

Bpm1.0

详细设计

IT管理团队制

# 销售合同申请

1. 原型设计
2. 前台设计

无

1. 后台设计

无

1. 服务接口
   1. 查询售前项目编码 (数据源为ERP)

接口来自预合同

* 1. 查询客户经理

接口来自投标报价

* 1. 查询客户开票地址

接口来自资源采购

* 1. 销售合同基本信息详情

Url：/api/scontract/detail/p1?sn=xx

请求方式：GET

参数说明：sn=serial\_num;

参数格式：?xxx=xx&xxx=dd

返回数据格式：

{  
 **errorCode**: **"0"**,  
 **errorMsg**: **"success"**,  
 **data**: {  
 **"zhName"**: **"张定维"**,*//申请人员* **"orgName"**: **"销售一部"**,*//所属部门* **"customerManager"**: **"张定维"**,*//客户经理* **"saleArea"**: **"40华南区域"**,*//销售区域* **"preSalePoCode"**: **"01GZ19060222"**,*//售前项目编号* **"preSaleOwner"**: **"售前负责人"**,*//售前负责人* **"preSalePoName"**: **"华润三九通用技术框架外包项目"**,*//售前项目名称* **"productType"**: **"技术外包-深圳"**,*//产品类型* **"contractName"**: **"ERP项目"**,*//合同名称* **"customerName"**: **"华润三九医药股份有限公司"**,*//客户编码* **"customerCode"**: **"3W200510"**,*//客户名称* **"customerBillAddr"**: **"深圳龙岗"**,*//客户开票地址* **"currency"**: **"CNY"**,*//币种* **"contractEntity"**: **"广州赛意信息科技股份有限公司"**,*//签约主体* **"deliveryOrgName"**: **"20行业五部"**,*//交付主导部门* **quoteDate**: **"2019-08-01"**,*//申请日期* **"bidNum"**: **"TBBJ001"**,*//报价单号* **"preContractNum"**: **"YHT001"**,*//预合同单号* **"saleCategory"**: **"投保报价并商务洽谈 "**,*//销售类别* **"isShExternal"**: **"否"**,*//软硬件是否对外采购* **"frameAgreementNum"**: **"否"**,*//框架协议单号* **"maintenancePeriod"**: **"否"**,*//维保期(月)* **"shCompany"**: **"INFOR"**,*//软硬件对应厂商* **"implDevAmount"**: 100.05,*//实施/外包开发金额(元)* **"implBuQuote"**: 100.50,*//事业部报价(实施)(元)* **"implInvoiceTaxRate"**: **"6%"**,*//发票税率(实施)* **"operAmount"**: 50.05,*//运维金额(元)* **"operBuQuote"**: 10.25,*//事业部报价(运维)(元)* **"operInvoiceTaxRate"**: **"6%"**,*//发票税率(运维)* **"selfSoftAmount"**: 8.25,*//自主软件金额(元)* **"selfBuQuote"**: 6.25,*//事业部报价(自主软件)(元)* **"selfInvoiceTaxRate"**: **"10%"**,*//发票税率(自主软件)* **"outSoftAmount"**: 8.25,*//外购软件金额(元)* **"outPurchaseCost"**: 5.15,*//预计采购成本(外购软件)(元)* **"outInvoiceTaxRate"**: **"10%"**,*//发票税率(外购软件)* **"hardAmount"**: 7.25,*//硬件金额(元)* **"hardPurchaseCost"**: 7.05,*//预计采购成本(硬件)(元)* **"hardInvoiceTaxRate"**: **"6%"**,*//发票税率(硬件)* **"resourceAmount"**: 7.25,*//资源采购金额(元)* **"resourcePurchaseCost"**: 7.05,*//预计采购成本(资源采购)(元)* **"resourceInvoiceTaxRate"**: **"6%"**,*//发票税率(资源采购)* **"isBackToBack"**: **"是"**,*//是否背靠背采购* **"distAmount"**: 6.35,*//分销总金额* **"predictDistTotalCost"**: 6.05,*//预计分销总成本* **"predictDistGp"**: 0.2,*//预计分销毛利* **"contractTotalDay"**: 50,*//合同总人天* **"standardPersonUnitPrice"**: 1000.5,*//人天标准单价(元)* **"predictHardSoftGp"**: 0.21,*//预计软硬件毛利* **"contractTotalAmount"**: 1000,*//合同总金额(元)* }  
}

* 1. 销售合同回款数据详情

Url：/api/scontract/detail/p2?sn=xx

请求方式：GET

参数说明：sn=serial\_num;

参数格式：?xxx=xx&xxx=dd

返回数据格式：

{  
 **errorCode**: **"0"**,  
 **errorMsg**: **"success"**,  
 **data**: [{  
 **"pbOrder"**: **"1"**,*//回款顺序* **"saleCategory"**: **"硬件"**,*//销售类别* **"pbPhase"**: **"硬件款"**,*//回款阶段* **"pbCondition"**: **"本合同生效后"**,*//回款条件* **"pbDay"**: **"50"**,*//回款天数* **"pbRatio"**: **"20%"**,*//回款比例* **"predictDate"**: **"2019-05-09"**,*//预计回款时间* **"predictAmount"**: **"50000"**,*//预计回款金额* **"remark"**: **"ERP项目xxx"**,*//备注* }]  
}

* 1. 销售合同合同条款详情

Url：/api/scontract/detail/p3?sn=xx

请求方式：GET

参数说明：sn=serial\_num;

参数格式：?xxx=xx&xxx=dd

返回数据格式：

{  
 **errorCode**: **"0"**,  
 **errorMsg**: **"success"**,  
 **data**: {  
 **contractAbstract**: **"xxx"**,*//描述销售内容摘要* **intellectualProperty**: **"xxx"**,*//知识产权* **acceptCondition**: **"xxx"**,*//验收条件* **breachClause**: **"xxx"**,*//违约责任* **penaltyCondition**: **"xxx"**,*//保密协议违约处罚条件* **litigationLand**: **"xxx"**,*//诉讼地* **warrantyPeriod**: **"xxx"**,*//质保期(月)* **description**: **"xxx"**,*//描述* **recipientName**: **"张三"**,*//* **recipientTel**: **"188xxxx333"**,*//* **recipientAddr**: **"广东省佛山市"**,*//* }  
}

* 1. 销售合同审批意见详情

Url：/api/scontract/detail/opinion?sn=xx

请求方式：GET

参数说明：sn=serial\_num;

参数格式：?xxx=xx&xxx=dd

返回数据格式：

{  
 **errorCode**: **"0"**,  
 **errorMsg**: **"success"**,  
 **data**: {  
 "**contractId**": **123456**,

"**pbConditionDeviation**": **"xxx"**,

"**pbNotDescription**": **"xxx"**,

" **warrantyDeviation**": **"xxx"**,

" **warrantyNDescription**": **"xxx"**,

" **intellectualDeviation**": **"xxx"**,

" **intellectualNotDescription**": **"xxx"**,

" **breachDeviation**": **"xxx"**,

" **breachNotDescription**": **"xxx"**,

" **penaltyDeviation**": **"xxx"**,

" **penaltyNotDescription**": **"xxx"**,

" **litigationDeviation**": **"xxx"**,

" **litigationNotDescription**": **"xxx"**,

" **riskPersonType**": **"xxx"**,

" **riskPersonValue**": **"xxx"**,

" **riskSupDescription**": **"xxx"**,

" **accountProjectGp**": **"xxx"**,

" **accountSupDescription**": **"xxx"**,

" **stampDate**": **"xxx"**,

" **expressNum**": **"xxx"**,

" **remark**": **"xxx"**

}  
}

* 1. 销售合同提交服务

Url：/api/saleContract/start

请求方式：POST

参数说明：

{

"**userId**": **6025**,  
 **"zhName"**: **"张定维"**,*//申请人员* **"orgName"**: **"销售一部"**,*//所属部门* **"customerManager"**: **"张定维"**,*//客户经理* **"saleArea"**: **"40华南区域"**,*//销售区域* **"preSalePoCode"**: **"01GZ19060222"**,*//售前项目编号* **"preSaleOwner"**: **"售前负责人"**,*//售前负责人* **"preSalePoName"**: **"华润三九通用技术框架外包项目"**,*//售前项目名称* **"productType"**: **"技术外包-深圳"**,*//产品类型* **"contractName"**: **"ERP项目"**,*//合同名称* **"customerName"**: **"华润三九医药股份有限公司"**,*//客户编码* **"customerCode"**: **"3W200510"**,*//客户名称* **"customerBillAddr"**: **"深圳龙岗"**,*//客户开票地址* **"currency"**: **"CNY"**,*//币种* **"contractEntity"**: **"广州赛意信息科技股份有限公司"**,*//签约主体* **"deliveryOrgName"**: **"20行业五部"**,*//交付主导部门  
 “***quoteDate”**: **"2019-08-01"**,*//申请日期* **"bidNum"**: **"TBBJ001"**,*//报价单号* **"preContractNum"**: **"YHT001"**,*//预合同单号* **"saleCategory"**: **"投保报价并商务洽谈 "**,*//销售类别* **"isShExternal"**: **"否"**,*//软硬件是否对外采购* **"frameAgreementNum"**: **"否"**,*//框架协议单号* **"maintenancePeriod"**: **"否"**,*//维保期(月)* **"shCompany"**: **"INFOR"**,*//软硬件对应厂商* **"implDevAmount"**: 100.05,*//实施/外包开发金额(元)* **"implBuQuote"**: 100.50,*//事业部报价(实施)(元)* **"implInvoiceTaxRate"**: **"6%"**,*//发票税率(实施)* **"operAmount"**: 50.05,*//运维金额(元)* **"operBuQuote"**: 10.25,*//事业部报价(运维)(元)* **"operInvoiceTaxRate"**: **"6%"**,*//发票税率(运维)* **"selfSoftAmount"**: 8.25,*//自主软件金额(元)* **"selfBuQuote"**: 6.25,*//事业部报价(自主软件)(元)* **"selfInvoiceTaxRate"**: **"10%"**,*//发票税率(自主软件)* **"outSoftAmount"**: 8.25,*//外购软件金额(元)* **"outPurchaseCost"**: 5.15,*//预计采购成本(外购软件)(元)* **"outInvoiceTaxRate"**: **"10%"**,*//发票税率(外购软件)* **"hardAmount"**: 7.25,*//硬件金额(元)* **"hardPurchaseCost"**: 7.05,*//预计采购成本(硬件)(元)* **"hardInvoiceTaxRate"**: **"6%"**,*//发票税率(硬件)* **"resourceAmount"**: 7.25,*//资源采购金额(元)* **"resourcePurchaseCost"**: 7.05,*//预计采购成本(资源采购)(元)* **"resourceInvoiceTaxRate"**: **"6%"**,*//发票税率(资源采购)* **"isBackToBack"**: **"是"**,*//是否背靠背采购* **"distAmount"**: 6.35,*//分销总金额* **"predictDistTotalCost"**: 6.05,*//预计分销总成本* **"predictDistGp"**: 0.2,*//预计分销毛利* **"contractTotalDay"**: 50,*//合同总人天* **"standardPersonUnitPrice"**: 1000.5,*//人天标准单价(元)* **"predictHardSoftGp"**: 0.21,*//预计软硬件毛利* **"contractTotalAmount"**: 1000,*//合同总金额(元)* **"conditions"**: [{  
 **"pbOrder"**: **"1"**,*//回款顺序* **"saleCategory"**: **"硬件"**,*//销售类别* **"pbPhase"**: **"硬件款"**,*//回款阶段* **"pbCondition"**: **"本合同生效后"**,*//回款条件* **"pbDay"**: **"50"**,*//回款天数* **"pbRatio"**: **"20%"**,*//回款比例* **"predictDate"**: **"2019-05-09"**,*//预计回款时间* **"predictAmount"**: **"50000"**,*//预计回款金额* **"remark"**: **"ERP项目xxx"**,*//备注* }],  
  
 **contractAbstract**: **"xxx"**,*//描述销售内容摘要* **intellectualProperty**: **"xxx"**,*//知识产权* **acceptCondition**: **"xxx"**,*//验收条件* **breachClause**: **"xxx"**,*//违约责任* **penaltyCondition**: **"xxx"**,*//保密协议违约处罚条件* **litigationLand**: **"xxx"**,*//诉讼地* **warrantyPeriod**: **"xxx"**,*//质保期(月)* **description**: **"xxx"**,*//描述* **recipientName**: **"张三"**,*//* **recipientTel**: **"188xxxx333"**,*//* **recipientAddr**: **"广东省佛山市"**,*//*}

参数格式：JSON

返回数据格式：

{  
 **errorCode**: **"0"**,  
 **errorMsg**: **"success"**,  
 **data**: “流程发起成功”

