\/default\/\/erp\/common\/fileUpload\/download.jsp?isOpen=false&fileid=17761","empname":"张帅","mobileno":"15032124523","otel":null,"oemail":null,"sex":"男","orgid":30,"orgname":"司机班","posiname":"员工","empid":1281},{"empname":"吕有周","mobileno":"13242563147","otel":null,"oemail":null,"sex":"男","orgid":30,"orgname":"司机班","posiname":"员工","empid":1228},{"empname":"绍书亮","mobileno":null,"otel":null,"oemail":null,"sex":"男","orgid":30,"orgname":"司机班","posiname":"员工","empid":1227},{"empname":"刘建民","mobileno":null,"otel":null,"oemail":null,"sex":"男","orgid":30,"orgname":"司机班","posiname":"员工","empid":1226}],"msg":null,"orgList":[{"orgid":1,"orgname":"河南省信息咨询设计研究有限公司","parentorgid":null},{"orgid":11,"orgname":"公司领导","parentorgid":1},{"orgid":5,"orgname":"综合管理部","parentorgid":1},{"orgid":21,"orgname":"市场经营部","parentorgid":1},{"orgid":22,"orgname":"生产技术部","parentorgid":1},{"orgid":23,"orgname":"计划财务部","parentorgid":1},{"orgid":6,"orgname":"人力资源部","parentorgid":1},{"orgid":2,"orgname":"第一设计分公司","parentorgid":1},{"orgid":3,"orgname":"第二设计分公司","parentorgid":1},{"orgid":24,"orgname":"华北分公司","parentorgid":1},{"orgid":4,"orgname":"第三设计分公司","parentorgid":1},{"orgid":28,"orgname":"华东分公司","parentorgid":1},{"orgid":26,"orgname":"华南分公司","parentorgid":1},{"orgid":27,"orgname":"华中分公司","parentorgid":1},{"orgid":7,"orgname":"建筑设计分公司","parentorgid":1},{"orgid":25,"orgname":"西南分公司","parentorgid":1},{"orgid":29,"orgname":"综合维护分公司","parentorgid":1},{"orgid":8,"orgname":"软信科技子公司","parentorgid":1},{"orgid":9,"orgname":"网优分公司","parentorgid":1},{"orgid":30,"orgname":"司机班","parentorgid":1},{"orgid":41,"orgname":"出版室","parentorgid":1},{"orgid":10,"orgname":"盈达招标代理公司","parentorgid":1},{"orgid":13,"orgname":"市场部","parentorgid":8},{"orgid":12,"orgname":"开发部","parentorgid":8},{"orgid":15,"orgname":"综合部","parentorgid":8},{"orgid":14,"orgname":"产品部","parentorgid":8}] }

#### 通讯录姓名查询

1. 地址

/default/mobile/user/com.hnsi.erp.mobile.user.AddressListManager.search.biz.ext

1. 参数

name:姓名,不能为空

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* empList:全部人员列表, success为true时有效
* empanem:姓名
* mobileno:手机号
* otel:办公电话
* oemail:电子邮箱
* posiname:职务
* orgname:部门
* sex:性别
* headimg:头像下载地址

示例：

{"empList":[{"empname":"朱光军","mobileno":null,"otel":null,"oemail":null,"sex":"男","orgid":11,"orgname":"公司领导","posiname":"公司副总经理","empid":1010},{"empname":"张曙光","mobileno":"186","otel":"0371","oemail":"kk@hnti.cn","sex":"男","orgid":1,"orgname":"河南省信息咨询设计研究有限公司","posiname":"员工","empid":1581}],"msg":null,"success":true}

#### 待办流程提醒列表

1. 地址

/default/mobile/oa/com.hnsi.erp.mobile.oa.TaskSearch.flowList.biz.ext

1. 参数

pageIndex:页号,默认1

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* totalPage: 总页数
* list:待办列表, success为true时有效
  + 1. processChName：流程类别
* processInstName：流程标题
* workItemName:当前节点名称
* startTime:时间

示例：

{"list":[{"workItemID":30468,"workItemName":"市场经营部服务主管","workItemType":"M","workItemDesc":null,"currentState":4,"participant":"1346","priority":60,"isTimeOut":"N","limitNum":0,"limitNumDesc":null,"createTime":"2016-04-28 10:00:56","startTime":"2016-04-28 10:00:56","actionURL":"\/customer\/customerPraise\/process\_next.jsp","processInstID":19324,"activityInstID":38092,"statesList":null,"timeOutNum":0,"timeOutNumDesc":null,"processInstName":"郑州市旅游局183表扬软信科技子公司","activityInstName":"市场经营部服务主管","processDefID":764,"processDefName":"com.hnsi.erp.customer.customerPraise.customerPraise","processChName":"表扬登记审核","activityDefID":"manualActivity1","assistant":null,"bizState":0,"actionMask":"NYYYNYNN","allowAgent":"1","rootProcInstID":19324,"urlType":"W","partiName":"流程-市场部服务主管","catalogUUID":"-1","catalogName":null,"dealOpinion":null,"dealResult":null,"participants":[],"\_pageCond":{"begin":0,"length":10,"count":282,"totalPage":29,"currentPage":1,"isCount":true,"isFirst":true,"isLast":false}}],"msg":null,"success":true,"totalPage":29}

#### 未读消息列表

1. 地址

/default/mobile/oa/com.hnsi.erp.mobile.oa.TaskSearch. msgList.biz.ext

1. 参数

pageIndex:页号,默认1

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* totalPage: 总页数
* list:消息列表, success为true时有效
  + 1. msgType：消息类别
* sendEmpname：发送人
* title:标题
* sendTime:发送时间

示例:

{"list":[{"id":941,"msgType":"流程反馈","title":"派车","sendEmpname":"sysadmin","sendTime":"2016-04-19 00:00:00.0"},{"id":923,"msgType":"流程反馈","title":"yuan项目群测试002","sendEmpname":"sysadmin","sendTime":"2016-04-13 00:00:00.0"},{"id":899,"msgType":"项目反馈","title":"项目基本信息变更","sendEmpname":"李新宇","sendTime":"2016-04-12 00:00:00.0"},{"id":898,"msgType":"项目反馈","title":"信息反馈","sendEmpname":"sysadmin","sendTime":"2016-04-12 00:00:00.0"},{"id":897,"msgType":"项目反馈","title":"信息反馈","sendEmpname":"sysadmin","sendTime":"2016-04-12 00:00:00.0"},{"id":896,"msgType":"项目反馈","title":"信息反馈","sendEmpname":"sysadmin","sendTime":"2016-04-12 00:00:00.0"},{"id":895,"msgType":"项目反馈","title":"信息反馈","sendEmpname":"sysadmin","sendTime":"2016-04-12 00:00:00.0"},{"id":894,"msgType":"项目反馈","title":"项目基本信息变更","sendEmpname":"李新宇","sendTime":"2016-04-11 00:00:00.0"},{"id":893,"msgType":"项目反馈","title":"设计会审","sendEmpname":"李新宇","sendTime":"2016-04-11 00:00:00.0"},{"id":892,"msgType":"项目反馈","title":"设计会审","sendEmpname":"李新宇","sendTime":"2016-04-11 00:00:00.0"}],"msg":null,"success":true,"totalPage":30}

