

com.csii.mcs.mbs.pupdate 包名

/com.csii.mcs.mbs.pupdate/META-INF/config/trs/pimg.xml 客户端请求服务端接口配置

```
<config>
  <!-- 加载页与广告页查询接口 -->
  <transaction id="NewAdvertPageQry" template="publicQueryTemplate">
    <description>
      @funcName 广告页查询接口
      @trsName
      @author hjc
      @version 1.0
      @remark
      @fromPages
    </description>
    <actions>
      <ref name="action">NewAdvertPageQryAction</ref>
    </actions>
    <fields>
      <field name="MachineType"></field>
      <field name="ScreenSize">CommonStyle{option=true}</field><!-- 屏幕尺寸 例 宽*高 -->
    </fields>
    <channels>
      <channel type="http">
        <param name="success">json,[_RejCode|AdvertPageUrl|AdvertPageLinkUrl]</param>
      </channel>
    </channels>
  </transaction>
  <action id="NewAdvertPageQryAction" class="com.csii.mcs.mbs.img.NewAdvertPageQryAction" parent="mca.BaseQueryAction">
    <ref name="appArgsCache">AppArgsCache</ref>
  </action>
</config>

,-----
<!-- 支付网关银联代扣预约撤销 -->
<transaction id="UnionpayScheduleCancel" template="twoPhaseTrsTemplateForSign">
  <description>
    @funcName 快捷收款管理
    @trsName 快捷收款撤销
    @author qhy
    @version 1.0
    @remark
    @fromPages
  </description>
  <actions>
    <ref name="action">mca.BaseTwoPhaseAction</ref>
  </actions>
  <channels>
    <channel type="http">
      <param name="success">json,</param>
    </channel>
  </channels>
</transaction>
```

- 1、接口名要唯一，命名时不确定可全局搜索确认。
- 2、查询模板和提交模板要区分，可查看 template.xml

```
<!-- 未登录状态下查询类交易使用（已修改为不调用mca仍可记录流水） -->
<template id="publicQueryTemplate" class="com.csii.ibs.workflow.QueryTrsTemplate" chain="chainForPublic">
  <actions>
    <ref name="preAction">dummyJournalAction</ref>
    <ref name="action">Placeholder</ref>
    <ref name="aftAction">WriteQueryJournal</ref>
  </actions>
</template>
<!-- 登录状态下查询类交易使用 -->
<template id="queryTemplate" class="com.csii.ibs.workflow.QueryTrsTemplate" chain="chainForQuery">
  <actions>
    <ref name="preAction">dummyJournalAction</ref>
    <ref name="action">Placeholder</ref>
    <ref name="aftAction">WriteQueryJournal</ref>
  </actions>
</template>
<!-- 未登录状态下提交类交易使用 -->
<template id="publicTwoPhaseTrsTemplate" class="com.csii.ibs.workflow.TwoPhaseTrsTemplate" chain="chainForPublicTwoPhaseTrs">
  <actions>
    <ref name="preAction">dummyAction</ref>
    <ref name="aftAction">dummyAction</ref>
    <ref name="action">Placeholder</ref>
  </actions>
</template>
<!-- 未登录状态下提交类交易使用 有短信验证码 -->
<template id="publicTwoPhaseTrsTemplateForOtp" class="com.csii.ibs.workflow.TwoPhaseTrsTemplate" chain="chainForPublicTwoPhaseTrsForOtp">
  <actions>
    <ref name="preAction">dummyAction</ref>
    <ref name="aftAction">dummyAction</ref>
    <ref name="action">Placeholder</ref>
  </actions>
</template>
```

### 3、上送字段要做校验，可查看 style.xml

```
<!-- 账号样式转bean -->
<style id="AccountNoBeanStyle">
    <setting>
        <param name="option">false</param>
        <param name="pattern">^[a-zA-Z0-9]{1,32}$</param>
        <param name="checkCompetence">true</param>
        <param name="bean">Account,Account</param>
    </setting>
    <messages>
        <param name="option">MBS0001001[账号]</param>
        <param name="pattern">MBS0001002[账号]</param>
    </messages>
</style>
<!-- 付款账号样式 -->
<style id="PayerAccountNoStyle">
    <setting>
        <param name="option">false</param>
        <param name="pattern">^[a-zA-Z0-9]{1,32}$</param>
        <param name="checkCompetence">true</param>
        <!-- <param name="ruleAcAC">PayerAccount</param> -->
        <param name="bean">Account,PayerAccount</param>
    </setting>
    <messages>
        <param name="option">MBS0001001[付款账号]</param>
        <param name="pattern">MBS0001002[付款账号]</param>
    </messages>
</style>
```

### 4、模板和 action 里面 extends 保持一致，接口配置父类也要一致

```
18 * 创建日期: 2018年12月17日<br/>
19 * 创建人员: HJC<br/>
20 */
21 public class NewAdvertPageQryAction extends IbsQueryAction {
22     private AppArgsCache appArgsCache;
23     public void setAppArgsCache(AppArgsCache appArgsCache) {
24         this.appArgsCache = appArgsCache;
25     }
26 }
```