}

* 1. 销售合同流程重提交

Url：/api/saleContract/restart

请求方式：POST

参数说明：

{

"serialNum":"XSHT1912300001", //流水号

"instanceId":"1c5b7628-2ab3-11ea-8054-86fdd1f98297",// 流程ID

"**userId**": **6025**,  
 **"zhName"**: **"张定维"**,*//申请人员* **"orgName"**: **"销售一部"**,*//所属部门* **"customerManager"**: **"张定维"**,*//客户经理* **"saleArea"**: **"40华南区域"**,*//销售区域* **"preSalePoCode"**: **"01GZ19060222"**,*//售前项目编号* **"preSaleOwner"**: **"售前负责人"**,*//售前负责人* **"preSalePoName"**: **"华润三九通用技术框架外包项目"**,*//售前项目名称* **"productType"**: **"技术外包-深圳"**,*//产品类型* **"contractName"**: **"ERP项目"**,*//合同名称* **"customerName"**: **"华润三九医药股份有限公司"**,*//客户编码* **"customerCode"**: **"3W200510"**,*//客户名称* **"customerBillAddr"**: **"深圳龙岗"**,*//客户开票地址* **"currency"**: **"CNY"**,*//币种* **"contractEntity"**: **"广州赛意信息科技股份有限公司"**,*//签约主体* **"deliveryOrgName"**: **"20行业五部"**,*//交付主导部门  
 “***quoteDate”**: **"2019-08-01"**,*//申请日期* **"bidNum"**: **"TBBJ001"**,*//报价单号* **"preContractNum"**: **"YHT001"**,*//预合同单号* **"saleCategory"**: **"投保报价并商务洽谈 "**,*//销售类别* **"isShExternal"**: **"否"**,*//软硬件是否对外采购* **"frameAgreementNum"**: **"否"**,*//框架协议单号* **"maintenancePeriod"**: **"否"**,*//维保期(月)* **"shCompany"**: **"INFOR"**,*//软硬件对应厂商* **"implDevAmount"**: 100.05,*//实施/外包开发金额(元)* **"implBuQuote"**: 100.50,*//事业部报价(实施)(元)* **"implInvoiceTaxRate"**: **"6%"**,*//发票税率(实施)* **"operAmount"**: 50.05,*//运维金额(元)* **"operBuQuote"**: 10.25,*//事业部报价(运维)(元)* **"operInvoiceTaxRate"**: **"6%"**,*//发票税率(运维)* **"selfSoftAmount"**: 8.25,*//自主软件金额(元)* **"selfBuQuote"**: 6.25,*//事业部报价(自主软件)(元)* **"selfInvoiceTaxRate"**: **"10%"**,*//发票税率(自主软件)* **"outSoftAmount"**: 8.25,*//外购软件金额(元)* **"outPurchaseCost"**: 5.15,*//预计采购成本(外购软件)(元)* **"outInvoiceTaxRate"**: **"10%"**,*//发票税率(外购软件)* **"hardAmount"**: 7.25,*//硬件金额(元)* **"hardPurchaseCost"**: 7.05,*//预计采购成本(硬件)(元)* **"hardInvoiceTaxRate"**: **"6%"**,*//发票税率(硬件)* **"resourceAmount"**: 7.25,*//资源采购金额(元)* **"resourcePurchaseCost"**: 7.05,*//预计采购成本(资源采购)(元)* **"resourceInvoiceTaxRate"**: **"6%"**,*//发票税率(资源采购)* **"isBackToBack"**: **"是"**,*//是否背靠背采购* **"distAmount"**: 6.35,*//分销总金额* **"predictDistTotalCost"**: 6.05,*//预计分销总成本* **"predictDistGp"**: 0.2,*//预计分销毛利* **"contractTotalDay"**: 50,*//合同总人天* **"standardPersonUnitPrice"**: 1000.5,*//人天标准单价(元)* **"predictHardSoftGp"**: 0.21,*//预计软硬件毛利* **"contractTotalAmount"**: 1000,*//合同总金额(元)* **"conditions"**: [{  
 **"pbOrder"**: **"1"**,*//回款顺序* **"saleCategory"**: **"硬件"**,*//销售类别* **"pbPhase"**: **"硬件款"**,*//回款阶段* **"pbCondition"**: **"本合同生效后"**,*//回款条件* **"pbDay"**: **"50"**,*//回款天数* **"pbRatio"**: **"20%"**,*//回款比例* **"predictDate"**: **"2019-05-09"**,*//预计回款时间* **"predictAmount"**: **"50000"**,*//预计回款金额* **"remark"**: **"ERP项目xxx"**,*//备注* }],  
 **contractAbstract**: **"xxx"**,*//描述销售内容摘要* **intellectualProperty**: **"xxx"**,*//知识产权* **acceptCondition**: **"xxx"**,*//验收条件* **breachClause**: **"xxx"**,*//违约责任* **penaltyCondition**: **"xxx"**,*//保密协议违约处罚条件* **litigationLand**: **"xxx"**,*//诉讼地* **warrantyPeriod**: **"xxx"**,*//质保期(月)* **description**: **"xxx"**,*//描述* **recipientName**: **"张三"**,*//* **recipientTel**: **"188xxxx333"**,*//* **recipientAddr**: **"广东省佛山市"**,*//*}

参数格式：JSON

返回数据格式：

{  
 **errorCode**: **"0"**,  
 **errorMsg**: **"success"**,  
 **data**: “流程重提交成功”

}

* 1. 查询销售合同报表

Url：/api/sale-contract-statement/10/0

请求方式：POST

参数说明：

{

"serialNum":"",

"zhName":"",

"wfState":"active,completed",

"approvers":"",

"customerManager":"",

"saleArea":"",

"preSalePoCode":"",

"preSalePoName":"",

"customerCode":"",

"customerName":"",

"contractName":"",

"deliveryOrgName":"",

"createdDate":"2010-10-25,2019-11-25",

"lastModifiedDate":"",

"saleCategory":"实施/外包开发,硬件,自主软件"

}

参数格式：JSON

返回数据格式：{

  "errorCode": "0",

  "errorMsg": "success",

  "pageSize": 10,

  "pageNumber": 0,

  "countSize": 2071,

  "data": [

    {

      "serialNum": "XSHT1912300001",

      "zhName": "张炳申",

      "wfState": "active",

      "approvers": "张成康",

      "customerManager": "张炳申",

      "saleArea": "40华南销售二部",

      "preSalePoCode": "01GZ19070352",

      "preSalePoName": "华润三九财务资本梳理项目",

      "customerCode": "3W200510",

      "customerName": "华润三九医药股份有限公司",

      "contractName": "销售合同",

      "deliveryOrgName": "30行业五部\_子行业四部",

      "createdDate": "2019-12-30 11:49:24",

      "lastModifiedDate": "2019-12-30 11:49:24",

      "preSaleOwner": "熊辉",

      "customerBillAddr": "深圳市龙华区观湖街道观澜高新园区观清路1号",

      "productType": "CAMSTAR-深圳,BIEE及其他",

      "currency": "人民币",

      "contractEntity": "广州赛意信息科技股份有限公司",

      "bidNum": "",

      "preContractNum": "PLANCONTRACT1909051",

      "frameAgreementNum": "",

      "saleCategory": "实施/外包开发",

      "operAmount": null,

      "selfSoftAmount": null,

      "outSoftAmount": null,

      "hardAmount": null,

      "resourceAmount": 0.0,

      "contractTotalAmount": 500000.0,

      "contractTotalDay": 200.0,

      "standardPersonUnitPrice": 2500.0,

      "distAmount": 0.0,

      "predictDistTotalCost": 0.0,

      "predictDistGp": "0.00%",

      "predictHardSoftGp": "0.00%",

      "isBackToBack": null,

      "contractAbstract": "描述销售内容摘要",

      "breachClause": "描述销售内容摘要",

      "recipientName": "大脸",

      "recipientTel": "15233333333",

      "recipientAddr": "描述销售内容摘要",

      "riskPersonType": null,

      "accountProjectGp": "大于35%（优良）",

      "accountSupDescription": "38",

      "expressNum": null,

      "stampDate": null,

      "oldData": "0"

    },

......]

}

-- 以下是Cli接口，查询销售合，合同变更，预合同的视图

* 1. 查询框架协议单号

Url：/api/scontract/searchFrameNo?

scn=xx&pn=0&ps=10&pspc=xx&pspn=xx&cName=xx&cManager=xx

请求方式：GET

参数说明：scn=serial\_num;pspc=project\_code;pspn=project\_name;

cName=contract\_name;cManager=customer\_manager;ps=page\_size;pn=page\_num

参数格式：?xxx=xx&xxx=xx

返回数据格式：

{

"errorCode": "0",

"errorMsg": "success",

"pageSize": 10,

"pageNumber": 0,

"countSize": 121,

"data": [{

"serialNum": "RYJXSHT1912608",

"userId": 10558,

"zhName": "陈浩3",

"orgName": "40华南销售一部",

"customerManager": "陈浩3",

"saleArea": "40华南销售一部",

"contractNum": "",

"preSalePoCode": "01GZ19120594",

"preSaleOwner": "晏珍菊",

"bidNum": "",

"deliveryOrgName": "30行业五部\_子行业一部",

"preSalePoName": "佛山市法恩洁具有限公司IT框架协议2020",

"productType": "ORACLE EBS运维",

"contractName": "技术服务协议",

"customerCode": "3W201912115380",

"customerName": "佛山市法恩洁具有限公司",

"customerBillAddr": "",

"currency": "人民币",

"contractEntity": "广州赛意信息科技股份有限公司",

"saleCategory": "框架协议",

"isShExternal": false,

"frameAgreementNum": "",

"maintenancePeriod": 0,

"shCompany": "",

"implDevAmount": 0.00,

"implBuQuote": 0.00,

"implInvoiceTaxRate": "6%",

"operAmount": 0.00,

"operBuQuote": 0.00,

"operInvoiceTaxRate": "",

"selfSoftAmount": 0.00,

"selfBuQuote": 0.00,

"selfInvoiceTaxRate": "",

"outSoftAmount": 0.00,

"outPurchaseCost": 0.00,

"outInvoiceTaxRate": "",

"hardAmount": 0.00,

"hardPurchaseCost": 0.00,

"hardInvoiceTaxRate": "",

"resourceAmount": 0.00,

"resourcePurchaseCost": 0.00,

"resourceInvoiceTaxRate": "",

"isBackToBack": false,

"distAmount": 0.00,

"predictDistTotalCost": 0.00,

"predictDistGp": "0.00%",

"contractTotalDay": 0.00,

"standardPersonUnitPrice": 0.00,

"predictHardSoftGp": "0.00%",

"contractTotalAmount": 0.00,

"wfState": "completed",

"riskPersonType": "风险比例（%）",

"riskPersonValue": "10%",

"riskSupDescription": null,

"intellectualProperty": "1.对甲方安排乙方服务人员进行......",

"isLock": false,

"tmpUuid": "",

"extra": "",

"dataState": "1",

"oldData": "1",

"createdBy": "10558",

"createdDate": "2019-12-11 16:58:26",

"lastModifiedBy": "10558",

"lastModifiedDate": "2019-12-11 16:58:26"

},

......

]

}

* 1. 软硬件采购查找销售合同

Url：/api/scontract/purchaseSoftAndHard?ps=10&pn=0

&saleCategory=xx&scn=xx&pspc=xx&pspn=xx

请求方式：GET

参数说明：

scn=serial\_num;pspc=project\_code;pspn=project\_name;saleCategory=sale\_category;

ps=page\_size;pn=page\_num

参数格式：?xxx=xx&xxx=xx

返回数据格式：

{

"errorCode": "0",

"errorMsg": "success",

"pageSize": 10,

"pageNumber": 0,

"countSize": 2,

"data": [{

"serialNum": "RYJXSHT1911998",

"userId": 6025,

"zhName": "张炳申",

"orgName": "40华南销售二部",

"customerManager": "张炳申",

"saleArea": "40华南销售二部",

"contractNum": "",

"preSalePoCode": "01GZ19090475",

"preSaleOwner": "李辉",

"bidNum": null,

"deliveryOrgName": "20能量盒子子公司",

"preSalePoName": "开立生物财务先生项目",

"productType": "费用报销",

"contractName": "深圳开立生物医疗科技股份公司\r\n费控项目实施合同\r\n",

"customerCode": "3W7551001",

"customerName": "深圳开立生物医疗科技股份有限公司",

"customerBillAddr": null,

"currency": "人民币",

"contractEntity": "广州赛意信息科技股份有限公司",

"saleCategory": "实施/外包开发",

"isShExternal": false,

"frameAgreementNum": null,

"maintenancePeriod": null,

"shCompany": null,

"implDevAmount": 800000.00,

"implBuQuote": 800000.00,

"implInvoiceTaxRate": "6%",

"operAmount": 0.00,

"operBuQuote": 0.00,

"operInvoiceTaxRate": null,

"selfSoftAmount": 0.00,

"selfBuQuote": 0.00,

"selfInvoiceTaxRate": null,

"outSoftAmount": 0.00,

"outPurchaseCost": 0.00,

"outInvoiceTaxRate": null,

"hardAmount": 0.00,

"hardPurchaseCost": 0.00,

"hardInvoiceTaxRate": null,

"resourceAmount": 0.00,

"resourcePurchaseCost": 0.00,

"resourceInvoiceTaxRate": null,

"isBackToBack": false,

"distAmount": 0.00,

"predictDistTotalCost": 0.00,

"predictDistGp": "0.00%",

"contractTotalDay": 320.00,

"standardPersonUnitPrice": 2500.00,

"predictHardSoftGp": "0.00%",

"contractTotalAmount": 800000.00,

"wfState": "completed",

"riskPersonType": "风险金额",

"riskPersonValue": "10000",

"riskSupDescription": null,

"intellectualProperty": "双方共有",

"isLock": false,

"tmpUuid": null,

"extra": null,

"dataState": "1",

"oldData": "1",

"createdBy": "6025",

"createdDate": "2019-11-19 20:12:28",

"lastModifiedBy": "6025",

"lastModifiedDate": "2019-11-19 20:12:28"

},

......