#### 未读公文列表

1. 地址

/default/mobile/oa/com.hnsi.erp.mobile.oa.TaskSearch.docList.biz.ext

1. 参数

pageIndex:页号,默认1

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* totalPage: 总页数
* list:消息列表, success为true时有效
  + 1. docType：类别
* docTitle：公文标题
* sendName:发送人
* sendTime:发送时间
* processInstId:流程实例id
* url: 流程查看表单接口获取地址,传递参数processInstID 的值为processInstId

示例:

{"list":[{"id":321,"docType":"收文","docTitle":"ddfsdsadsad","sendName":"sysadmin","sendTime":"2016-07-27 16:32:01.886","receiveUserid":1,"processInstId":18022,"url":"\/default\/mobile\/oa\/com.hnsi.erp.mobile.oa.receivedocManager.receiveDocFinishedForm.biz.ext"}],"msg":null,"success":true,"totalPage":1}

#### 待办事项数量统计

1. 地址

/default/mobile/oa/ com.hnsi.erp.mobile.oa.TaskSearch.count.biz.ext

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* docNum：公文传阅数量
* flowNum：流程数量
* msgNum:系统消息数量

示例:

{"docNum":1,"flowNum":663,"msg":null,"msgNum":297,"success":true}

#### 新闻数量统计

1. 地址

/default/mobile/oa/ com.hnsi.erp.mobile.oa.NewsSearch.count.biz.ext

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* num：数量

示例:

{"msg":null,"num":34,"success":true}

#### 新闻列表

1. 地址

/default/mobile/oa/com.hnsi.erp.mobile.oa.NewsSearch.list.biz.ext

1. 参数

pageIndex:页号,默认1

classId:新闻分类,默认0,0:全部, 1:公司通知,2:部门通知,3:内部新闻,4:外部新闻,

type:1公告 2新闻

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* totalPage: 总页数
* list:消息列表, success为true时有效
* classname：分类名称
* title:标题
* id:编号
* operatorName:发布人
* startDate:发布时间

示例:

{"list":[{"id":826,"newsClass":4,"classname":"外部新闻","startDate":"2016-04-18 00:00:00.0","operatorName":"王玲敏","title":"测试信息发布20160418-3（账户wanglingmin）","viewScope":1,"firstDeptId":8,"operationDeptName":"软信科技子公司"},{"id":592,"newsClass":1,"classname":"公司通知","startDate":"2015-12-24 00:00:00.0","operatorName":"王玲敏","title":"测试流程名称与信息标题修改所带的","viewScope":1,"firstDeptId":8,"operationDeptName":"软信科技子公司"},{"id":586,"newsClass":1,"classname":"公司通知","startDate":"2015-12-23 00:00:00.0","operatorName":"王玲敏","title":"信息发布起草-测试用例1","viewScope":1,"firstDeptId":8,"operationDeptName":"软信科技子公司"},{"id":590,"newsClass":1,"classname":"公司通知","startDate":"2015-12-23 00:00:00.0","operatorName":"王玲敏","title":"信息发布-测试用例3","viewScope":1,"firstDeptId":8,"operationDeptName":"软信科技子公司"},{"id":591,"newsClass":3,"classname":"内部新闻","startDate":"2015-12-23 00:00:00.0","operatorName":"王玲敏","title":"起草信息发布用例4输入字符限制测试用例；起草信息发（30字）方法的发送到","viewScope":1,"firstDeptId":8,"operationDeptName":"软信科技子公司"},{"id":589,"newsClass":1,"classname":"公司通知","startDate":"2015-12-23 00:00:00.0","operatorName":"王玲敏","title":"信息发布-测试用例3-2","viewScope":1,"firstDeptId":8,"operationDeptName":"软信科技子公司"},{"id":581,"newsClass":1,"classname":"公司通知","startDate":"2015-12-21 00:00:00.0","operatorName":"sysadmin","title":"mafp公司通知测试","viewScope":1,"firstDeptId":8,"operationDeptName":"软信科技子公司"},{"id":582,"newsClass":1,"classname":"公司通知","startDate":"2015-12-21 00:00:00.0","operatorName":"马凡平","title":"mfp个人发布新闻测试001","viewScope":1,"firstDeptId":8,"operationDeptName":"软信科技子公司"},{"id":541,"newsClass":1,"classname":"公司通知","startDate":"2015-12-18 00:00:00.0","operatorName":"sysadmin","title":"我的测试","viewScope":1,"firstDeptId":8,"operationDeptName":"软信科技子公司"},{"id":546,"newsClass":1,"classname":"公司通知","startDate":"2015-12-18 00:00:00.0","operatorName":"sysadmin","title":"第七7","viewScope":1,"firstDeptId":8,"operationDeptName":"软信科技子公司"}],"msg":null,"success":true,"totalPage":4}

#### 新闻详细内容

1. 地址

/default/mobile/oa/com.hnsi.erp.mobile.oa.NewsSearch.getNews.biz.ext

1. 参数

id:新闻id,必须

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* news:新闻内容, success为true时有效
  + 1. isComment：是否允许评论,1:是,0:否
* commentNum：评论数量
* readNum:阅读数量
* title:标题
* id:编号
* operatorName:发布人
* startDate:发布时间
* operationDeptName:发布部门

示例:

{"news":{"id":826,"newsClass":4,"addTime":"2016-04-18 00:00:00.0","operatorName":"王玲敏","operationId":1684,"operationDeptName":"软信科技子公司","operationDeptId":8,"startDate":"2016-04-18 00:00:00.0","endDate":"2016-05-06 00:00:00.0","title":"测试信息发布20160418-3（账户wanglingmin）","content":null,"viewScope":1,"isComment":1,"commentNum":0,"readNum":2,"isDel":0,"url":null,"docType":null,"docId":null,"isPass":1,"processInstId":18686,"firstDeptId":8}}

#### 新闻评论列表

1. 地址

/default/mobile/oa/com.hnsi.erp.mobile.oa.NewsSearch.commentList.biz.ext

1. 参数

pageIndex:页号,默认1

newsId:新闻编号, 不能为空

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* totalPage: 总页数
* list:评论列表, success为true时有效
* content：评论内容
* operatorName:发布人
* addTime:发布时间

示例:

