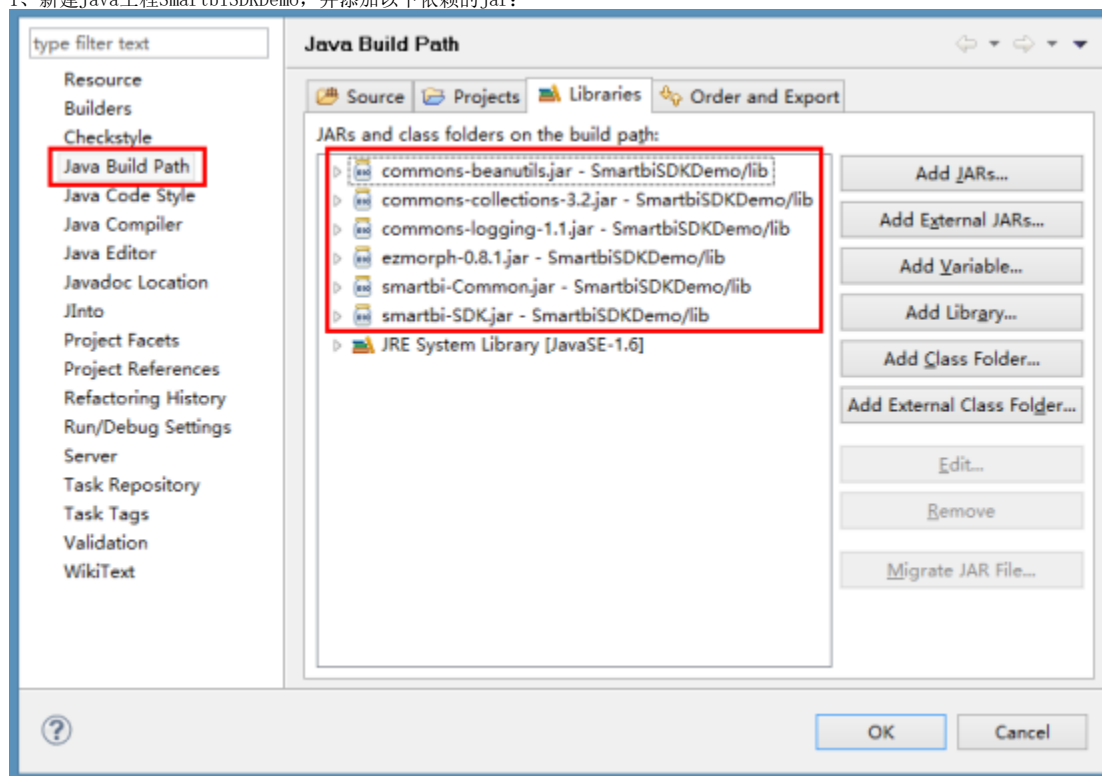


BusinessViewService SDK 示例

下面以Java环境为例，介绍如何在应用系统中调用Smartbi SDK BusinessViewService API。

1、新建Java工程SmartbiSDKDemo，并添加以下依赖的jar：



2、核心示例代码如下：

```
package demo.sdk;

import java.util.List;
import smartbi.net.sf.json.JSONArray;
import smartbi.net.sf.json.JSONObject;
import smartbi.sdk.ClientConnector;
import smartbi.sdk.service.businessview.BusinessViewService;
import smartbi.sdk.service.businessview.ViewMetaData;

public class BusinessViewServiceSDKDemo {
    /**
     * @param args
     */
    public static void main(String[] args) {
        BusinessViewServiceSDKDemo demo = new BusinessViewServiceSDKDemo();
        demo.run();
    }
    /**
     * BusinessViewService SDK
     */
    public void run() {
        String url = "http://localhost:8080/smartbi";
        String user = "admin";
        String password = "manager";
        ClientConnector conn = createClientConnector(url, user, password);
        if (conn == null) {
            System.out.println("url");
            return;
        }
    }
}
```

```

        try {
            BusinessViewService bizViewService = createBusinessViewService(conn);
            testBusinessViewService(bizViewService);
        } finally {
            closeClientConnector(conn);
        }
    }
}
/**
 * <br>
 * SmartbiClientConnector<br>
 * ClientConnector
 *
 * @return
 */
private ClientConnector createClientConnector(String url, String user, String password) {
    ClientConnector conn = new ClientConnector(url);
    boolean loginOK = conn.open(user, password);
    if (loginOK) {
        return conn;
    } else {
        conn.close();
        return null;
    }
}
/**
 * <br>
 * ClientConnectorClientConnector
 *
 * @param conn
 *
 * @return
 */
private BusinessViewService createBusinessViewService(ClientConnector conn) {
    if (conn == null) {
        return null;
    } else {
        BusinessViewService bizViewService = new BusinessViewService(conn);
        return bizViewService;
    }
}
/**
 * <br>
 * API
 *
 * @param bizViewService
 */
private void testBusinessViewService(BusinessViewService bizViewService) {
    if (bizViewService == null) {
        return;
    }
    // ID("\\SQL\\SQL")
    String bizViewId = "I2c94907127855da201278df551b62602";
    // ID("\\SQL\\SQL"--_)
    String paramId = "OutputParameter.I2c94907127855da201278df551b62602._";
    //
    String paramValue = ",,,";
    //
    // String paramDisplayValue = paramValue;