]

}

* 1. 风险人天查询销售合同

Url：/api/scontract/risk/search?scn=xx&pn=0&ps=10

&pspc=xx&pspn=xx&uid=xx

请求方式：GET

参数说明：scn=serial\_num;pspc=project\_code;pspn=project\_name;

uid=user\_id;ps=page\_size;pn=page\_num

参数格式：?xxx=xx&xxx=xx

返回数据格式：

{

"errorCode": "0",

"errorMsg": "success",

"pageSize": 10,

"pageNumber": 0,

"countSize": 1,

"data": [{

"serialNum": "RYJXSHT1912608",

"userId": 10558,

"zhName": "陈浩3",

"orgName": "40华南销售一部",

"customerManager": "陈浩3",

"saleArea": "40华南销售一部",

"contractNum": "",

"preSalePoCode": "01GZ19120594",

"preSaleOwner": "晏珍菊",

"bidNum": "",

"deliveryOrgName": "30行业五部\_子行业一部",

"preSalePoName": "佛山市法恩洁具有限公司IT框架协议2020",

"productType": "ORACLE EBS运维",

"contractName": "技术服务协议",

"customerCode": "3W201912115380",

"customerName": "佛山市法恩洁具有限公司",

"customerBillAddr": "",

"currency": "人民币",

"contractEntity": "广州赛意信息科技股份有限公司",

"saleCategory": "框架协议",

"isShExternal": false,

"frameAgreementNum": "",

"maintenancePeriod": 0,

"shCompany": "",

"implDevAmount": 0.00,

"implBuQuote": 0.00,

"implInvoiceTaxRate": "6%",

"operAmount": 0.00,

"operBuQuote": 0.00,

"operInvoiceTaxRate": "",

"selfSoftAmount": 0.00,

"selfBuQuote": 0.00,

"selfInvoiceTaxRate": "",

"outSoftAmount": 0.00,

"outPurchaseCost": 0.00,

"outInvoiceTaxRate": "",

"hardAmount": 0.00,

"hardPurchaseCost": 0.00,

"hardInvoiceTaxRate": "",

"resourceAmount": 0.00,

"resourcePurchaseCost": 0.00,

"resourceInvoiceTaxRate": "",

"isBackToBack": false,

"distAmount": 0.00,

"predictDistTotalCost": 0.00,

"predictDistGp": "0.00%",

"contractTotalDay": 0.00,

"standardPersonUnitPrice": 0.00,

"predictHardSoftGp": "0.00%",

"contractTotalAmount": 0.00,

"wfState": "completed",

"riskPersonType": "风险比例（%）",

"riskPersonValue": "10%",

"riskSupDescription": null,

"intellectualProperty": "1.对甲方安排乙方服务人员进行的工作内容、甲......",

"isLock": false,

"tmpUuid": "",

"extra": "",

"dataState": "1",

"oldData": "1",

"createdBy": "10558",

"createdDate": "2019-12-11 16:58:26",

"lastModifiedBy": "10558",

"lastModifiedDate": "2019-12-11 16:58:26"

},

......

]

}

* 1. 销售合同根据售前项目编号查找预合同和投标报价数据

Url：/api/project/saleContract?pspc=xx

请求方式：GET

参数说明：pspc=project\_code;

参数格式：?xxx=xx

返回数据格式：

{

"data": {

"contractEntity": "广州赛意信息科技股份有限公司",

"isShExternal": false,

"implBuQuote": 268950.00,

"id": 100,

"implInvoiceTaxRate": "6%",

"implDevAmount": 268950.00,

"serialNum": "PLANCONTRACT1905247",

"orgName": "40华南销售三部",

"customerContactEmail": "chenlan@liby.com.cn",

"customerManager": "明艳",

"saleCategory": "实施/外包开发",

"saleArea": "40华南销售三部",

"dataState": "1",

"predictDistTotalAmount": 0.00,

"preSalePoName": "立白集团大前端人才中心二期建设项目",

"customerName": "广州立白企业集团有限公司",

"predictDistGp": 0.0000,

"oldData": "1",

"maintenancePeriod": 12,

"distAmount": 0.00,

"contractBackDate": "2019-07-15",

"customerCode": "3W200825",

"preSalePoCode": "01SD19050080",

"customerContactTel": "13632316766",

"contractTotalAmount": 268950.00,

"zhName": "明艳",

"customerContact": "陈兰",

"wfState": "completed",

"contractName": "立白集团大前端人才中心二期建设项目",

"currency": "人民币",

"contractAbstract": "人才中心二期建设项目，需求外包，按项目的模式结算。",

"preSaleOwner": "李砚",

"productType": "技术外包-非深圳",

"lastModifiedDate": "2019-05-31T11:40:26",

"lastModifiedBy": "1940",

"standardPersonUnitPrice": 1174.00,

"customerManagerId": "1940",

"userId": 1940,

"deliveryOrgName": "40综合交付一部",

"predictHardSoftGp": 0.0000,

"createdDate": "2019-05-31T11:40:26",

"customerBillAddr": "广州市荔湾区陆居路二号",

"createdBy": "1940",

"bidNum": "TBBJSQ1905126",

"contractTotalDay": 229.00

},

"fromEntity": "YHT",

"errorCode": "0",

"errorMsg": "COMPELETED"

}

* 1. 合同变更查找销售合同数据

Url：/api/saleContract/changeContract?

scn=xx&pn=0&ps=10&pspc=xx&pspn=xx&cName=xx&cManager=xx

请求方式：GET

参数说明：scn=serial\_num;pspc=project\_code;pspn=project\_name;

cName=contract\_name;cManager=customer\_manager;ps=page\_size;pn=page\_num

参数格式：?xxx=xx

返回数据格式：

{

"errorCode": "0",

"errorMsg": "success",

"pageSize": 10,

"pageNumber": 0,

"countSize": 1,

"data": [

{

"serialNum": "HTBGS1906067",

"userId": 6061,

"zhName": "陈吉德",

"orgName": null,

"customerManager": "陈吉德",

"saleArea": "40华南销售一部",

"contractNum": "RYJXSHT19051586",

"preSalePoCode": "01GZ19030127",

"preSaleOwner": "邓伟国",

"bidNum": null,

"deliveryOrgName": "20行业五部",

"preSalePoName": "欧派QMS项目2019",

"productType": "S-MOM-QMS 质量管理",

"contractName": "欧派家居集团QMS质量信息管理项目实施合同书\r\n",

"customerCode": "3W200770",

"customerName": "欧派家居集团股份有限公司",

"customerBillAddr": "广州市白云区广花三路366号",

"currency": "人民币",

"contractEntity": "广州赛意信息科技股份有限公司",

"saleCategory": "实施/外包开发,资源采购,自主软件",

"isShExternal": false,

"frameAgreementNum": null,

"maintenancePeriod": null,

"shCompany": null,

"implDevAmount": 1437800.00,

"implBuQuote": 1437800.00,

"implInvoiceTaxRate": "6%",

"operAmount": 0.00,

"operBuQuote": 0.00,

"operInvoiceTaxRate": null,

"selfSoftAmount": 202700.00,

"selfBuQuote": 202700.00,

"selfInvoiceTaxRate": "13%",

"outSoftAmount": 0.00,

"outPurchaseCost": 0.00,

"outInvoiceTaxRate": null,

"hardAmount": 0.00,

"hardPurchaseCost": 0.00,

"hardInvoiceTaxRate": null,

"resourceAmount": 289500.00,

"resourcePurchaseCost": 289500.00,

"resourceInvoiceTaxRate": "3%",

"isBackToBack": false,

"distAmount": 289500.00,

"predictDistTotalCost": 289500.00,

"predictDistGp": "0.00%",

"contractTotalDay": 700.00,

"standardPersonUnitPrice": 2471.00,

"predictHardSoftGp": "0.00%",

"contractTotalAmount": null,

"wfState": "completed",

"riskPersonType": null,

"riskPersonValue": null,

"riskSupDescription": null,

"intellectualProperty": "一、\t知识产权\r\n与本合同......",

"isLock": false,

"tmpUuid": null,

"extra": null,

"dataState": "1",

"oldData": "1",

"createdBy": "6061",

"createdDate": "2019-06-17 10:25:51",

"lastModifiedBy": "6061",

"lastModifiedDate": "2019-06-17 10:25:51"

},

......

]

}

* 1. 通过单号查找销售合同或者合同变更

Url：/api/saleContract/contractDetail?serialNum=xx

请求方式：GET

参数说明：serialNum=serial\_num;

参数格式：?xxx=xx

返回数据格式：

{

"data": {

"litigationLand": "",

"recipientName": "曹刚",

"id": 12574,

"recipientTel": "020-39908145",

"serialNum": "RYJXSHT1709091",

"saleCategory": "软件",

"penaltyCondition": "",

"customerName": "日立电梯（中国）有限公司",

"customerCode": "3O200067",

"preSalePoCode": "01GZ17050130",

"stampDate": "2017-05-15 00:00:00",

"userId": 10046,

"createdDate": "2017-09-18 17:10:49",

"riskPersonType": "无",

"isShExternal": false,

"intellectualProperty": "",

"customerManager": "胡业丰",

"dataState": "1",

"preSalePoName": "Oracle软件采购合同-BI",

"oldData": "1",

"description": "5月的订单，补流程。附件为用户盖章合同扫描件，双方盖章的合同已在当月交销售管理部。",

"isBackToBack": false,

"isLock": false,

"contractTotalAmount": 1577512,

"warrantyPeriod": 0,

"zhName": "胡业丰",

"extra": "",

"wfState": "completed",

"contractName": "Oracle软件采购合同-BI",

"contractAbstract": "",

"lastModifiedDate": "2017-09-18 17:10:49",

"lastModifiedBy": "10046",

"acceptCondition": "",

"deliveryOrgName": "30华南区域",

"breachClause": "",

"createdBy": "10046",

"contractId": 8585,

"recipientAddr": ""

},

"formEntity": "XSHT",

"errorCode": "0"

}

-- 以下是Cli的公用方法，调的Service接口

* 1. 保存销售合同审批意见

Url：/api/saleContract/save/opinion

请求方式：POST

参数说明：

{

"serialNum": "XSHT1911070007",

"pbConditionDeviation": "否",

"warrantyDeviation": "否",

"intellectualDeviation": "否",

"breachDeviation": "否",

"penaltyDeviation": "否",

"litigationDeviation": "否",

"riskPersonType": "风险金额",

"riskPersonValue": "520000",

"accountProjectGp": "30%~35%（合格）",

"accountSupDescription": "32%",

"stampDate":"2019-11-30 00:00:00"

......