{"list":[{"id":387,"addTime":"2016-05-03 17:31:46.729","operatorName":"sysadmin","operationId":1,"operationDeptName":"软信科技子公司","operationDeptId":8,"objTable":"erp\_oa\_news","objTitle":"测试信息发布20160418-3（账户wanglingmin）","commentClassCode":4,"commentClassName":"外部新闻","objId":826,"content":"哈哈","isPass":1},{"id":386,"addTime":"2016-05-03 17:31:11.929","operatorName":"sysadmin","operationId":1,"operationDeptName":"软信科技子公司","operationDeptId":8,"objTable":"erp\_oa\_news","objTitle":"测试信息发布20160418-3（账户wanglingmin）","commentClassCode":4,"commentClassName":"外部新闻","objId":826,"content":"哈哈","isPass":1},{"id":382,"addTime":"2016-05-03 00:00:00.0","operatorName":"sysadmin","operationId":1,"operationDeptName":"软信科技子公司","operationDeptId":8,"objTable":"ErpOaNews","objTitle":"测试信息发布20160418-3（账户wanglingmin）","commentClassCode":4,"commentClassName":"外部新闻","objId":826,"content":"ss","isPass":1},{"id":381,"addTime":"2016-05-03 00:00:00.0","operatorName":"sysadmin","operationId":1,"operationDeptName":"软信科技子公司","operationDeptId":8,"objTable":"ErpOaNews","objTitle":"测试信息发布20160418-3（账户wanglingmin）","commentClassCode":4,"commentClassName":"外部新闻","objId":826,"content":"ddd","isPass":1}],"msg":null,"success":true,"totalPage":1}

#### 添加评论

1. 地址

/default/mobile/oa/com.hnsi.erp.mobile.oa.NewsSearch.addComment.biz.ext

1. 参数

content:评论内容,不能为空

newsId:新闻编号, 不能为空

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* totalPage: 总页数
* list:重新加载评论第1页内容, success为true时有效
* content：评论内容
* operatorName:发布人
* addTime:发布时间

示例:

{"list":[{"id":389,"addTime":"2016-05-03 17:37:44.693","operatorName":"sysadmin","operationId":1,"operationDeptName":"软信科技子公司","operationDeptId":8,"objTable":"erp\_oa\_news","objTitle":"测试信息发布20160418-3（账户wanglingmin）","commentClassCode":4,"commentClassName":"外部新闻","objId":826,"content":"老大,你好","isPass":1},{"id":388,"addTime":"2016-05-03 17:36:40.79","operatorName":"sysadmin","operationId":1,"operationDeptName":"软信科技子公司","operationDeptId":8,"objTable":"erp\_oa\_news","objTitle":"测试信息发布20160418-3（账户wanglingmin）","commentClassCode":4,"commentClassName":"外部新闻","objId":826,"content":"老大,你好","isPass":1},{"id":387,"addTime":"2016-05-03 17:31:46.729","operatorName":"sysadmin","operationId":1,"operationDeptName":"软信科技子公司","operationDeptId":8,"objTable":"erp\_oa\_news","objTitle":"测试信息发布20160418-3（账户wanglingmin）","commentClassCode":4,"commentClassName":"外部新闻","objId":826,"content":"哈哈","isPass":1},{"id":386,"addTime":"2016-05-03 17:31:11.929","operatorName":"sysadmin","operationId":1,"operationDeptName":"软信科技子公司","operationDeptId":8,"objTable":"erp\_oa\_news","objTitle":"测试信息发布20160418-3（账户wanglingmin）","commentClassCode":4,"commentClassName":"外部新闻","objId":826,"content":"哈哈","isPass":1},{"id":382,"addTime":"2016-05-03 00:00:00.0","operatorName":"sysadmin","operationId":1,"operationDeptName":"软信科技子公司","operationDeptId":8,"objTable":"ErpOaNews","objTitle":"测试信息发布20160418-3（账户wanglingmin）","commentClassCode":4,"commentClassName":"外部新闻","objId":826,"content":"ss","isPass":1},{"id":381,"addTime":"2016-05-03 00:00:00.0","operatorName":"sysadmin","operationId":1,"operationDeptName":"软信科技子公司","operationDeptId":8,"objTable":"ErpOaNews","objTitle":"测试信息发布20160418-3（账户wanglingmin）","commentClassCode":4,"commentClassName":"外部新闻","objId":826,"content":"ddd","isPass":1}],"msg":"数据异常,请联系管理员","success":true,"totalPage":1}

#### 能发起的流程

1. 地址
2. /default/mobile/oa/com.hnsi.erp.mobile.oa.TaskAuditSearch.procdefList.biz.ext返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* list:流程定义列表, success为true时有效
  + label：流程类别名称
  + groupKey: 所属流程组key
  + url：获取申请表单页面
* grouplist:组列表, success为true时有效
  + label：流程组名称
  + key: 流程组key

1. 示例

{"groupList":[{"key":"oa","label":"办公系统"},{"key":"xmyy","label":"项目运营"}],"list":[{"groupKey":"oa","label":"用车申请","url":"\/default\/mobile\/oa\/com.hnsi.erp.mobile.oa.carManager.wfOaCarApplyForm.biz.ext"},{"groupKey":"oa","label":"复印申请","url":"\/default\/mobile\/oa\/com.hnsi.erp.mobile.oa.printManager.printworkflowApplyForm.biz.ext"},{"groupKey":"xmyy","label":"请假","url":"\/default\/mobile\/xmyy\/com.hnsi.erp.mobile.xmyy.clfyManager.clfyApplyApplyForm.biz.ext"}],"msg":null,"success":true}

#### 待办流程审批列表

1. 地址

/default/mobile/oa/com.hnsi.erp.mobile.oa.TaskAuditSearch.pendingList.biz.ext

1. 参数

pageIndex:页号,默认1

参数sys: 0全部、1 办公、2 售前、3 生产、4 合同、5 事务

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* totalPage: 总页数
* taskList:待办列表, success为true时有效
  + processChName：流程类别名称
  + processDefName:流程类别key
  + processInstName：流程标题
  + workItemName:当前节点名称
  + startTime:时间
  + processInstID:流程实例id
  + activityDefID:活动定义ID
* urlMap:表单数据地址,访问此地址时需要传递processInstID和activityDefID
* MenuItem 审批小类列表,sys为5时有效
  + Label 审批小类url关键字
  + Num 审批小类个数
* 审批小类表示在办公、售前、生产、合同、事务等大类型审批下的小细节审批，如事务管理审批下的物品领用申请、差旅报销审批等

