# Mondrian

1. 创建web项目
2. 资源下载

2.1 Mondrian3.5的下载地址：

<https://nchc.dl.sourceforge.net/project/mondrian/mondrian/mondrian-3.5.0/mondrian-3.5.0.zip>

#### 2.2 jpivot压缩包

<https://sourceforge.net/projects/jpivot/files/latest/download>

2.3 JDBC driver下载(引入jar,并放到lib文件夹)

[https://cdn.mysql.com//Downloads/Connector-J/mysql-connector-java-5.1.45.zip](https://cdn.mysql.com/Downloads/Connector-J/mysql-connector-java-5.1.45.zip)

1. 文件导入

3.1 Mondrian

mondrian文件夹下找到mondrian.war解压，解压文件中将jpivot、wcf文件夹和busy.jsp、error.jsp、testpage.jsp文件复制到Web目录下。

再将解压文件中下WEB-INF文件夹中的web.xml替换web工程中的web.xml文件

3.2 Jpivot

Jpivot解压，解压的文件夹下的WEB-INF文件夹中的jpivot、lib、queries、wcf文件夹复制到自己WEB-INF下。

#### 4 配置模式文件

index.jsp

<%@ taglib uri="http://www.tonbeller.com/jpivot" prefix="jp" %>

<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<jp:mondrianQuery id="query01"

catalogUri="/WEB-INF/queries/test.xml"

jdbcDriver="com.mysql.jdbc.Driver"

jdbcUrl="jdbc:mysql://localhost:3306/mondrian"

jdbcUser="root"

jdbcPassword="123456"

>

select

{[Measures].[numb],[Measures].[averPri],[Measures].[totalSale]} on columns,

{([proType].[allPro],[cusGender].[allGender])}

on rows

from [Sales]

</jp:mondrianQuery>

<c:set var="title01" scope="session">Sales</c:set>

<a href="testpage.jsp">Analysis</a>

test.xml

<?xml version="1.0" encoding="UTF-8"?>

<Schema name="hello">

<Cube name="Sales">

<!-- 事实表(fact table) -->

<Table name="Sale" />

<!-- 客户维 -->

<Dimension name="cusGender" foreignKey="cusId">

<Hierarchy hasAll="true" allMemberName="allGender" primaryKey="cusId">

<Table name="Customer"></Table>

<Level name="gender" column="gender"></Level>

</Hierarchy>

</Dimension>

<!-- 产品类别维 -->

<Dimension name="proType" foreignKey="proId">

<Hierarchy hasAll="true" allMemberName="allPro" primaryKey="proId" primaryKeyTable="Product">

<join leftKey="proTypeId" rightKey="proTypeId">

<Table name="Product" />

<Table name="ProductType"></Table>

</join>

<Level name="proTypeId" column="proTypeId"

nameColumn="proTypeName" uniqueMembers="true" table="ProductType" />

<Level name="proId" column="proId" nameColumn="proName"

uniqueMembers="true" table="Product" />

</Hierarchy>

</Dimension>

<Measure name="numb" column="number" aggregator="sum" datatype="Numeric" />

<Measure name="totalSale" aggregator="sum" formatString="￥#,##0.00">

<!-- unitPrice\*number所得值的列 -->

<MeasureExpression>

<SQL dialect="generic">(unitPrice\*number)</SQL>

</MeasureExpression>

</Measure>

<CalculatedMember name="averPri" dimension="Measures">

<Formula>[Measures].[totalSale] / [Measures].[numb]</Formula>

<CalculatedMemberProperty name="FORMAT\_STRING" value="￥#,##0.00" />

</CalculatedMember>

</Cube>

</Schema>

异常总结：

1.com.tonbeller.jpivot.tags.OlapModelTag#doEndTag:

com.tonbeller.wcf.controller.EmptyThreadLocalStackException

 将 web.xml 中的 filter 的 url­-pattern 值由 “ /testpage.jsp ” 改为 “ \*.jsp ”

# [Liferay pentaho Integaration throwing error javax.naming.OperationNotSupportedException: Context is read only error](https://stackoverflow.com/questions/14258309/liferay-pentaho-integaration-throwing-error-javax-naming-operationnotsupportedex)

*WEB-INF/classes目录下新建文件*****resfactory.properties****

****tbeller.usejndi=false****