}

参数格式：JSON

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

* 1. 更新销售合同业务数据状态

Url：/api/saleContract/update/wfstate/{serinalNum}/{state}

请求方式：POST

参数说明：

参数格式：/api/saleContract/update/wfstate/xxx/xxx

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

* 1. 软删除销售合同业务数据

Url：/api/removeSaleContractBySerialNum/{serialNum}/{situation}

请求方式：GET

参数说明：situation为驳回重提交的流转方式，值为cancel时不删除审批意见表数据

参数格式：/api/removeSaleContractBySerialNum/xxx/xxx

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

* 1. 硬删除销售合同业务数据

Url：/api/delete/sale/bySn?sn=xx

请求方式：Get

参数说明：sn=serial\_num

参数格式：?sn=xx

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

-- 以下是Cli的公用方法，关于销售合同草稿，调的Service接口

* 1. 保存销售合同草稿

Url：/api/saleContract/save/draft

请求方式：POST

参数说明：

{

"zhName":"卢班班",

"orgName":"40方案中心",

"customerManager":"陈吉德",

"saleArea":"40华南销售一部",

"preSalePoCode":"01GZ19060294",

"preSaleOwner":"何辉",

"preSalePoName":"欧派成都工厂AGV项目2019",

"productType":"INFORWMS",

"contractName":"测试类别",

"customerCode":"3W200770",

"customerName":"欧派家居集团股份有限公司",

"customerBillAddr":"收保证金的帐号",

"currency":"人民币",

"contractEntity":"广州赛意信息科技股份有限公司",

"deliveryOrgName":"20行业五部",

"bidNum":"TBBJSQ1907536",

"preContractNum":"YHT1911060004",

"saleCategory":"硬件,硬件,实施/外包开发,实施/外包开发,资源采购,资源采购,框架协议,框架协议,框架下人天外包(PO),框架下人天外包(PO),运维,运维,自主软件,自主软件,外购软件,外购软件",

"isShExternal":false,

"frameAgreementNum":"XSHT1910411",

"maintenancePeriod":13,

"implDevAmount":41414141,

"implBuQuote":123213,

"implInvoiceTaxRate":"6%",

"operAmount":124,

"operBuQuote":123123,

"operInvoiceTaxRate":"3%",

"selfSoftAmount":123123,

"selfBuQuote":2313,

"selfInvoiceTaxRate":"6%",

"outSoftAmount":1414,

"outPurchaseCost":231,

"outInvoiceTaxRate":"3%",

"hardAmount":13231,

"hardPurchaseCost":12331,

"hardInvoiceTaxRate":"13%",

"resourceAmount":41242,

"resourcePurchaseCost":1313,

"resourceInvoiceTaxRate":"6%",

"isBackToBack":false,

"distAmount":55887,

"predictDistTotalCost":13875,

"predictDistGp":0.7517,

"contractTotalDay":13,

"standardPersonUnitPrice":2000,

"predictHardSoftGp":0.1422,

"contractTotalAmount":41593275,

"contractAbstract":"发发发",

"intellectualProperty":"阿萨大·",

"acceptCondition":"阿萨大·",

"breachClause":"阿萨大·",

"penaltyCondition":"vv阿萨大·",

"litigationLand":"阿萨大·",

"warrantyPeriod":"2",

"description":"阿萨大·",

"billingType":"项目制结算",

"recipientName":"a's'd",

"recipientTel":"13122312321",

"recipientAddr":"阿萨大大撒啊·",

"riskPersonType":"风险金额",

"riskPersonValue":"22",

"riskSupDescription":"阿萨苏打水",

"conditions":

[

{

"pbOrder":1,

"saleCategory":"实施/外包开发",

"pbPhase":"测试款",

"pbCondition":"a's'd",

"pbDay":"2",

"pbRatio":"100",

"predictDate":"2019-11-12",

"predictAmount":"41414100",

"remark":"撒大·"

}

],

"userId":14156,

"shCompany":"",

"contractServiceBeginDate":"2019-11-11",

"contractServiceEndDate":"2019-11-30",

"tmpUuid":"4613cece-3ee3-45ed-bc61-f9e6404aa6ee"

}

参数格式：JSON

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

* 1. 删除销售合同草稿

Url：/api/saleContract/delete/draft/{id}

请求方式：GET

参数说明：

参数格式：/api/saleContract/delete/draft/1

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

* 1. 查询销售合同草稿基表详情

Url：/api/saleContract/draftDetail/{id}

请求方式：GET

参数说明：

参数格式：/api/saleContract/draftDetail/1

返回数据格式：

{

"errorCode": "0",

"errorMsg": "success",

"data": {

"id": 8667,

"serialNum": null,

"userId": 218,

"zhName": "曹金乔",

"orgName": "30华东销售部",

"customerManager": "曹金乔",

"saleArea": "",

"preSalePoCode": "03SH18010005",

"preSaleOwner": "",

"preSalePoName": "不二家（杭州）2017年度ERP系统安定运维支持项目",

"productType": "运维",

"contractName": "不二家（杭州）2017年度ERP系统安定运维支持项目",

"customerCode": "3W210451",

"customerName": "富士通（中国）信息系统有限公司",

"customerBillAddr": "",

"currency": "",

"contractEntity": "",

"deliveryOrgName": "20运维服务部",

"billingType": null,

"contractServiceBeginDate": null,

"contractServiceEndDate": null,

"bidNum": "",

"preContractNum": "",

"saleCategory": "运维",

"isShExternal": false,

"frameAgreementNum": "",

"maintenancePeriod": 0,

"shCompany": "",

"implDevAmount": 0.00,

"implBuQuote": 0.00,

"implInvoiceTaxRate": "",

"operAmount": 58800.00,

"operBuQuote": 58800.00,

"operInvoiceTaxRate": "6%",

"selfSoftAmount": 0.00,

"selfBuQuote": 0.00,

"selfInvoiceTaxRate": "",

"outSoftAmount": 0.00,

"outPurchaseCost": 0.00,

"outInvoiceTaxRate": "",

"hardAmount": 0.00,

"hardPurchaseCost": 0.00,

"hardInvoiceTaxRate": "",

"resourceAmount": 0.00,

"resourcePurchaseCost": 0.00,

"resourceInvoiceTaxRate": "",

"isBackToBack": false,

"distAmount": 0.00,

"predictDistTotalCost": 0.00,

"predictDistGp": "0.00%",

"contractTotalDay": 0.00,

"standardPersonUnitPrice": 0.00,

"predictHardSoftGp": "",

"contractTotalAmount": 58800.00,

"riskPersonType": null,

"riskPersonValue": null,

"riskSupDescription": null,

"wfState": null,

"isLock": false,

"tmpUuid": "",

"extra": "",

"dataState": "-2",

"oldData": null,

"createdBy": "218",

"createdDate": "2018-01-18 10:42:33",

"lastModifiedBy": "218",

"lastModifiedDate": "2018-01-18 10:42:33"

}

}

* 1. 查询销售合同草稿摘要表详情

Url：/api/saleContract/abstract/draftDetail/{id}

请求方式：GET

参数说明：

参数格式：/api/saleContract/abstract/draftDetail/1

返回数据格式：

{

"errorCode": "0",

"errorMsg": "success",

"data": {

"id": 14634,

"contractId": 8668,

"serialNum": null,

"contractAbstract": "",

"intellectualProperty": "",

"acceptCondition": "",

"breachClause": "",

"penaltyCondition": "",

"litigationLand": "",

"warrantyPeriod": 0,

"description": "请尽快盖章邮件，以便客户尽快附件后项目启动。谢谢",

"recipientName": "刘杰",

"recipientTel": "18796245430",

"recipientAddr": "",

"wfState": null,

"extra": "",

"dataState": "-2",

"oldData": null,

"createdBy": "11805",

"createdDate": "2017-12-07 13:52:09",

"lastModifiedBy": "11805",

"lastModifiedDate": "2017-12-07 13:52:09"

}

}

* 1. 查询销售合同草稿回款信息表详情

Url：/api/saleContract/payback/draftDetail/{id}

请求方式：GET

参数说明：

参数格式：saleContract/payback/draftDetail/1

返回数据格式：

{

"errorCode": "0",

"errorMsg": "success",

"data": [

{

"id": 15193,

"contractId": 8665,

"serialNum": null,

"pbOrder": 0,

"saleCategory": "实施/外包开发",

"pbPhase": "1首期款",

"pbCondition": "合同签署日起10工作日内支付30%",

"pbDay": 0.00,

"pbRatio": "30",

"predictDate": "2017-07-10",

"predictAmount": 765000.00,

"remark": "",

"wfState": null,

"extra": "",

"dataState": "-2",

"oldData": null,

"createdBy": "4349",

"createdDate": "2018-11-28 14:13:29",

"lastModifiedBy": "4349",

"lastModifiedDate": "2018-11-28 14:13:29"

},

......

]

}

* 1. 销售合同暂存草稿数据（暂存功能）

Url：/api/saleContract/save/temp

请求方式：POST

参数说明：

{

"serialNum": "XSHT1912300001",

"zhName": "张炳申",

"orgName": "40华南销售二部",

"customerManager": "张炳申",

"saleArea": "40华南销售二部",

"preSalePoCode": "01GZ19070352",

"preSaleOwner": "熊辉",

"preSalePoName": "华润三九财务资本梳理项目",

"productType": "CAMSTAR-深圳,BIEE及其他",

"contractName": "销售合同",

"customerCode": "3W200510",

"customerName": "华润三九医药股份有限公司",

"customerBillAddr": "深圳市龙华区观湖街道观澜高新园区观清路1号",

"currency": "人民币",

"contractEntity": "广州赛意信息科技股份有限公司",

"deliveryOrgName": "30行业五部\_子行业四部",

"bidNum": "",

"preContractNum": "PLANCONTRACT1909051",

"saleCategory": "实施/外包开发",

"isShExternal": false,

"frameAgreementNum": "",

"maintenancePeriod": "",

"shCompany": "",

"implDevAmount": "500000",

"implBuQuote": "500000",

"implInvoiceTaxRate": "6%",

"operAmount": "",

"operBuQuote": "",

"operInvoiceTaxRate": "",

"selfSoftAmount": "",

"selfBuQuote": "",

"selfInvoiceTaxRate": "",

"outSoftAmount": "",

"outPurchaseCost": "",

"outInvoiceTaxRate": "",

"hardAmount": "",

"hardPurchaseCost": "",

"hardInvoiceTaxRate": "",

"resourceAmount": "0",

"resourcePurchaseCost": "0",

"resourceInvoiceTaxRate": "",

"isBackToBack": false,

"distAmount": 0,

"predictDistTotalCost": 0,

"predictDistGp": "0.00%",

"contractTotalDay": "200",

"standardPersonUnitPrice": "2500",

"predictHardSoftGp": "0.00%",

"contractTotalAmount": 500000,

"contractAbstract": "描述销售内容摘要",

"intellectualProperty": "描述销售内容摘要",

"acceptCondition": "描述销售内容摘要",

"breachClause": "描述销售内容摘要",

"penaltyCondition": "描述销售内容摘要",

"litigationLand": "描述销售内容摘要",

"warrantyPeriod": "11",

"description": "描述销售内容摘要",

"billingType": "运维按月结算",

"contractServiceBeginDate": "2019-12-01",

"contractServiceEndDate": "2019-12-31",

"recipientName": "大脸",

"recipientTel": "15233333333",

"recipientAddr": "描述销售内容摘要",

"conditions": [{

"pbOrder": 1,

"saleCategory": "实施/外包开发",

"pbPhase": "终验款",

"pbCondition": "天天",

"pbDay": 11,

"pbRatio": "100",

"predictDate": "2019-12-26",

"predictAmount": 500000,

"remark": ""

}],

"userId": 6025,

"tmpUuid": "81e8f054-08bc-47b3-ab19-8ea4c38426e3"

}

参数格式：JSON

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

* 1. Service接口，销售合同，合同变更公用方法，插入数据到ERP

Url：/api/syncErp/saleContractDetail/{serinalNum}/{wfState}

请求方式：GET

参数说明：

参数格式：/api/syncErp/saleContractDetail/XSHT1912300001/(active或者completed)

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

* 1. Cli接口，预合同通过售前编码查找销售合同提交过的数据

Url：/api/preContract/findSaleContract?pspc=xx

请求方式：GET

参数说明：pspc=project\_code

参数格式：?xxx=xx

返回数据格式：

{

"errorCode": "0",

"errorMsg": "INUSE/UNUSE",

"data": null

}

* 1. ERP接口，公用方法，查询供应商信息

Url：/api/saipVendors/bySgAndVd?s1=xx&vn=xx&on=xx&pn=10&ps=10

请求方式：GET

参数说明：s1=vendor\_code;vn=vendor\_name;on=org\_name;pn=page\_num;ps=page\_size;

参数格式：?xxx=xx&xxx=xx

返回数据格式：

{

"errorCode": "0",

"errorMsg": "success",

"pageSize": 10,

"pageNumber": 13,

"countSize": 157,

"data": [

{

"vendorCode": "G0000002",

"vendorName": "甲骨文（中国）软件系统有限公司",

"taxpayerId": null,

"vendorAddr": "北京",

"accountEntryUnit": "广州能量盒子科技有限公司"

},

{

"vendorCode": "G0000013",

"vendorName": "广州科谱信息科技有限公司",

"taxpayerId": null,

"vendorAddr": "广州",

"accountEntryUnit": "广州能量盒子科技有限公司"

},

......