1. 示例

{"msg":null,"success":true,,"taskList":[{"workItemID":6870,"workItemName":"申请人结束用车","workItemType":"M","workItemDesc":null,"currentState":10,"participant":"1241","priority":60,"isTimeOut":"N","limitNum":0,"limitNumDesc":null,"createTime":"2015-05-19 16:56:29","startTime":"2015-05-19 16:56:29","actionURL":"\/oa\/car\/finishCarUse.jsp","processInstID":5287,"activityInstID":8399,"statesList":null,"timeOutNum":0,"timeOutNumDesc":null,"processInstName":"预约用车","activityInstName":"申请人结束用车","processDefID":461,"processDefName":"com.hnsi.erp.oa.car.wfOaCar","processChName":"用车申请流程","activityDefID":"manualActivity4","assistant":null,"bizState":0,"actionMask":"NNYYNYNN","allowAgent":"1","rootProcInstID":5287,"urlType":"W","partiName":"朱培佩","catalogUUID":"-1","catalogName":null,"dealOpinion":null,"dealResult":null,"participants":[],"\_pageCond":{"begin":0,"length":10,"count":1,"totalPage":1,"currentPage":1,"isCount":true,"isFirst":true,"isLast":true}}],"totalPage":1,"urlMap":{"com.hnsi.erp.oa.car.wfOaCar":"\/default\/mobile\/oa\/com.hnsi.erp.mobile.oa.carManager.wfOaCarPendingForm.biz.ext"}}

#### 已办流程审批列表

1. 地址

/default/mobile/oa/ com.hnsi.erp.mobile.oa.TaskAuditSearch.finishedList.biz.ext

1. 参数

pageIndex:页号,默认1

参数sys: 0全部、1 办公、2 售前、3 生产、4 合同、5 事务

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* totalPage: 总页数
* taskList:待办列表, success为true时有效
  + processChName：流程类别名称
  + processDefName:流程类别key
  + processInstName：流程标题
  + workItemName:当前节点名称
  + startTime:时间
  + processInstID:流程实例id
* urlMap: 表单数据地址,访问此地址时需要传递processInstID