### 5、返回字段需要配置

### 6、Action 标签里需要的注入要在同 bundle dynamicservice.xml 配置

### 7、新增 sql.xml 要在 ibsdbSqlMapConfig.xml 加入新增文件












### 8、MANIFEST.MF 引用 bundle 或 jar

```
9 CSII-StartLevel: 8
10 Spring-Context: META-INF/config/*.xml,META-INF/config/trs/*.xi
11 Require-Bundle: pedynamic;bundle-version="6.0.0",
12 pedynamicweb;bundle-version="6.0.0",
13 com.csii.mcs.mbs.pcommon,
14 com.csii.mcs.datamodel,
15 com.springsource.slf4j.org.apache.commons.logging
16 Import-Package: com.csii.ecif.datamodel.account,
17 com.csii.mcs.constants,
18 com.csii.mcs.core.util,
19 com.csii.mcs.ibs.role,
20 com.csii.mcs.datamodel,
21 com.csii.mcs.mbs.common,
22 javax.servlet;version="2.5.0",
23 javax.sql,
24 org.apache.commons.logging;version="1.1.1",
25 org.osgi.service.http;version="1.2.0"
26
```

### 9、/com.csii.mcs.mbs.pupdate/META-INF/config/mca/resolver.xml 渠道配置，也可以在 action 直接请求

```
<bean id="hostTrsCodeResolver" class="com.csii.ibs.action.HostTrsCodeResolver" >
    <map name="map">
        <param name="TaxAuthorProtocol">per.MCTaxAuthorProtocol</param><!-- 税单贷 接受授权 -->
        <param name="QueryTaxListLoanPro">per.MCQueryTaxListLoanPro</param><!-- 税单贷 查询授权结果 -->
        <param name="QryTaxSignProgress">per.MCQryTaxSignProgress</param><!-- 税单贷 进度查询 -->
        <param name="TaxSignProtocol">per.MCTaxSignProtocol</param><!-- 税单贷 提交签约 -->
        <param name="QueryTaxListLoanDebt">per.MCQueryTaxListLoanDebt</param><!-- 税单贷 借据列表查询 -->
        <param name="QueryTaxListLoanApplyRecord">ent.MCQueryTaxListLoanApplyRecord</param><!-- 税单贷 申请记录查询 -->
        <param name="TaxSignProtocol">per.MCTaxSignProtocol</param><!-- 税单贷 合同信息查询 (单笔) -->
        <param name="TaxDraw">per.MCTaxDraw</param><!-- 税单贷 提款 -->
        <param name="QueryTaxListLoanPayRecord">per.MCQueryTaxListLoanPayRecord</param><!-- 税单贷 还款记录查询 -->
        <param name="QueryTaxListLoanPlan">per.MCQueryTaxListLoanPlan</param><!-- 税单贷 还款计划查询 -->
        <param name="TaxPrepayment">per.MCTaxPrepayment</param><!-- 税单贷 提前还款 -->
        <param name="LoanPrepaymentQuery">per.MCPerLoanPrepaymentQuery</param><!-- 税单贷 利率查询 -->
        <param name="LoanPrepaymentPlanQuery">per.MCPerLoanPrepaymentPlanQuery</param><!-- 提前贷款号查询还款安排 -->
        <param name="TaxLoanOverDueRepayment">per.MCPerLoanNormalRepayment</param><!-- 税单贷逾期还款 -->
    </map>
</bean>
```

10、请求渠道报文放在对应 xml 下就可以 inbound 和 outbound

- ▷  com.csii.mca.inbound.csxml.per.pfixedtime
- ▷  com.csii.mca.inbound.csxml.per.phnbdeposit
- ▷  com.csii.mca.inbound.csxml.per.phnhappyloan
- ▷  com.csii.mca.inbound.csxml.per.phomepage
- ▷  com.csii.mca.inbound.csxml.per.pimmdiatepay
- ▷  com.csii.mca.inbound.csxml.per.pinsurance
- ▷  com.csii.mca.inbound.csxml.per.pliability
- ▷  com.csii.mca.inbound.csxml.per.plife
- ▷  com.csii.mca.inbound.csxml.per.plife.lifepay
- ▷  com.csii.mca.inbound.csxml.per.plife.reserveonline
- ▷  com.csii.mca.inbound.csxml.per.ploancommon

```
@SuppressWarnings({ "rawtypes", "unchecked" })
public Map acBalanceQry(Account ac, Context context){
    if(BankAcType.PCRC.equals(ac.getBankAcType())){
        return new HashMap();
    }
    Map<Object,Object> sendMap = context.getDataMap();
    sendMap.put("Account", ac);
    if(ac != null && ac.getCurrency() != null){
        sendMap.put("code", ac.getCurrency().getCode());
    }
    sendMap.put(Constants.HOST_TRANSACTION_CODE, "per.MCAcBalQuery");//余额查询
    Map receiveMap = null;
    try{
        receiveMap = (Map) this.issueHostTrs(context, sendMap);
    }catch(Exception e){
        logger.info("查询余额出现异常.");
        receiveMap = new HashMap();
        receiveMap.put("AvailBal", "0.00");
    }
    return receiveMap;
}

riskList.add(controlMap);
riskMap.put("P2List", riskList);
riskMap.put(Constants.HOST_TRANSACTION_CODE, "per.MCBDPRiskControlQry");
Map recRiskMap = (Map) transportBean.submit(riskMap);
Map ModelMap = (Map) recRiskMap.get("Map");
if(ModelMap==null){
    // ...
}
```