]

}

1. 表结构设计

销售合同主表（sie\_sale\_contract\_t）

| **字段名** | **字段说明** | **是否为空** | **字段类型** | **备注** |
| --- | --- | --- | --- | --- |
| Id | 序列号 | 否 | Long | 唯一序列号 |
| serial\_num | 流水号 | 否 | String | 无 |
| user\_id | 申请人id | 否 | Integer | 无 |
| zh\_name | 申请人中文名 | 否 | String | 无 |
| org\_name | 所属部门名称 | 否 | String | 无 |
| customer\_manager | 客户经理 | 否 | String | 无 |
| sale\_area | 销售区域 | 否 | String | 无 |
| pre\_sale\_po\_code | 售前项目编码 | 否 | String | 无 |
| pre\_sale\_owner | 售前负责人 | 否 | String | 无 |
| pre\_sale\_po\_name | 售前项目名称 | 否 | String | 无 |
| product\_type | 产品类型 | 否 | String | 无 |
| contract\_name | 合同名称 | 否 | String | 无 |
| customer\_code | 客户编码 | 否 | String | 无 |
| customer\_name | 客户名称 | 否 | String | 无 |
| customer\_bill\_addr | 客户开票地址 | 否 | String | 无 |
| Currency | 币种 | 否 | String | 无 |
| contract\_entity | 签约主体 | 否 | String | 无 |
| delivery\_org\_name | 交付主导部门 | 否 | String | 无 |
| bid\_num | 报价单号 | 否 | String | 无 |
| pre\_contract\_num | 预合同单号 | 否 | String | 无 |
| sale\_category | 销售类别 | 否 | String | 无 |
| is\_sh\_external | 软硬件是否对外采购 | 否 | Boolean | 无 |
| frame\_agreement\_num | 框架协议单号 | 否 | String | 无 |
| maintenance\_period | 维保期 | 否 | Integer | 无 |
| sh\_company | 软硬件对应厂商 | 否 | String | 无 |
| billing\_type | 结算类型 | 否 | String | 无 |
| contract\_service\_begin\_date | 合同服务开始日期 | 否 | String | 无 |
| contract\_service\_end\_date | 合同服务结束日期 | 否 | String | 无 |
| impl\_dev\_amount | 实施/外包开发金额 | 否 | Decimal | 无 |
| impl\_bu\_quote | 事业部报价 | 否 | Decimal | 无 |
| impl\_invoice\_tax\_rate | 发票税率（实施） | 否 | String | 无 |
| oper\_amount | 运维金额 | 否 | Decimal | 无 |
| oper\_bu\_quote | 事业部报价（运维） | 否 | Decimal | 无 |
| oper\_invoice\_tax\_rate | 发票税率（运维） | 否 | String | 无 |
| self\_soft\_amount | 自主软件金额 | 否 | Decimal | 无 |
| self\_bu\_quote | 事业部报价（自主软件） | 否 | Decimal | 无 |
| self\_invoice\_tax\_rate | 发票税率（自主软件） | 否 | String | 无 |
| out\_soft\_amount | 外购软件金额 | 否 | Decimal | 无 |
| out\_purchase\_cost | 预计采购成本（外购软件） | 否 | Decimal | 无 |
| out\_invoice\_tax\_rate | 发票税率（外购软件） | 否 | String | 无 |
| hard\_amount | 硬件金额 | 否 | Decimal | 无 |
| hard\_purchase\_cost | 预计采购成本（硬件） | 否 | Decimal | 无 |
| hard\_invoice\_tax\_rate | 发票税率（硬件） | 否 | String | 无 |
| resource\_amount | 资源采购金额 | 否 | Decimal | 无 |
| resource\_purchase\_cost | 预计采购成本（资源采购） | 否 | Decimal | 无 |
| resource\_invoice\_tax\_rate | 发票税率（资源采购） | 否 | String | 无 |
| is\_back\_to\_back | 是否背靠背 | 否 | Boolean | 无 |
| dist\_amount | 分销总金额 | 否 | Decimal | 无 |
| predict\_dist\_total\_cost | 预计分销总成本 | 否 | Decimal | 无 |
| predict\_dist\_gp | 预计分销毛利 | 否 | String | 无 |
| contract\_total\_day | 合同总人天 | 否 | Decimal | 无 |
| standard\_person\_unit\_price | 人天标准单价 | 否 | Decimal | 无 |
| predict\_hard\_soft\_gp | 预计软硬件毛利 | 否 | String | 无 |
| contract\_total\_amount | 合同总金额 | 否 | Decimal | 无 |
| risk\_person\_type | 风险人天 | 是 | String | 无 |
| risk\_person\_value | 风险人天值 | 是 | String | 无 |
| risk\_sup\_description | 补充说明 | 是 | String | 无 |
| is\_lock | 是否锁单 | 否 | Boolean | 无 |
| wf\_state | 流程状态 | 否 | String | 无 |
| tmp\_uuid | 临时关联uuid | 否 | String | 无 |
| Extra | 扩展字段 | 否 | String | 无 |
| data\_state | 数据状态 | 否 | String | 无 |
| old\_data | 新旧数据标识 | 否 | String | 无 |
| created\_by | 创建人 | 否 | String | 无 |
| created\_date | 创建日期 | 否 | DateTime | 无 |
| last\_modified\_by | 最后修改人 | 否 | String | 无 |
| last\_modified\_date | 最后修改时间 | 否 | DateTime | 无 |

销售合同回款条件（sie\_sale\_contract\_pb\_t）

| **字段名** | **字段说明** | **是否为空** | **字段类型** | **备注** |
| --- | --- | --- | --- | --- |
| id | 序列号 | 否 | Long | 唯一序列号 |
| contract\_id | 合同id | 否 | Long | 唯一序列号 |
| serial\_num | 流水号 | 否 | String | 无 |
| pb\_order | 回款顺序 | 否 | Integer | 无 |
| sale\_category | 销售类别 | 否 | String | 无 |
| pb\_phase | 回款阶段 | 否 | String | 无 |
| pb\_condition | 回款条件 | 否 | String | 无 |
| pb\_day | 回款天数 | 否 | Decimal | 无 |
| pb\_ratio | 回款比例 | 否 | String | 无 |
| predict\_date | 预计回款日期 | 否 | String | 无 |
| predict\_amount | 预计回款金额 | 否 | Integer | 无 |
| remark | 备注 | 否 | String | 无 |
| wf\_state | 流程状态 | 否 | String | 无 |
| extra | 扩展字段 | 否 | String | 无 |
| old\_data | 新旧数据标识 | 否 | String | 无 |
| data\_state | 数据状态 | 否 | String | 无 |
| created\_by | 创建人 | 否 | String | 无 |
| created\_date | 创建日期 | 否 | DateTime | 无 |
| last\_modified\_by | 最后修改人 | 否 | String | 无 |
| last\_modified\_date | 最后修改时间 | 否 | DateTime | 无 |

销售合同摘要（sie\_sale\_contract\_abstract\_t）

| **字段名** | **字段说明** | **是否为空** | **字段类型** | **备注** |
| --- | --- | --- | --- | --- |
| id | 序列号 | 否 | Long | 唯一序列号 |
| contract\_id | 合同id | 否 | Long | 唯一序列号 |
| serial\_num | 流水号 | 否 | String | 无 |
| contract\_abstract | 描述销售内容摘要 | 否 | text | 无 |
| intellectual\_property | 知识产权 | 否 | String | 无 |
| accept\_condition | 验收条件 | 否 | String | 无 |
| breach\_clause | 违约责任 | 否 | String | 无 |
| penalty\_condition | 保密协议违约处罚条件 | 否 | String | 无 |
| litigation\_land | 诉讼地 | 否 | String | 无 |
| warranty\_period | 质保期 | 否 | Integer | 无 |
| description | 描述 | 否 | String | 无 |
| recipient\_name | 收件人姓名 | 否 | String | 无 |
| recipient\_tel | 收件人电话 | 否 | String | 无 |
| recipient\_addr | 收件人地址 | 否 | String | 无 |
| wf\_state | 流程状态 | 否 | String | 无 |
| extra | 扩展字段 | 否 | String | 无 |
| old\_data | 新旧数据标识 | 否 | String | 无 |
| data\_state | 数据状态 | 否 | String | 无 |
| created\_by | 创建人 | 否 | String | 无 |
| created\_date | 创建日期 | 否 | DateTime | 无 |
| last\_modified\_by | 最后修改人 | 否 | String | 无 |
| last\_modified\_date | 最后修改时间 | 否 | DateTime | 无 |

销售合同审批意见表（sie\_sale\_contract\_opinion\_t）

| **字段名** | **字段说明** | **是否为空** | **字段类型** | **备注** |
| --- | --- | --- | --- | --- |
| id | 序列号 | 否 | Long | 唯一序列号 |
| contract\_id | 合同id | 否 | Long | 唯一序列号 |
| serial\_num | 流水号 | 否 | String | 无 |
| pb\_condition\_deviation | 回款条件偏离 | 否 | String | 无 |
| pb\_not\_description | 不适用说明 | 否 | String | 无 |
| warranty\_deviation | 质保期偏离 | 否 | String | 无 |
| warranty\_not\_description | 不适用说明 | 否 | String | 无 |
| intellectual\_deviation | 知识产权偏离 | 否 | String | 无 |
| intellectual\_not\_description | 不适用说明 | 否 | String | 无 |
| breach\_deviation | 违约责任偏离 | 否 | String | 无 |
| breach\_not\_description | 不适用说明 | 否 | String | 无 |
| penalty\_deviation | 保密赔偿偏离 | 否 | Varchar(20) | 无 |
| penalty\_not\_description | 不适用说明 | 否 | String | 无 |
| litigation\_deviation | 诉讼地偏离 | 否 | String | 无 |
| litigation\_not\_description | 不适用说明 | 否 | String | 无 |
| risk\_person\_type | 风险人天 | 否 | String | 无 |
| risk\_person\_value | 风险人天值 | 否 | String | 无 |
| risk\_sup\_description | 补充说明 | 否 | String | 无 |
| account\_project\_gp | 核算项目毛利 | 否 | Varchar(20) | 无 |
| account\_sup\_description | 补充说明 | 否 | String | 无 |
| account\_supplement | 核算项目毛利补充说明 | 否 | String | 无 |
| stamp\_date | 盖章/归档时间 | 否 | Date | 无 |
| express\_company | 快递公司 | 否 | String | 无 |
| express\_num | 快递单号 | 否 | String | 无 |
| remark | 备注 | 否 | String | 无 |
| project\_location | 项目所在地 | 否 | String | 无 |
| include\_or\_not\_accommodation | 是否包含住宿 | 否 | String | 无 |
| product\_department | 项目所属部门 | 否 | String | 无 |
| data\_state | 数据状态 | 否 | String | 无 |
| old\_data | 新旧数据标识 | 否 | String | 无 |
| created\_by | 创建人 | 否 | String | 无 |
| created\_date | 创建日期 | 否 | DateTime | 无 |
| last\_modified\_by | 最后修改人 | 否 | String | 无 |
| last\_modified\_date | 最后修改时间 | 否 | DateTime | 无 |

# 合同变更申请

1. 原型设计
2. 前台设计

无

1. 后台设计

无

1. 服务接口
   1. 查询售前项目编码 (数据源为ERP)

接口来自预合同

* 1. 合同变更详情

Url：/api/cgcontract/detail/p1?sn=xx

请求方式：GET

参数说明：sn=serial\_num;

参数格式：?xxx=xx&xxx=dd

返回数据格式：

{  
 **errorCode**: **"0"**,  
 **errorMsg**: **"success"**,  
 **data**: {  
 "**zhName**": **"张定维"**,  
 "**orgName**": **"销售一部"**,