示例：

{"msg":null,"success":true,"taskList":[{"workItemID":29506,"workItemName":"派车","workItemType":"M","workItemDesc":null,"currentState":4,"participant":"1041","priority":60,"isTimeOut":"N","limitNum":0,"limitNumDesc":null,"createTime":"2016-04-19 09:45:53","startTime":"2016-04-19 09:45:53","actionURL":"\/oa\/car\/process\_car\_next\_next.jsp","processInstID":14348,"activityInstID":36748,"statesList":null,"timeOutNum":0,"timeOutNumDesc":null,"processInstName":"李新宇2016-01-15 1","activityInstName":"派车","processDefID":461,"processDefName":"com.hnsi.erp.oa.car.wfOaCar","processChName":"用车申请流程","activityDefID":"manualActivity2","assistant":null,"bizState":0,"actionMask":"NYYYNYNN","allowAgent":"1","rootProcInstID":14348,"urlType":"W","partiName":"流程-车辆管理员","catalogUUID":"-1","catalogName":null,"dealOpinion":null,"dealResult":null,"participants":[],"\_pageCond":{"begin":0,"length":10,"count":39,"totalPage":4,"currentPage":1,"isCount":true,"isFirst":true,"isLast":false}},{"workItemID":24918,"workItemName":"部门领导审批","workItemType":"M","workItemDesc":null,"currentState":4,"participant":"1|1581|1196|1561|1006","priority":60,"isTimeOut":"N","limitNum":0,"limitNumDesc":null,"createTime":"2016-03-14 15:52:40","startTime":"2016-03-14 15:52:40","actionURL":"\/oa\/car\/process\_car\_next.jsp","processInstID":16287,"activityInstID":31011,"statesList":null,"timeOutNum":0,"timeOutNumDesc":null,"processInstName":"张三2016-03-14 ssss","activityInstName":"部门领导审批","processDefID":461,"processDefName":"com.hnsi.erp.oa.car.wfOaCar","processChName":"用车申请流程","activityDefID":"manualActivity1","assistant":null,"bizState":0,"actionMask":"NYYYNYNN","allowAgent":"1","rootProcInstID":16287,"urlType":"W","partiName":"sysadmin|张曙光|刘攀攀|软信-111|张克进","catalogUUID":"-1","catalogName":null,"dealOpinion":null,"dealResult":null,"participants":[]},{"workItemID":24871,"workItemName":"部门领导审批","workItemType":"M","workItemDesc":null,"currentState":4,"participant":"1|1581|1196|1561|1006","priority":60,"isTimeOut":"N","limitNum":0,"limitNumDesc":null,"createTime":"2016-03-14 15:01:27","startTime":"2016-03-14 15:01:27","actionURL":"\/oa\/car\/process\_car\_next.jsp","processInstID":16154,"activityInstID":30930,"statesList":null,"timeOutNum":0,"timeOutNumDesc":null,"processInstName":"刘攀攀2016-03-11 2323","activityInstName":"部门领导审批","processDefID":461,"processDefName":"com.hnsi.erp.oa.car.wfOaCar","processChName":"用车申请流程","activityDefID":"manualActivity1","assistant":null,"bizState":0,"actionMask":"NYYYNYNN","allowAgent":"1","rootProcInstID":16154,"urlType":"W","partiName":"sysadmin|张曙光|刘攀攀|软信-111|张克进","catalogUUID":"-1","catalogName":null,"dealOpinion":null,"dealResult":null,"participants":[]},{"workItemID":24861,"workItemName":"部门领导审批","workItemType":"M","workItemDesc":null,"currentState":4,"participant":"1|1581|1196|1561|1006","priority":60,"isTimeOut":"N","limitNum":0,"limitNumDesc":null,"createTime":"2016-03-14 14:53:55","startTime":"2016-03-14 14:53:55","actionURL":"\/oa\/car\/process\_car\_next.jsp","processInstID":16150,"activityInstID":30913,"statesList":null,"timeOutNum":0,"timeOutNumDesc":null,"processInstName":"刘攀攀2016-03-18 22","activityInstName":"部门领导审批","processDefID":461,"processDefName":"com.hnsi.erp.oa.car.wfOaCar","processChName":"用车申请流程","activityDefID":"manualActivity1","assistant":null,"bizState":0,"actionMask":"NYYYNYNN","allowAgent":"1","rootProcInstID":16150,"urlType":"W","partiName":"sysadmin|张曙光|刘攀攀|软信-111|张克进","catalogUUID":"-1","catalogName":null,"dealOpinion":null,"dealResult":null,"participants":[]},{"workItemID":24842,"workItemName":"部门领导审批","workItemType":"M","workItemDesc":null,"currentState":4,"participant":"1|1581|1196|1561|1006","priority":60,"isTimeOut":"N","limitNum":0,"limitNumDesc":null,"createTime":"2016-03-14 14:43:50","startTime":"2016-03-14 14:43:50","actionURL":"\/oa\/car\/process\_car\_next.jsp","processInstID":16201,"activityInstID":30883,"statesList":null,"timeOutNum":0,"timeOutNumDesc":null,"processInstName":"李新宇2016-03-10 222","activityInstName":"部门领导审批","processDefID":461,"processDefName":"com.hnsi.erp.oa.car.wfOaCar","processChName":"用车申请流程","activityDefID":"manualActivity1","assistant":null,"bizState":0,"actionMask":"NYYYNYNN","allowAgent":"1","rootProcInstID":16201,"urlType":"W","partiName":"sysadmin|张曙光|刘攀攀|软信-111|张克进","catalogUUID":"-1","catalogName":null,"dealOpinion":null,"dealResult":null,"participants":[]},{"workItemID":24814,"workItemName":"部门领导审批","workItemType":"M","workItemDesc":null,"currentState":4,"participant":"1|1581|1196|1561|1006","priority":60,"isTimeOut":"N","limitNum":0,"limitNumDesc":null,"createTime":"2016-03-14 14:47:09","startTime":"2016-03-14 14:47:09","actionURL":"\/oa\/car\/process\_car\_next.jsp","processInstID":16147,"activityInstID":30902,"statesList":null,"timeOutNum":0,"timeOutNumDesc":null,"processInstName":"李新宇2016-03-12 11","activityInstName":"部门领导审批","processDefID":461,"processDefName":"com.hnsi.erp.oa.car.wfOaCar","processChName":"用车申请流程","activityDefID":"manualActivity1","assistant":null,"bizState":0,"actionMask":"NYYYNYNN","allowAgent":"1","rootProcInstID":16147,"urlType":"W","partiName":"sysadmin|张曙光|刘攀攀|软信-111|张克进","catalogUUID":"-1","catalogName":null,"dealOpinion":null,"dealResult":null,"participants":[]},{"workItemID":24797,"workItemName":"部门领导审批","workItemType":"M","workItemDesc":null,"currentState":4,"participant":"1|1581|1196|1561|1006","priority":60,"isTimeOut":"N","limitNum":0,"limitNumDesc":null,"createTime":"2016-03-14 14:53:47","startTime":"2016-03-14 14:53:47","actionURL":"\/oa\/car\/process\_car\_next.jsp","processInstID":16241,"activityInstID":30818,"statesList":null,"timeOutNum":0,"timeOutNumDesc":null,"processInstName":"sysadmin2016-03-14 啊啊的是","activityInstName":"部门领导审批","processDefID":461,"processDefName":"com.hnsi.erp.oa.car.wfOaCar","processChName":"用车申请流程","activityDefID":"manualActivity1","assistant":null,"bizState":0,"actionMask":"NYYYNYNN","allowAgent":"1","rootProcInstID":16241,"urlType":"W","partiName":"sysadmin|张曙光|刘攀攀|软信-111|张克进","catalogUUID":"-1","catalogName":null,"dealOpinion":null,"dealResult":null,"participants":[]},{"workItemID":24382,"workItemName":"部门领导审批","workItemType":"M","workItemDesc":null,"currentState":4,"participant":"1|1581|1196|1561|1006","priority":60,"isTimeOut":"N","limitNum":0,"limitNumDesc":null,"createTime":"2016-03-02 18:17:49","startTime":"2016-03-02 18:17:49","actionURL":"\/oa\/car\/process\_car\_next.jsp","processInstID":15901,"activityInstID":30263,"statesList":null,"timeOutNum":0,"timeOutNumDesc":null,"processInstName":"李新宇2016-03-02 111","activityInstName":"部门领导审批","processDefID":461,"processDefName":"com.hnsi.erp.oa.car.wfOaCar","processChName":"用车申请流程","activityDefID":"manualActivity1","assistant":null,"bizState":0,"actionMask":"NYYYNYNN","allowAgent":"1","rootProcInstID":15901,"urlType":"W","partiName":"sysadmin|张曙光|刘攀攀|软信-111|张克进","catalogUUID":"-1","catalogName":null,"dealOpinion":null,"dealResult":null,"participants":[]},{"workItemID":24342,"workItemName":"部门主任审批","workItemType":"M","workItemDesc":null,"currentState":10,"participant":"张克进","priority":60,"isTimeOut":"N","limitNum":0,"limitNumDesc":null,"createTime":"2016-03-02 16:31:08","startTime":"2016-03-02 16:31:29","actionURL":"\/oa\/print\/print\_deal.jsp?activityId=manualActivity1","processInstID":15881,"activityInstID":30243,"statesList":null,"timeOutNum":0,"timeOutNumDesc":null,"processInstName":"追加测试","activityInstName":"部门主任审批","processDefID":441,"processDefName":"com.hnsi.erp.oa.print.printworkflow","processChName":"复印申请","activityDefID":"manualActivity1","assistant":"1","bizState":2,"actionMask":"NNYYYYYN","allowAgent":"1","rootProcInstID":15881,"urlType":"W","partiName":"张克进","catalogUUID":null,"catalogName":null,"dealOpinion":null,"dealResult":null,"participants":[]},{"workItemID":23886,"workItemName":"派车","workItemType":"M","workItemDesc":null,"currentState":4,"participant":"1041","priority":60,"isTimeOut":"N","limitNum":0,"limitNumDesc":null,"createTime":"2016-02-26 15:24:40","startTime":"2016-02-26 15:24:40","actionURL":"\/oa\/car\/process\_car\_next\_next.jsp","processInstID":15375,"activityInstID":29724,"statesList":null,"timeOutNum":0,"timeOutNumDesc":null,"processInstName":"李新宇2016-02-26 我问问","activityInstName":"派车","processDefID":461,"processDefName":"com.hnsi.erp.oa.car.wfOaCar","processChName":"用车申请流程","activityDefID":"manualActivity2","assistant":null,"bizState":0,"actionMask":"NYYYNYNN","allowAgent":"1","rootProcInstID":15375,"urlType":"W","partiName":"流程-车辆管理员","catalogUUID":"-1","catalogName":null,"dealOpinion":null,"dealResult":null,"participants":[]}],"totalPage":4,"urlMap":{"com.hnsi.erp.oa.car.wfOaCar":"\/default\/mobile\/oa\/com.hnsi.erp.mobile.oa.carManager.wfOaCarView.biz.ext","com.hnsi.erp.oa.print.printworkflow":"\/default\/mobile\/oa\/com.hnsi.erp.mobile.oa.printManager.printworkflowView.biz.ext"}}

#### 审批记录

1. 地址

/default/mobile/oa/com.hnsi.erp.mobile.oa.TaskAuditSearch.queryDisposeLog.biz.ext

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* list:待办列表, success为true时有效
  + name：审批人
  + endTime:审批时间
  + useMinute：用时(分钟)
  + content:审批意见
  + decision:决策 0:暂存 1:同意 2:退回 3:废弃 >3:未知