    //
    JSONArray paramsArr = new JSONArray();
    JSONObject paramObj = new JSONObject();
    paramObj.put("id", paramId);
    paramObj.put("value", paramValue);
    // paramObj.put("displayValue", paramDisplayValue);
    paramsArr.put(paramObj);
    String paramsJsonArrStr = paramsArr.toString();
    //
    int rowsPerPage = 2;
    //
    boolean getTotalRows = true;

```

```

//
ViewMetaData ret = bizViewService.openLoadDataView(bizViewId, paramsJsonArrStr,
    rowsPerPage, getTotalRows());
String loadDataClientId = ret.getClientId();
int totalRows = ret.getTotalRowCount();
List<String> fieldNames = ret.getFieldNames();
// List<String> fieldTypes = ret.getFieldTypes();
//
int pages = totalRows / rowsPerPage + (totalRows % rowsPerPage == 0 ? 0 : 1);
System.out.println("" + totalRows + "" + rowsPerPage + "" + pages + "");
StringBuilder buf = new StringBuilder();
buf.append("|\\t");
for (int i = 0; i < fieldNames.size(); i++) {
    buf.append(fieldNames.get(i)).append("\\t");
}
buf.append("|");
System.out.println("-----");
System.out.println(buf.toString());
//
for (int pageNum = 0; pageNum < pages; pageNum++) {
    System.out.println("---" + (pageNum + 1) + "-----");
    List<List<String>> dataList = bizViewService.loadViewData(loadDataClientId, pageNum);
    if (dataList != null && dataList.size() > 0) {
        for (List<String> cellDatas : dataList) {
            buf.setLength(0);
            buf.append("|\\t");
            for (String data : cellDatas) {
                buf.append(data).append("\\t");
            }
            buf.append("|");
            System.out.println(buf.toString());
        }
    }
}
System.out.println("-----");
//
bizViewService.closeLoadDataView(loadDataClientId);
}
/**
 *
 *
 * @param conn
 *
 */
private void closeClientConnector(ClientConnector conn) {
    if (conn != null) {
        conn.close();
        conn = null;
    }
}
}

```

3、示例运行效果:

```
Console Problems History Search Progress
<terminated> BusinessViewServiceSDKDemo [Java Application] D:\@working\dev_home\jdk\jdk-1.6.0.30\bin\javaw.exe (2
共5行，每页2行，共3页：
-----第1页-----
|      行号      产品名称  单价      库存      |
|      1      1      1      1      |
|      饼干      饼干      饼干      饼干      |
-----第2页-----
|      3      3      3      3      |
|      花生      花生      花生      花生      |
-----第3页-----
|      5      5      5      5      |
-----
<
```

4、示例源码(Eclipse)工程

[SmartbiSDKDemo_Eclipse_Project.zip](#)