"**customerManager**": **"张定维"**,

"**saleArea**": **"40华南区域"**,

"**contractNum**": **"XSHT1905212320"**,

"**preSalePoCode**": **"01GZ19060222"**,

"**preSaleOwner**": **"售前负责人"**,

"**bidNum**": **"TBBJ190500101"**,

"**preSalePoName**": **"华润三九通用技术框架外包项目"**,

"**productType**": **"技术外包-深圳"**,

"**contractName**": **"ERP项目"**,

"**customerName**": **"华润三九医药股份有限公司"**,

"**customerCode**": **"3W200510"**,

"**customerBillAddr**": **"深圳龙岗"**,

"**currency**": **"CNY"**,

"**contractEntity**": **"广州赛意信息科技股份有限公司"**,

"**deliveryOrgName**": **"20行业五部"**,

"**saleStage**": **"投保报价并商务洽谈 "**,

"**isShExternal**": **"否"**,

"**frameAgreementNum**": **"否"**,

"**maintenancePeriod**": **"否"**,

"**shCompany**": **"INFOR"**,

"**implDevAmount**": **100.05**,

"**implBuQuote** ": **100.50**,

"**implInvoiceTaxRate**": **"6%"**,

" **operAmount**": **50.05**,

" **operBuQuote**": **10.25**,

" **operInvoiceTaxRate**": **"6%"**,

"**selfAmount**": **8.25**,

"**selfBuQuote**": **6.25**,

" **selfInvoiceTaxRate**": **"10%"**,

"**outAmount**": **8.25**,

"**outPurchaseCost**": **5.15**,

"**outInvoiceTaxRate**": **"10%"**,

"**hardAmount**": **7.25**,

"**hardPurchaseCost** ": **7.05**,

"**hardInvoiceTaxRate** ": **"6%"**,

"**resourceAmount**": **7.25**,

"**resourcePurchaseCost** ": **7.05**,

"**resourceInvoiceTaxRate** ": **"6%"**,

"**isBackToBack**": **"是"**,

"**distAmount**": **6.35**,

"**predictDistTotalCost**": **6.05**,

"**predictDistGp**": **0.2**,

"**contractTotalDay**": **50**,

"**standardPersonUnitPrice**": **1000.5**,

"**predictHardSoftGp**": **0.21**,

"**contractTotalAmount**": **1000**,

"**isLock**": **58**,

" **extra**": **"xxx"**

}  
}

* 1. 合同变更回款信息详情

Url：/api/cgcontract/detail/p2?sn=xx

请求方式：GET

参数说明：sn=serial\_num;

参数格式：?xxx=xx&xxx=dd

返回数据格式：

{  
 **errorCode**: **"0"**,  
 **errorMsg**: **"success"**,  
 **data**: [{  
 "**pbOrder**": **"1"**,  
 "**saleCategory**": **"硬件"**,

"**pbPhase**": **"硬件款"**,

"**pbCondition**": **"本合同生效后"**,

"**pbDay**": **"50"**,

"**pbRatio**": **"20%"**,

"**predictDate**": **"2019-05-09"**,

"**predictAmount**": **"50000"**,

"**remark**": **"ERP项目xxx"**

}]  
}

* 1. 合同变更摘要详情

Url：/api/cgcontract/detail/p3?sn=xx

请求方式：GET

参数说明：sn=serial\_num;

参数格式：?xxx=xx&xxx=dd

返回数据格式：

{  
 **errorCode**: **"0"**,  
 **errorMsg**: **"success"**,  
 **data**: [{  
 "**contractAbstract**": **"xxxx"**,  
 "**intellectualProperty**": **"xxxx"**,

"**acceptCondition**": **"xxx"**,

"**breachClause**": **"本合同生效后"**,

"**penaltyCondition**": **"xxx"**,

"**litigationLand**": **"顺德"**,

"**warrantyPeriod**": **"9"**,

"**predictAmount**": **"50000"**,

"**description**": **"ERP项目xxx"**,

"**recipientName**": **"张三"**,

"**recipientTel**": **"188xxxx333"**,

"**recipientAddr**": **"广东省佛山市"**

}]  
}

* 1. 合同变更审批意见详情

Url：/api/cgcontract/detail/opinion?sn=xx

请求方式：GET

参数说明：sn=serial\_num;

参数格式：?xxx=xx&xxx=dd

返回数据格式：

{  
 **errorCode**: **"0"**,  
 **errorMsg**: **"success"**,  
 **data**: {  
 "**changeId**": **123456**,

" **riskPersonType**": **"xxx"**,

" **riskPersonValue**": **"xxx"**,

" **riskSupDescription**": **"xxx"**,

" **accountProjectGp**": **"xxx"**,

" **accountSupDescription**": **"xxx"**,

" **stampDate**": **"xxx"**,

" **expressNum**": **"xxx"**,

" **remark**": **"xxx"**

}  
}

* 1. 合同变更提交服务

Url：/api/contractChange/start

请求方式：POST

参数说明：

{  
 "**zhName**": **"张定维"**,  
 "**orgName**": **"销售一部"**,

"**customerManager**": **"张定维"**,

"**saleArea**": **"40华南区域"**,

"**preSalePoCode**": **"01GZ19060222"**,

"**contractNum**": **"XSHT1906051001"**,

"**preSaleOwner**": **"售前负责人"**,

"**preSalePoName**": **"华润三九通用技术框架外包项目"**,

"**productType**": **"技术外包-深圳"**,

"**contractName**": **"ERP项目"**,

"**customerName**": **"华润三九医药股份有限公司"**,

"**customerCode**": **"3W200510"**,

"**customerBillAddr**": **"深圳龙岗"**,

"**currency**": **"CNY"**,

"**contractEntity**": **"广州赛意信息科技股份有限公司"**,

"**deliveryOrgName**": **"20行业五部"**,

"**bidNum**": **"TBBJ001"**,

"**saleStage**": **"投保报价并商务洽谈 "**,

"**isShExternal**": **"否"**,

"**frameAgreementNum**": **"否"**,

"**maintenancePeriod**": **"否"**,

"**shCompany**": **"INFOR"**,

"**implDevAmount**": **100.05**,

"**implBuQuote** ": **100.50**,

"**implInvoiceTaxRate**": **"6%"**,

" **operAmount**": **50.05**,

" **operBuQuote**": **10.25**,

" **operInvoiceTaxRate**": **"6%"**,

"**selfAmount**": **8.25**,

"**selfBuQuote**": **6.25**,

" **selfInvoiceTaxRate**": **"10%"**,

"**outAmount**": **8.25**,

"**outPurchaseCost**": **5.15**,

"**outInvoiceTaxRate**": **"10%"**,

"**hardAmount**": **7.25**,

"**hardPurchaseCost** ": **7.05**,

"**hardInvoiceTaxRate** ": **"6%"**,

"**resourceAmount**": **7.25**,

"**resourcePurchaseCost** ": **7.05**,

"**resourceInvoiceTaxRate** ": **"6%"**,

"**isBackToBack**": **"是"**,

"**distAmount**": **6.35**,

"**predictDistTotalCost**": **6.05**,

"**predictDistGp**": **0.2**,

"**contractTotalDay**": **50**,

"**standardPersonUnitPrice**": **1000.5**,

"**predictHardSoftGp**": **0.21**,

"**contractTotalAmount**": **1000**,

"**isLock**": **58**,

"**conditions**": [{  
 "**pbOrder**": **"1"**,  
 "**saleCategory**": **"硬件"**,

"**pbPhase**": **"硬件款"**,

"**pbCondition**": **"本合同生效后"**,

"**pbDay**": **"50"**,

"**pbRatio**": **"20%"**,

"**predictDate**": **"2019-05-09"**,

"**predictAmount**": **"50000"**,

"**remark**": **"ERP项目xxx"**

}],

"**pbConditionDeviation**": **"xxx"**,

"**pbNotDescription**": **"xxx"**,

" **warrantyDeviation**": **"xxx"**,

" **warrantyNDescription**": **"xxx"**,

" **intellectualDeviation**": **"xxx"**,

" **intellectualNotDescription**": **"xxx"**,

" **breachDeviation**": **"xxx"**,

" **breachNotDescription**": **"xxx"**,

" **penaltyDeviation**": **"xxx"**,

" **penaltyNotDescription**": **"xxx"**,

" **litigationDeviation**": **"xxx"**,

" **litigationNotDescription**": **"xxx"**,

" **riskPersonType**": **"xxx"**,

" **riskPersonValue**": **"xxx"**,

" **riskSupDescription**": **"xxx"**,

" **accountProjectGp**": **"xxx"**,

" **accountSupDescription**": **"xxx"**,

" **stampDate**": **"xxx"**,

" **expressNum**": **"xxx"**,

" **remark**": **"xxx"**

}

参数格式：JSON

返回数据格式：

{  
 **errorCode**: **"0"**,  
 **errorMsg**: **"success"**,  
 **data**: null

}

* 1. 合同变更流程重提交

Url：/api/saleContract/restart

请求方式：POST

参数说明：

{

"**serialNum**":"**HT1912300001",** *//流水号*

**"instanceId":"1c5b7628-2ab3-11ea-8054-86fdd1f98297",***// 流程ID*

**"userId": 6025,**  
 **"zhName"**: **"张定维"**,*//申请人员* **"orgName"**: **"销售一部"**,*//所属部门* **"customerManager"**: **"张定维"**,*//客户经理* **"saleArea"**: **"40华南区域"**,*//销售区域* **"preSalePoCode"**: **"01GZ19060222"**,*//售前项目编号* **"preSaleOwner"**: **"售前负责人"**,*//售前负责人* **"preSalePoName"**: **"华润三九通用技术框架外包项目"**,*//售前项目名称* **"productType"**: **"技术外包-深圳"**,*//产品类型* **"contractName"**: **"ERP项目"**,*//合同名称* **"customerName"**: **"华润三九医药股份有限公司"**,*//客户编码* **"customerCode"**: **"3W200510"**,*//客户名称* **"customerBillAddr"**: **"深圳龙岗"**,*//客户开票地址* **"currency"**: **"CNY"**,*//币种* **"contractEntity"**: **"广州赛意信息科技股份有限公司"**,*//签约主体* **"deliveryOrgName"**: **"20行业五部"**,*//交付主导部门  
 “***quoteDate”**: **"2019-08-01"**,*//申请日期* **"bidNum"**: **"TBBJ001"**,*//报价单号* **"preContractNum"**: **"YHT001"**,*//预合同单号* **"saleCategory"**: **"投保报价并商务洽谈 "**,*//销售类别* **"isShExternal"**: **"否"**,*//软硬件是否对外采购* **"frameAgreementNum"**: **"否"**,*//框架协议单号* **"maintenancePeriod"**: **"否"**,*//维保期(月)* **"shCompany"**: **"INFOR"**,*//软硬件对应厂商* **"implDevAmount"**: 100.05,*//实施/外包开发金额(元)* **"implBuQuote"**: 100.50,*//事业部报价(实施)(元)* **"implInvoiceTaxRate"**: **"6%"**,*//发票税率(实施)* **"operAmount"**: 50.05,*//运维金额(元)* **"operBuQuote"**: 10.25,*//事业部报价(运维)(元)* **"operInvoiceTaxRate"**: **"6%"**,*//发票税率(运维)* **"selfSoftAmount"**: 8.25,*//自主软件金额(元)* **"selfBuQuote"**: 6.25,*//事业部报价(自主软件)(元)* **"selfInvoiceTaxRate"**: **"10%"**,*//发票税率(自主软件)* **"outSoftAmount"**: 8.25,*//外购软件金额(元)* **"outPurchaseCost"**: 5.15,*//预计采购成本(外购软件)(元)* **"outInvoiceTaxRate"**: **"10%"**,*//发票税率(外购软件)* **"hardAmount"**: 7.25,*//硬件金额(元)* **"hardPurchaseCost"**: 7.05,*//预计采购成本(硬件)(元)* **"hardInvoiceTaxRate"**: **"6%"**,*//发票税率(硬件)* **"resourceAmount"**: 7.25,*//资源采购金额(元)* **"resourcePurchaseCost"**: 7.05,*//预计采购成本(资源采购)(元)* **"resourceInvoiceTaxRate"**: **"6%"**,*//发票税率(资源采购)* **"isBackToBack"**: **"是"**,*//是否背靠背采购* **"distAmount"**: 6.35,*//分销总金额* **"predictDistTotalCost"**: 6.05,*//预计分销总成本* **"predictDistGp"**: 0.2,*//预计分销毛利* **"contractTotalDay"**: 50,*//合同总人天* **"standardPersonUnitPrice"**: 1000.5,*//人天标准单价(元)* **"predictHardSoftGp"**: 0.21,*//预计软硬件毛利* **"contractTotalAmount"**: 1000,*//合同总金额(元)* **"conditions"**: [{  
 **"pbOrder"**: **"1"**,*//回款顺序* **"saleCategory"**: **"硬件"**,*//销售类别* **"pbPhase"**: **"硬件款"**,*//回款阶段* **"pbCondition"**: **"本合同生效后"**,*//回款条件* **"pbDay"**: **"50"**,*//回款天数* **"pbRatio"**: **"20%"**,*//回款比例* **"predictDate"**: **"2019-05-09"**,*//预计回款时间* **"predictAmount"**: **"50000"**,*//预计回款金额* **"remark"**: **"ERP项目xxx"**,*//备注* }],  
 **contractAbstract**: **"xxx"**,*//描述销售内容摘要* **intellectualProperty**: **"xxx"**,*//知识产权* **acceptCondition**: **"xxx"**,*//验收条件* **breachClause**: **"xxx"**,*//违约责任* **penaltyCondition**: **"xxx"**,*//保密协议违约处罚条件* **litigationLand**: **"xxx"**,*//诉讼地* **warrantyPeriod**: **"xxx"**,*//质保期(月)* **description**: **"xxx"**,*//描述* **recipientName**: **"张三"**,*//* **recipientTel**: **"188xxxx333"**,*//* **recipientAddr**: **"广东省佛山市"**,*//*}

参数格式：JSON

返回数据格式：

{  
 **errorCode**: **"0"**,  
 **errorMsg**: **"success"**,  
 **data**: **“流程重提交成功”**

}

* 1. 合同变更报表

Url：/api/contract-change-statement/10/0

请求方式：POST

参数说明：

{

"serialNum":"",

"zhName":"",

"wfState":"active,completed",

"approvers":"",

"customerManager":"",

"saleArea":"",

"preSalePoCode":"",

"preSalePoName":"",

"customerCode":"",

"customerName":"",

"contractName":"",

"deliveryOrgName":"",

"createdDate":"2010-10-25,2019-11-25",

"lastModifiedDate":"",

"saleCategory":"实施/外包开发,硬件......"