1. 示例

{"list":[{"id":3982,"name":"朱培佩","userid":1241,"startTime":"2015-05-19 16:48:42.796","endTime":"2015-05-19 16:48:42.796","useMinute":0,"activityName":"用车申请","content":null,"decision":"1","isEditForm":1,"processInstId":5287},{"id":3983,"name":"王鲲","userid":1006,"startTime":"2015-05-19 16:48:42.796","endTime":"2015-05-19 16:49:17.778","useMinute":0,"activityName":"部门领导审批","content":"同意内容","decision":"1","isEditForm":0,"processInstId":5287},{"id":3985,"name":"王鲲","userid":1006,"startTime":"2015-05-19 16:49:17.778","endTime":"2015-05-19 16:56:30.59","useMinute":7,"activityName":"派车","content":"同意内容","decision":"1","isEditForm":0,"processInstId":5287}],"msg":null,"success":true}

#### 规章制度列表

1. 地址

/default/mobile/oacom.hnsi.erp.mobile.oa.RulesSearch.list.biz.ext

1. 参数

pageIndex:页号,默认1

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* totalPage: 总页数
* list:消息列表, success为true时有效
* title:标题
* id:编号
* operationTime:发布时间

示例:

{"list":[{"id":2,"title":"又有新规章制度了，你们知道吗","operationTime":"2016-06-30 10:21:04.0"}],"msg":null,"success":true,"totalPage":1}

#### 规章制度详细内容

1. 地址

/default/mobile/oa/ com.hnsi.erp.mobile.oa.RulesSearch.detail.biz.ext

1. 参数

id:必须

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* data:内容, success为true时有效
* title:标题
* id:编号
* operatorName:发布人
* operationTime:发布时间
* files:附件列表,多个附件用|分隔，每个附件的名称与id用逗号分融。附件下载地址/default/erp/common/fileUpload/download.jsp?isOpen=false&fileid=

示例:

{"data":{"id":2,"operatorId":1,"operatorName":"sysadmin","operationTime":"2016-06-30 10:21:04.0","isDel":0,"title":"又有新规章制度了，你们知道吗","files":"河南省信息咨询设计研究有限公司ERP项目WEB设计规范0.1.docx|16945,HNTI综合信息管理系统分组测试文档-李帆.docx|16943","description":null,"content":"<p style=\"margin-top: 15px; margin-bottom: 15px; white-space: normal; padding: 0px; line-height: 2em; font-family: &#39;Microsoft YaHei&#39;, u5FAEu8F6Fu96C5u9ED1, Arial, SimSun, u5B8Bu4F53;\">新华社北京6月29日电（记者吴晶、姜潇）旗帜飞扬，歌声嘹亮。庆祝中国共产党成立95周年音乐会《信念永恒》29日晚在京举行。习近平、李克强、张德江、俞正声、刘云山、王岐山、张高丽等党和国家领导人，与首都各界3000多人观看音乐会，共同欢度这个光辉的节日。<\/p><p style=\"margin-top: 15px; margin-bottom: 15px; white-space: normal; padding: 0px; line-height: 2em; font-family: &#39;Microsoft YaHei&#39;, u5FAEu8F6Fu96C5u9ED1, Arial, SimSun, u5B8Bu4F53;\">　　今晚，人民大会堂华灯璀璨，气氛喜庆。二楼眺台悬挂着醒目的横幅：“紧密团结在以习近平同志为总书记的党中央周围，锐意进取、开拓创新，全面推 进党的建设新的伟大工程，为实现‘两个一百年’奋斗目标、实现中华民族伟大复兴的中国梦而努力奋斗！”舞台正中，“信念永恒”四个大字熠熠生辉。舞台两 侧，坚实的城墙托起鲜红的党旗，镰刀与锤头组成的党徽高悬其上，“1921-2016”字样金光闪耀。<\/p><p style=\"margin-top: 15px; margin-bottom: 15px; white-space: normal; padding: 0px; line-height: 2em; font-family: &#39;Microsoft YaHei&#39;, u5FAEu8F6Fu96C5u9ED1, Arial, SimSun, u5B8Bu4F53;\">　　19时55分，在欢快的乐曲声中，习近平等党和国家领导人来到音乐会现场，全场响起热烈的掌声。<\/p><p style=\"margin-top: 15px; margin-bottom: 15px; white-space: normal; padding: 0px; line-height: 2em; font-family: &#39;Microsoft YaHei&#39;, u5FAEu8F6Fu96C5u9ED1, Arial, SimSun, u5B8Bu4F53;\">　　95载风雨兼程，95载艰苦奋斗。在《红旗颂》辽阔悠远的旋律中，诗朗诵《信念永恒》拉开音乐会的帷幕。演出包括《历史选择》《浴血荣光》《青 春誓言》《激情岁月》《人民向往》《信念永恒》六部分，文艺工作者用动情的歌声、精湛的演奏，抒发对党和国家的无限热爱、对民族复兴的美好憧憬。<\/p><p><br\/><\/p>","operatorOrgid":null}}

#### 待办流程数量统计

1. 地址

/default/mobile/oa/ om.hnsi.erp.mobile.oa.TaskAuditSearch.count.biz.ext

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* c0：全部
* c1:办公
* c2:售前
* c3:生产
* c4:合同
* c5:事务

示例:

{"c0":94,"c1":49,"c2":59,"c3":103,"c4":91,"c5":45,"msg":null,"success":false}

#### 系统消息详细内容

1. 地址

/default/mobile/oa/ com.hnsi.erp.mobile.common.MsgManager.getData.biz.ext

1. 参数

id:id,必须

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* data:消息内容, success为true时有效
* title:标题
* sendEmpname:发送人
* sendTime:发布时间
* content:内容
* msgType: 1普通消息,2项目反馈,3流程反馈

示例:

{"data":{"id":1641,"objId":"24699","msgType":3,"sendEmpid":1683,"sendEmpname":"李予东","sendDeptname":"软信科技子公司","sendDeptid":8,"receiveEmpid":1,"receiveEmpname":"sysadmin","isRead":0,"title":"劳务人员协作审批流程结束","content":"劳务人员协作审批","files":null,"objInfo":"com.hnsi.erp.project.outer.wfOuterPerson","sendTime":"2016-07-26 00:00:00.0"},"msg":null,"success":true}

#### 头像上传

1. 地址

/default/mobile/user/ com.hnsi.erp.mobile.user.AddressListManager.upload.biz.ext

1. 参数

data: 二进制上传文件form提交

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* img: 图片下载地址, success=true时有效

示例:

{"img”: "\/default\/\/erp\/common\/fileUpload\/download.jsp?isOpen=false&fileid=17761","msg":null,"success":true}

#### 待办流程审批小类列表

1. 地址

/default/com.hnsi.erp.mobile.oa.TaskAuditSearch.pendingListByDef.biz.ext

1. 参数

processDefnames:审批小类url关键字

pageIndex：页数

1. 返回值

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* totalPage: 总页数
* taskList:待办列表, success为true时有效
  + processChName：流程类别名称
  + processDefName:流程类别key
  + processInstName：流程标题
  + workItemName:当前节点名称
  + startTime:时间
  + processInstID:流程实例id
* urlMap: 表单数据地址,访问此地址时需要传递processInstID