}

参数格式：JSON

返回数据格式：

{

"errorCode": "0",

"errorMsg": "success",

"pageSize": 10,

"pageNumber": 0,

"countSize": 39,

"data": [

{

"serialNum": "HTBGS1912022",

"zhName": "陈浩3",

"wfState": "completed",

"approvers": null,

"customerManager": "陈浩3",

"saleArea": "40华南销售一部",

"preSalePoCode": "01GZ19110557",

"preSalePoName": "IT战略框架协议2019",

"customerCode": "3W201912075368",

"customerName": "广东乐华智能卫浴有限公司",

"contractName": "技术服务合同",

"deliveryOrgName": "30运维服务部",

"createdDate": "2019-12-09 18:53:18",

"lastModifiedDate": "2019-12-09 18:53:18",

"preSaleOwner": "杨响亮",

"customerBillAddr": "佛山市三水区南山镇漫江工业园南区3号",

"productType": "EBS HR运维,ORACLE EBS运维",

"currency": "人民币",

"contractEntity": "广州赛意信息科技股份有限公司",

"bidNum": "",

"preContractNum": null,

"frameAgreementNum": "",

"saleCategory": "框架协议",

"operAmount": 0.0,

"selfSoftAmount": 0.0,

"outSoftAmount": 0.0,

"hardAmount": 0.0,

"resourceAmount": 0.0,

"contractTotalAmount": null,

"contractTotalDay": 0.0,

"standardPersonUnitPrice": 0.0,

"distAmount": 0.0,

"predictDistTotalCost": 0.0,

"predictDistGp": "0.00%",

"predictHardSoftGp": "0.00%",

"isBackToBack": null,

"contractAbstract": "针对箭牌集团人天框架协议......",

"recipientName": "",

"recipientTel": "18988680717",

"recipientAddr": "广东省佛山市南海区箭牌大厦17楼IT办公室",

"riskPersonType": "",

"accountProjectGp": "30%~35%（合格）",

"accountSupDescription": null,

"expressNum": null,

"stampDate": "2019-12-11 00:00:00",

"oldData": "1"

},

......

]

}

* 1. 保存合同变更审批意见

Url：/api/contractChange/save/opinion

请求方式：POST

参数说明：

{

"serialNum": "HT1911070007",

"pbConditionDeviation": "否",

"warrantyDeviation": "否",

"intellectualDeviation": "否",

"breachDeviation": "否",

"penaltyDeviation": "否",

"litigationDeviation": "否",

"riskPersonType": "风险金额",

"riskPersonValue": "520000",

"accountProjectGp": "30%~35%（合格）",

"accountSupDescription": "32%",

"stampDate":"2019-11-30 00:00:00"

......

}

参数格式：JSON

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

* 1. 更新合同变更业务数据状态

Url：/api/contractChange/update/wfstate/{serinalNum}/{state}

请求方式：POST

参数说明：

参数格式：/api/contractChange/update/wfstate/xxx/xxx

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

* 1. 软删除合同变更业务数据

Url：/api/removeContractChangeBySerialNum/{serialNum}/{situation}

请求方式：GET

参数说明：

situation为驳回重提交的流转方式，值为cancel时不删除审批意见表数据

参数格式：/api/removeContractChangeBySerialNum/xxx/xxx

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

* 1. 硬删除合同变更业务数据

Url：/api/delete/contract/bySn?sn=xx

请求方式：Get

参数说明：sn=serial\_num

参数格式：?sn=xx

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

* 1. 保存合同变更草稿

Url：/api/contractChange/save/draft

请求方式：POST

参数说明：

{

"zhName":"卢班班",

"orgName":"40方案中心",

"customerManager":"陈吉德",

"saleArea":"40华南销售一部",

"preSalePoCode":"01GZ19060294",

"preSaleOwner":"何辉",

"preSalePoName":"欧派成都工厂AGV项目2019",

"productType":"INFORWMS",

"contractName":"测试类别",

"customerCode":"3W200770",

"customerName":"欧派家居集团股份有限公司",

"customerBillAddr":"收保证金的帐号",

"currency":"人民币",

"contractEntity":"广州赛意信息科技股份有限公司",

"deliveryOrgName":"20行业五部",

"bidNum":"TBBJSQ1907536",

"preContractNum":"YHT1911060004",

"saleCategory":"硬件,硬件,实施/外包开发,实施/外包开发,资源采购,资源采购,框架协议,框架协议,框架下人天外包(PO),框架下人天外包(PO),运维,运维,自主软件,自主软件,外购软件,外购软件",

"isShExternal":false,

"frameAgreementNum":"XSHT1910411",

"maintenancePeriod":13,

"implDevAmount":41414141,

"implBuQuote":123213,

"implInvoiceTaxRate":"6%",

"operAmount":124,

"operBuQuote":123123,

"operInvoiceTaxRate":"3%",

"selfSoftAmount":123123,

"selfBuQuote":2313,

"selfInvoiceTaxRate":"6%",

"outSoftAmount":1414,

"outPurchaseCost":231,

"outInvoiceTaxRate":"3%",

"hardAmount":13231,

"hardPurchaseCost":12331,

"hardInvoiceTaxRate":"13%",

"resourceAmount":41242,

"resourcePurchaseCost":1313,

"resourceInvoiceTaxRate":"6%",

"isBackToBack":false,

"distAmount":55887,

"predictDistTotalCost":13875,

"predictDistGp":0.7517,

"contractTotalDay":13,

"standardPersonUnitPrice":2000,

"predictHardSoftGp":0.1422,

"contractTotalAmount":41593275,

"contractAbstract":"发发发",

"intellectualProperty":"阿萨大·",

"acceptCondition":"阿萨大·",

"breachClause":"阿萨大·",

"penaltyCondition":"vv阿萨大·",

"litigationLand":"阿萨大·",

"warrantyPeriod":"2",

"description":"阿萨大·",

"billingType":"项目制结算",

"recipientName":"a's'd",

"recipientTel":"13122312321",

"recipientAddr":"阿萨大大撒啊·",

"riskPersonType":"风险金额",

"riskPersonValue":"22",

"riskSupDescription":"阿萨苏打水",

"conditions":

[

{

"pbOrder":1,

"saleCategory":"实施/外包开发",

"pbPhase":"测试款",

"pbCondition":"a's'd",

"pbDay":"2",

"pbRatio":"100",

"predictDate":"2019-11-12",

"predictAmount":"41414100",

"remark":"撒大·"

}

],

"userId":14156,

"shCompany":"",

"contractServiceBeginDate":"2019-11-11",

"contractServiceEndDate":"2019-11-30",

"tmpUuid":"4613cece-3ee3-45ed-bc61-f9e6404aa6ee"

}

参数格式：JSON

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

* 1. 删除合同变更草稿

Url：/api/contractChange/delete/draft/{id}

请求方式：GET

参数说明：

参数格式：/api/contractChange/delete/draft/1

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

* 1. 查询合同变更草稿基表详情

Url：/api/contractChange/draftDetail/{id}

请求方式：GET

参数说明：

参数格式：/api/contractChange/draftDetail/1

返回数据格式：

{

"errorCode": "0",

"errorMsg": "success",

"data": {

"id": 8667,

"serialNum": null,

"userId": 218,

"zhName": "曹金乔",

"orgName": "30华东销售部",

"customerManager": "曹金乔",

"saleArea": "",

"preSalePoCode": "03SH18010005",

"preSaleOwner": "",

"preSalePoName": "不二家（杭州）2017年度ERP系统安定运维支持项目",

"productType": "运维",

"contractName": "不二家（杭州）2017年度ERP系统安定运维支持项目",

"customerCode": "3W210451",

"customerName": "富士通（中国）信息系统有限公司",

"customerBillAddr": "",

"currency": "",

"contractEntity": "",

"deliveryOrgName": "20运维服务部",

"billingType": null,

"contractServiceBeginDate": null,

"contractServiceEndDate": null,

"bidNum": "",

"preContractNum": "",

"saleCategory": "运维",

"isShExternal": false,

"frameAgreementNum": "",

"maintenancePeriod": 0,

"shCompany": "",

"implDevAmount": 0.00,

"implBuQuote": 0.00,

"implInvoiceTaxRate": "",

"operAmount": 58800.00,

"operBuQuote": 58800.00,

"operInvoiceTaxRate": "6%",

"selfSoftAmount": 0.00,

"selfBuQuote": 0.00,

"selfInvoiceTaxRate": "",

"outSoftAmount": 0.00,

"outPurchaseCost": 0.00,

"outInvoiceTaxRate": "",

"hardAmount": 0.00,

"hardPurchaseCost": 0.00,

"hardInvoiceTaxRate": "",

"resourceAmount": 0.00,

"resourcePurchaseCost": 0.00,

"resourceInvoiceTaxRate": "",

"isBackToBack": false,

"distAmount": 0.00,

"predictDistTotalCost": 0.00,

"predictDistGp": "0.00%",

"contractTotalDay": 0.00,

"standardPersonUnitPrice": 0.00,

"predictHardSoftGp": "",

"contractTotalAmount": 58800.00,

"riskPersonType": null,

"riskPersonValue": null,

"riskSupDescription": null,

"wfState": null,

"isLock": false,

"tmpUuid": "",

"extra": "",

"dataState": "-2",

"oldData": null,

"createdBy": "218",

"createdDate": "2018-01-18 10:42:33",

"lastModifiedBy": "218",

"lastModifiedDate": "2018-01-18 10:42:33"

}

}

* 1. 查询合同变更草稿摘要表详情

Url：/api/contractChange/abstract/draftDetail/{id}

请求方式：GET

参数说明：

参数格式：/api/contractChange/abstract/draftDetail/1

返回数据格式：

{

"errorCode": "0",

"errorMsg": "success",

"data": {

"id": 14634,

"contractId": 8668,

"serialNum": null,

"contractAbstract": "",

"intellectualProperty": "",

"acceptCondition": "",

"breachClause": "",

"penaltyCondition": "",

"litigationLand": "",

"warrantyPeriod": 0,

"description": "请尽快盖章邮件，以便客户尽快附件后项目启动。谢谢",

"recipientName": "刘杰",

"recipientTel": "18796245430",

"recipientAddr": "",

"wfState": null,

"extra": "",

"dataState": "-2",

"oldData": null,

"createdBy": "11805",

"createdDate": "2017-12-07 13:52:09",

"lastModifiedBy": "11805",

"lastModifiedDate": "2017-12-07 13:52:09"

}

}

* 1. 查询合同变更草稿回款信息表详情

Url：/api/contractChange/payback/draftDetail/{id}

请求方式：GET

参数说明：

参数格式：/api/contractChange/payback/draftDetail/1

返回数据格式：

{

"errorCode": "0",

"errorMsg": "success",

"data": [

{

"id": 15193,

"contractId": 8665,

"serialNum": null,

"pbOrder": 0,

"saleCategory": "实施/外包开发",

"pbPhase": "1首期款",

"pbCondition": "合同签署日起10工作日内支付30%",

"pbDay": 0.00,

"pbRatio": "30",

"predictDate": "2017-07-10",

"predictAmount": 765000.00,

"remark": "",

"wfState": null,

"extra": "",

"dataState": "-2",

"oldData": null,

"createdBy": "4349",

"createdDate": "2018-11-28 14:13:29",

"lastModifiedBy": "4349",

"lastModifiedDate": "2018-11-28 14:13:29"

},

......

]

}

* 1. 合同变更暂存草稿数据（暂存功能）

Url：/api/contractChange/save/temp

请求方式：POST

参数说明：

{

"serialNum": "HT1912300001",

"zhName": "张炳申",

"orgName": "40华南销售二部",

"customerManager": "张炳申",

"saleArea": "40华南销售二部",

"preSalePoCode": "01GZ19070352",

"preSaleOwner": "熊辉",

"preSalePoName": "华润三九财务资本梳理项目",

"productType": "CAMSTAR-深圳,BIEE及其他",

"contractName": "销售合同",

"customerCode": "3W200510",

"customerName": "华润三九医药股份有限公司",

"customerBillAddr": "深圳市龙华区观湖街道观澜高新园区观清路1号",

"currency": "人民币",

"contractEntity": "广州赛意信息科技股份有限公司",

"deliveryOrgName": "30行业五部\_子行业四部",

"bidNum": "",

"preContractNum": "PLANCONTRACT1909051",

"saleCategory": "实施/外包开发",

"isShExternal": false,

"frameAgreementNum": "",

"maintenancePeriod": "",

"shCompany": "",

"implDevAmount": "500000",

"implBuQuote": "500000",

"implInvoiceTaxRate": "6%",

"operAmount": "",

"operBuQuote": "",

"operInvoiceTaxRate": "",

"selfSoftAmount": "",

"selfBuQuote": "",

"selfInvoiceTaxRate": "",

"outSoftAmount": "",

"outPurchaseCost": "",

"outInvoiceTaxRate": "",

"hardAmount": "",

"hardPurchaseCost": "",

"hardInvoiceTaxRate": "",

"resourceAmount": "0",

"resourcePurchaseCost": "0",

"resourceInvoiceTaxRate": "",

"isBackToBack": false,

"distAmount": 0,

"predictDistTotalCost": 0,

"predictDistGp": "0.00%",

"contractTotalDay": "200",

"standardPersonUnitPrice": "2500",

"predictHardSoftGp": "0.00%",

"contractTotalAmount": 500000,

"contractAbstract": "描述销售内容摘要",

"intellectualProperty": "描述销售内容摘要",

"acceptCondition": "描述销售内容摘要",

"breachClause": "描述销售内容摘要",

"penaltyCondition": "描述销售内容摘要",

"litigationLand": "描述销售内容摘要",

"warrantyPeriod": "11",

"description": "描述销售内容摘要",

"billingType": "运维按月结算",

"contractServiceBeginDate": "2019-12-01",

"contractServiceEndDate": "2019-12-31",

"recipientName": "大脸",

"recipientTel": "15233333333",

"recipientAddr": "描述销售内容摘要",

"conditions": [{

"pbOrder": 1,

"saleCategory": "实施/外包开发",

"pbPhase": "终验款",

"pbCondition": "天天",

"pbDay": 11,

"pbRatio": "100",

"predictDate": "2019-12-26",

"predictAmount": 500000,

"remark": ""

}],

"userId": 6025,

"tmpUuid": "81e8f054-08bc-47b3-ab19-8ea4c38426e3"

}

参数格式：JSON

返回数据格式：

{

"errorCode": "0",

"errorMsg": "SUCCESS",

"data": null

}

1. 表结构设计

合同变更表（sie\_contract\_change\_t）

| **字段名** | **字段说明** | **是否为空** | **字段类型** | **备注** |
| --- | --- | --- | --- | --- |
| Id | 序列号 | 否 | Long | 唯一序列号 |
| serial\_num | 流水号 | 否 | String | 无 |
| user\_id | 申请人id | 否 | Integer | 无 |
| zh\_name | 申请人中文名 | 否 | String | 无 |
| org\_name | 所属部门名称 | 否 | String | 无 |
| customer\_manager | 客户经理 | 否 | String | 无 |
| sale\_area | 销售区域 | 否 | String | 无 |
| contract\_num | 销售合同单号 | 否 | String | 无 |
| pre\_sale\_po\_code | 售前项目编码 | 否 | String | 无 |
| pre\_sale\_owner | 售前负责人 | 否 | String | 无 |
| bid\_num | 报价单号 | 否 | String | 无 |
| delivery\_org\_name | 交付主导部门 | 否 | String | 无 |
| pre\_sale\_po\_name | 售前项目名称 | 否 | String | 无 |
| product\_type | 产品类型 | 否 | String | 无 |
| contract\_name | 合同名称 | 否 | String | 无 |
| customer\_code | 客户编码 | 否 | String | 无 |
| customer\_name | 客户名称 | 否 | String | 无 |
| customer\_bill\_addr | 客户开票地址 | 否 | String | 无 |
| currency | 币种 | 否 | String | 无 |
| contract\_entity | 签约主体 | 否 | String | 无 |
| sale\_category | 销售类别 | 否 | Char(7) | 无 |
| is\_sh\_external | 软硬件是否对外采购 | 否 | Boolean | 无 |
| frame\_agreement\_num | 框架协议单号 | 否 | String | 无 |
| maintenance\_period | 维保期 | 否 | Integer | 无 |
| sh\_company | 软硬件对应厂商 | 否 | Char(8) | 无 |
| billing\_type | 结算类型 | 否 | String | 无 |
| contract\_service\_begin\_date | 合同服务开始日期 | 否 | String | 无 |
| contract\_service\_end\_date | 合同服务结束日期 | 否 | String | 无 |
| impl\_dev\_amount | 实施/外包开发金额 | 否 | Decimal | 无 |
| impl\_bu\_quote | 事业部报价 | 否 | Decimal | 无 |
| impl\_invoice\_tax\_rate | 发票税率（实施） | 否 | String | 无 |
| oper\_amount | 运维金额 | 否 | Decimal | 无 |
| oper\_bu\_quote | 事业部报价（运维） | 否 | Decimal | 无 |
| oper\_invoice\_tax\_rate | 发票税率（运维） | 否 | String | 无 |
| self\_soft\_amount | 自主软件金额 | 否 | Decimal | 无 |
| self\_bu\_quote | 事业部报价（自主软件） | 否 | Decimal | 无 |
| self\_invoice\_tax\_rate | 发票税率（自主软件） | 否 | String | 无 |
| out\_amount | 外购软件金额 | 否 | Decimal | 无 |
| out\_purchase\_cost | 预计采购成本（外购软件） | 否 | Decimal | 无 |
| out\_invoice\_tax\_rate | 发票税率（外购软件） | 否 | String | 无 |
| hard\_amount | 硬件金额 | 否 | Decimal | 无 |
| hard\_purchase\_cost | 预计采购成本（硬件） | 否 | Decimal | 无 |
| hard\_invoice\_tax\_rate | 发票税率（硬件） | 否 | String | 无 |
| resource\_amount | 资源采购金额 | 否 | Decimal | 无 |
| resource\_purchase\_cost | 预计采购成本（资源采购） | 否 | Decimal | 无 |
| resource\_invoice\_tax\_rate | 发票税率（资源采购） | 否 | String | 无 |
| is\_back\_to\_back | 是否背靠背 | 否 | Boolean | 无 |
| dist\_amount | 分销总金额 | 否 | Decimal | 无 |
| predict\_dist\_total\_cost | 预计分销总成本 | 否 | Decimal | 无 |
| predict\_dist\_gp | 预计分销毛利 | 否 | String | 无 |
| contract\_total\_day | 合同总人天 | 否 | Decimal | 无 |
| standard\_person\_unit\_price | 人天标准单价 | 否 | Decimal | 无 |
| predict\_hard\_soft\_gp | 预计软硬件毛利 | 否 | String | 无 |
| contract\_total\_amount | 合同总金额 | 否 | Decimal | 无 |
| risk\_person\_type | 风险人天 | 是 | String | 无 |
| risk\_person\_value | 风险人天值 | 是 | String | 无 |
| risk\_sup\_description | 补充说明 | 是 | String | 无 |
| is\_lock | 是否锁单 | 否 | String | 无 |
| tmp\_uuid | 临时关联uuid | 否 | Char(32) | 无 |
| wf\_state | 流程状态 | 否 | String | 无 |
| Extra | 扩展字段 | 否 | String | 无 |
| old\_data | 新旧数据标识 | 否 | String | 无 |
| data\_state | 数据状态 | 否 | String | 无 |
| created\_by | 创建人 | 否 | String | 无 |
| created\_date | 创建日期 | 否 | DateTime | 无 |
| last\_modified\_by | 最后修改人 | 否 | String | 无 |
| last\_modified\_date | 最后修改时间 | 否 | DateTime | 无 |

合同变更回款条件（sie\_contract\_change\_pb\_t）

| **字段名** | **字段说明** | **是否为空** | **字段类型** | **备注** |
| --- | --- | --- | --- | --- |
| Id | 序列号 | 否 | Long | 唯一序列号 |
| change\_id | 合同变更id | 否 | Long | 唯一序列号 |
| serial\_num | 流水号 | 否 | String | 无 |
| pb\_order | 回款顺序 | 否 | text | 无 |
| sale\_category | 销售类别 | 否 | Char(7) | 无 |
| pb\_phase | 回款阶段 | 否 | String | 无 |
| pb\_condition | 回款条件 | 否 | String | 无 |
| pb\_day | 回款天数 | 否 | Decimal | 无 |
| pb\_ratio | 回款比例 | 否 | String | 无 |
| predict\_date | 预计回款日期 | 否 | String | 无 |
| predict\_amount | 预计回款金额 | 否 | Decimal | 无 |
| Remark | 备注 | 否 | String | 无 |
| wf\_state | 流程状态 | 否 | String | 无 |
| Extra | 扩展字段 | 否 | String | 无 |
| old\_data | 新旧数据标识 | 否 | String | 无 |
| data\_state | 数据状态 | 否 | String | 无 |
| created\_by | 创建人 | 否 | String | 无 |
| created\_date | 创建日期 | 否 | DateTime | 无 |
| last\_modified\_by | 最后修改人 | 否 | String | 无 |
| last\_modified\_date | 最后修改时间 | 否 | DateTime | 无 |

合同变更摘要（sie\_contract\_change\_abstract\_t）

| **字段名** | **字段说明** | **是否为空** | **字段类型** | **备注** |
| --- | --- | --- | --- | --- |
| id | 序列号 | 否 | Long | 唯一序列号 |
| change\_id | 合同变更id | 否 | Long | 唯一序列号 |
| serial\_num | 流水号 | 否 | String | 无 |
| contract\_abstract | 描述销售内容摘要 | 否 | text | 无 |
| intellectual\_property | 知识产权 | 否 | String | 无 |
| accept\_condition | 验收条件 | 否 | String | 无 |
| breach\_clause | 违约责任 | 否 | String | 无 |
| penalty\_condition | 保密协议违约处罚条件 | 否 | String | 无 |
| litigation\_land | 诉讼地 | 否 | String | 无 |
| warranty\_period | 质保期 | 否 | Integer | 无 |
| description | 描述 | 否 | String | 无 |
| recipient\_name | 收件人姓名 | 否 | String | 无 |
| recipient\_tel | 收件人电话 | 否 | String | 无 |
| recipient\_addr | 收件人地址 | 否 | String | 无 |
| wf\_state | 流程状态 | 否 | String | 无 |
| extra | 扩展字段 | 否 | String | 无 |
| old\_data | 新旧数据标识 | 否 | String | 无 |
| data\_state | 数据状态 | 否 | String | 无 |
| created\_by | 创建人 | 否 | String | 无 |
| created\_date | 创建日期 | 否 | DateTime | 无 |
| last\_modified\_by | 最后修改人 | 否 | String | 无 |
| last\_modified\_date | 最后修改时间 | 否 | DateTime | 无 |

合同变更审批意见表（sie\_contract\_change\_opinion\_t）

| **字段名** | **字段说明** | **是否为空** | **字段类型** | **备注** |
| --- | --- | --- | --- | --- |
| id | 序列号 | 否 | Long | 唯一序列号 |
| change\_id | 合同变更id | 否 | Long | 唯一序列号 |
| serial\_num | 流水号 | 否 | String | 无 |
| risk\_person\_type | 风险人天 | 否 | Char(8) | 无 |
| risk\_person\_value | 风险人天值 | 否 | Char(8) | 无 |
| risk\_sup\_description | 补充说明 | 否 | String | 无 |
| account\_project\_gp | 核算项目毛利 | 否 | Varchar(20) | 无 |
| account\_sup\_description | 补充说明 | 否 | String | 无 |
| account\_supplement | 核算项目毛利补充说明 | 否 | String | 无 |
| stamp\_date | 盖章/归档时间 | 否 | Date | 无 |
| express\_company | 快递公司 | 否 | String | 无 |
| express\_num | 快递单号 | 否 | String | 无 |
| remark | 备注 | 否 | String | 无 |
| project\_location | 项目所在地 | 否 | String | 无 |
| include\_or\_not\_accommodation | 是否包含住宿 | 否 | String | 无 |
| product\_department | 项目所属部门 | 否 | String | 无 |
| old\_data | 新旧数据标识 | 否 | String | 无 |
| data\_state | 数据状态 | 否 | String | 无 |
| created\_by | 创建人 | 否 | String | 无 |
| created\_date | 创建日期 | 否 | DateTime | 无 |
| last\_modified\_by | 最后修改人 | 否 | String | 无 |
| last\_modified\_date | 最后修改时间 | 否 | DateTime | 无 |