### 流程表单格式

#### 表单格式

##### 表单格式

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* url: 数据提交时的url地址
* groupList:控件组
  + label:名称
  + groupKey:key
  + isAudit:是否是审批组,默认false
* ctlList:控件列表, success为true时有效
  + label：控件显示名称
  + key: 控件key,要和value组成键值对回传到服务端
  + value：控件值
  + prompt:当value为空时显示的提示信息
  + readonly:true时为只读
  + type:控件类别( hidden:隐藏,text:单行文本,textarea:多行文本,int:整数,float:数值，list:列表,selector:选择器, tableView:表格数据查看,date:日期,datetime:日期时间,alllist:通讯录列表,switch:开关，控制表单中一个控件是的可用性,switchmutex:互斥开关，控制表单中两个控件的可用性，且其中一个可用时另一个不可用 tableFiles:附件类型)
  + groupKey:所属控件组
  + tableTitle:一维数组;type为tableView、tableSelector有效。
  + tableData:二维数组; type为tableView有效。
  + multiSelect:是否多选；true:是,false:否；多选的话，值用逗号隔开; type为list、tableSelector有效。
  + required:是否必填; true:是,false:否；readonly为false时有效
  + listData:列表数据,type=list时有效
    - * label:标签名称
      * value:值
  + eventId:事件ID字符串,不为空时需要客户端来特殊处理
  + selectorUrl:选择器数据URL，type为selector有效

附件类型与tableView类似，传的参数有序号、附件名称、上传时间、附件路径、上传大小.

##### 注意事项

* 审批时要有审批组(isAudit=true)
* 审批组内要有wfParam.changyong、wfParam.decision、wfParam.content组件
* 审批时，要有processInstID、activityDefID、 workItemID三个HIIDEN组件，放到base或audit组都可以
* 审批时，要返回点击提交按钮时接收数据的url
* URL生成规则：
  + - * 前缀：/default/mobile/项目名称/com.hnsi.erp.mobile.项目名称.最后一个包名Manager.流程名称
      * 已完成表单加FinishedForm后缀
      * 待审批表单加PendingForm 后缀
      * 提交表单加Update后缀
* 例：流程定义全名com.hnsi.erp.oa.print.printworkflow的查看地址是/default/mobile/oa/com.hnsi.erp.mobile.oa.printManager.printworkflowFinishedForm.biz.ext
* 如果控件为switch类型，则该控件的prompt属性为该控件所要控制的表单的key值，如wfParam.changyong，value必须有默认值，默认值为数值，其中0代表否，开关关闭，其余代表是，开关打开
* 如果控件为switchmutex类型，则该控件的prompt属性为该控件所要控制的两个标的的key值，如wfParam.changyong，用|间隔区分，如wfParam.changyong| wfParam.decision，value必须有默认值，默认值为0或1，其中0代表默认打开前一控件，1代表默认打开后一控件

##### 提交表单

* success: 为true时成功
* msg: 提示信息, 当success为false时有效

#### 2、用车申请示例

{success:true,msg:null,url:” /default/mobile/oa/com.hnsi.erp.mobile.oa.carManager.wfOaCarApply.biz.ext”,groupList:[{label:”基本信息”,groupKey:”base”}],ctlList:[{label:”用车类别”,key:” erpoacarorder.useCarType”,value:”临时用车”,readonly:true,type:”text”,groupKey:”base”},{label:”使用人”,key:” erpoacarorder.userName”,value:”张三”,readonly:true,type:”text”,groupKey:”base”},{label:”用车人数”,key:”erpoacarorder.peopleNum”,value:””,readonly:false,type:”int”,groupKey:”base”, required:true},{label:”用车时间”,key:” erpoacarorder.useStarttime”,value:””,readonly:false,type:” date”,groupKey:”base” , required:true },{label:”返程时间”,key:” erpoacarorder.useEndtime”,value:””,readonly:false,type:”date”,groupKey:”base” , required:true },{label:”目的地”,key:” erpoacarorder.destination”,value:””,readonly:false,type:”text”,groupKey:”base” , required:true },{label:”用车事由”,key:” erpoacarorder.useReason”,value:””,readonly:false,type:”textarea”,groupKey:”base” , required:true },{label:”备注”,key:” erpoacarorder.useinfo”,value:””,readonly:false,type:”textarea”,groupKey:”base” , required:false }]}

#### 3、用车审批示例

{success:true,msg:null, url:” /default/mobile/oa/com.hnsi.erp.mobile.oa.carManager.wfOaCarUpdate.biz.ext”,groupList:[{label:”基本信息”,groupKey:”base”, isAudit:false}, {label:”事务处理”,groupKey:”audit”,isAudit:true}],ctlList:[{label:”用车类别”,key:” erpoacarorder.useCarType”,value:”临时用车”,readonly:true,type:”text”,groupKey:”base”},{label:”使用人”,key:” erpoacarorder.userName”,value:”张三”,readonly:true,type:”text”,groupKey:”base”},{label:”用车人数”,key:”erpoacarorder.peopleNum”,value:””,readonly:false,type:”int”,groupKey:”base”, required:true},{label:”用车时间”,key:” erpoacarorder.useStarttime”,value:””,readonly:false,type:” date”,groupKey:”base” , required:true },{label:”返程时间”,key:” erpoacarorder.useEndtime”,value:””,readonly:false,type:”date”,groupKey:”base” , required:true },{label:”目的地”,key:” erpoacarorder.destination”,value:””,readonly:false,type:”text”,groupKey:”base” , required:true },{label:”用车事由”,key:” erpoacarorder.useReason”,value:””,readonly:false,type:”textarea”,groupKey:”base” , required:true },{label:”备注”,key:” erpoacarorder.useinfo”,value:””,readonly:false,type:”textarea”,groupKey:”base” , required:false },{label:”处理决策”,key:”decision”,value:””,readonly:false,type:”list”,groupKey:”audit” , required:true,mulitSelect:false,listData:[ {label:“同意”,value:1},{ label:“不同意”,value:2} ] },{label:”常用意见”,key:” changyong”,value:””,readonly:false,type:”list”,groupKey:”audit” , required:false,mulitSelect:false,listData:[ {label:“同意内容”,value: “同意内容”},{ label:“请领导审批”,value: “请领导审批”} ],eventId:”audit.changeContent” },{label:”处理意见”,key:”content”,value:””,readonly:false,type:”textarea”,groupKey:”audit”, required:true },{label:”流程实例ID”,key:”processInstID”,value:”12112”,readonly:false,type:”hidden”,groupKey:”audit”, required:false },{label:”活动定义ID”,key:” activityDefID”,value:”99951”,readonly:false,type:”hidden”,groupKey:”audit”, required:false },{label:”工作项ID”,key:”workItemID”,value:”12112”,readonly:false,type:”hidden”,groupKey:”audit”, required:false }]}

#### 4、用车-派车示例

{success:true,msg:null, url:” /default/mobile/oa/com.hnsi.erp.mobile.oa.carManager.wfOaCarUpdate.biz.ext”,groupList:[{label:”基本信息”,groupKey:”base”},{label:”派车”,groupKey:”car”}, {label:”事务处理”,groupKey:”audit”,isAudit:true}],ctlList:[{label:”用车类别”,key:” erpoacarorder.useCarType”,value:”临时用车”,readonly:true,type:”text”,groupKey:”base”},{label:”使用人”,key:”userName”,value:”张三”,readonly:true,type:”text”,groupKey:”base”},{label:”用车人数”,key:”erpoacarorder.peopleNum”,value:””,readonly: true,type:”int”,groupKey:”base”, required: false },{label:”用车时间”,key:” erpoacarorder.useStarttime”,value:””,readonly: true,type:” date”,groupKey:”base” , required: false },{label:”返程时间”,key:” erpoacarorder.useEndtime”,value:””,readonly: true,type:”date”,groupKey:”base” , required: false },{label:”目的地”,key:” erpoacarorder.destination”,value:””,readonly: true,type:”text”,groupKey:”base” , required: false },{label:”用车事由”,key:” erpoacarorder.useReason”,value:””,readonly: true,type:”textarea”,groupKey:”base” , required: false },{label:”备注”,key:” erpoacarorder.useinfo”,value:””,readonly: true,type:”textarea”,groupKey:”base” , required:true },{label:”车型”,key:” carNo”,value:””,readonly: false,type:” selector”,groupKey:”car” , required:true, selectorUrl:” /default/mobile/oa/com.hnsi.erp.mobile.oa.carManager.carSelector.biz.ext” ,{label:”指定司机”,key:” 1111erpoacarorder.useEndtime”,value:””,readonly: false,type:”text”,groupKey:”car” , required: false },{label:”司机电话”,key:”1111”,value:””,readonly: false,type:”text”,groupKey:”car” , required: false },{label:”处理决策”,key:” decision”,value:””,readonly:false,type:”list”,groupKey:”audit” , required:true,mulitSelect:false,listData:[ {label:“同意”,value:1},{ label:“不同意”,value:2} ] },{label:”常用意见”,key:” erpoacarorder.content”,value:””,readonly:false,type:”list”,groupKey:”changyong” , required:false,mulitSelect:false,listData:[ {label:“同意内容”,value: “同意内容”},{ label:“请领导审批”,value: “请领导审批”} ],eventId:”audit.changeContent” },{label:”处理意见”,key:” content”,value:””,readonly:false,type:”textarea”,groupKey:”audit”, required:true },{label:”流程实例ID”,key:”processInstID”,value:”12112”,readonly:false,type:”hidden”,groupKey:”audit”, required:false },{label:”活动定义ID”,key:” activityDefID”,value:”99951”,readonly:false,type:”hidden”,groupKey:”audit”, required:false },{label:”工作项ID”,key:”workItemID”,value:”12112”,readonly:false,type:”hidden”,groupKey:”audit”, required:false }]}

#### 5、复印审批示例

{success:true,msg:null,url:” /default/mobile/oa/com.hnsi.erp.mobile.oa.printManager. printworkflowUpdate.biz.ext”,groupList:[{label:”基本信息”,groupKey:”base”},{label:”复印文件”,groupKey:”file”}, {label:”事务处理”,groupKey:”audit”,isAudit:true}],ctlList:[{label:”复印标题”,key:” erpoaprintorder.title”,value:”标题测试试试试”,readonly:true,type:”text”,groupKey:”base”},{label:” 备注信息”,key:” erpoaprintorder.info”,value:””,readonly:true,type:”text”,groupKey:”base”},{label:” 发起人”,key:” erpoaprintorder.operatorName”,value:”管理员”,readonly:true,type:”text”,groupKey:”base”, required:false},{label:” 所在部门”,key:” erpoaprintorder.deptName”,value:”软信”,readonly:true,type:” text”,groupKey:”base” , required:false },{label:” 联系电话”,key:” erpoaprintorder.telphone”,value:”13612346678”,readonly:true,type:”text”,groupKey:”base” , required:false },{label:”发起时间”,key:” erpoaprintorder.addTime”,value:””,readonly:true,type:”text”,groupKey:”base” , required:false },{label:”复印文件”,key:” files”,value:””,readonly:true,type:”tableView”,groupKey:”file” , required:false,tableTitle:[ ”文件名称”, “复印页数”, “正式封皮”, “份数”, “晒图张数”, “正式封皮”, “精装册数”],tableData:[ [“aaa”,1,是,2,3,否,4],[ “bbb”,1,是,2,3,否,4],[ “ccc”,1,是,2,3,否,4] ] },{label:”处理决策”,key:”decision”,value:”“,readonly:false,type:”list”,groupKey:”audit”, required:true,mulitSelect:false,listData:[ {label:”同意”,value:1},{ label:”不同意”,value:2} ] },{label:”常用意见”,key:”changyong”,value:”“,readonly:false,type:”list”,groupKey:”audit”, required:false,mulitSelect:false,listData:[ {label:”同意内容”,value: “同意内容”},{ label:”请领导审批”,value: “请领导审批”} ],eventId:”audit.changeContent”},{label:”处理意见”,key:”content”,value:”“,readonly:false,type:”textarea”,groupKey:”audit”, required:true },{label:”流程实例ID”,key:”processInstID”,value:”12112”,readonly:false,type:”hidden”,groupKey:”audit”, required:false },{label:”活动定义ID”,key:” activityDefID”,value:”99951”,readonly:false,type:”hidden”,groupKey:”audit”, required:false },{label:”工作项ID”,key:”workItemID”,value:”12112”,readonly:false,type:”hidden”,groupKey:”audit”, required:false }]}

#### 7、表格选择器

##### (1) 参数

pageIndex:页号,默认为1

##### (2) 返回结果

* success: 为true时成功
* msg: 提示信息, 当success为false时有效
* listHead:标题,一维数组
* keyCol:主建所在列,从0开始,选择后要把主建当成值回传给客户端
* viewCol: 主要显示列,是个数组,里面存放列索引
* listData:数据，二维数组
* totalPage:总页数

##### 车辆选择器示例

地址：/default/mobile/oa/com.hnsi.erp.mobile.oa.carManager.carSelector.biz.ext

返回值：

{success:true,msg:null, totalPage:1,keyCol:0, viewCol:[0,1], listHead:[ “车牌号”,”品牌”,”车系”,”司机”,”电话”], listData:[[“豫A09123”,”大众”,”桑他那”,”张三”,”15612345677”],[ “豫B0111u”,”奥迪”,”a6”,”李四”,”18612345677”]}