

Rockwell Automation

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FactoryTalk ProductionCentre培训

基础介绍 – Process Designer

ISPB (信息软件部门)

2016年9月18日



PUBLIC INFORMATION



Allen-Bradley • Rockwell Software

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- **课程名字：**

FTPC基本培训 – Process Designer

- **课程描述：**

本课程介绍FactoryTalk ProductionCentre的Process Designer登录和界面，为后续介绍FTPC对象（类）及对象间关系打下基础。

- **目标受众：**

业务用户，项目经理，开发人员

- **培训目标：**完成该课程之后，学员将能够

- 了解Process Designer



- **课堂纪律：**
 - 关闭手机铃声，设置为静音模式
 - 举手提问、发言



Process Designer介绍

Process Designer界面

QA

Process Designer介绍

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- Process Designer是

一个Java富客户端，用来创建、配置管理对象和程序

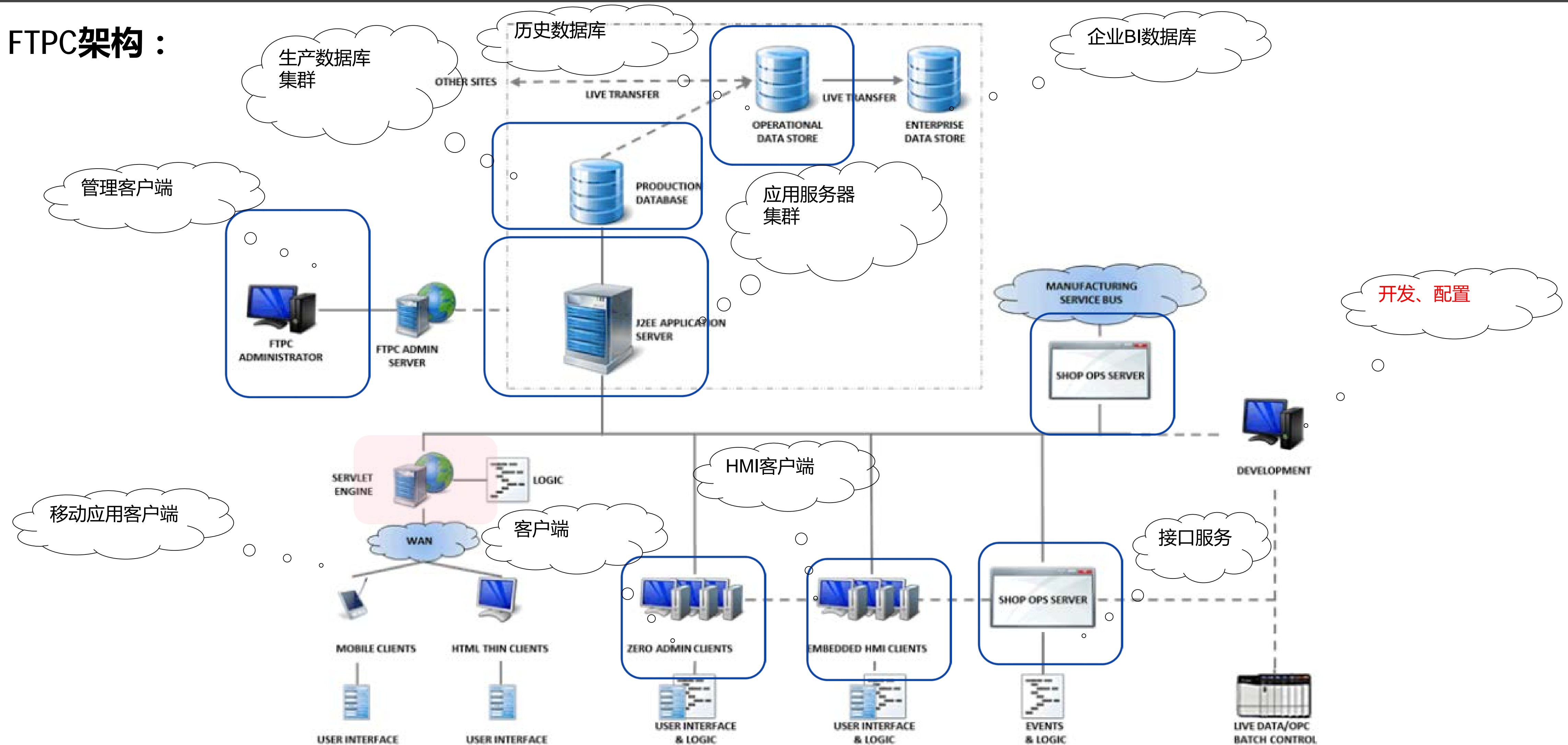
- ❑ FTPC对象创建、管理程序
- ❑ FTPC程序创建、管理程序
- ❑ FTPC用户界面（GUI）创建、管理程序
- ❑ FTPC版本管理工具
- ❑ FTPC程序配置管理工具
- ❑ FTPC workflow配置管理工具
- ❑ ...



Process Designer介绍

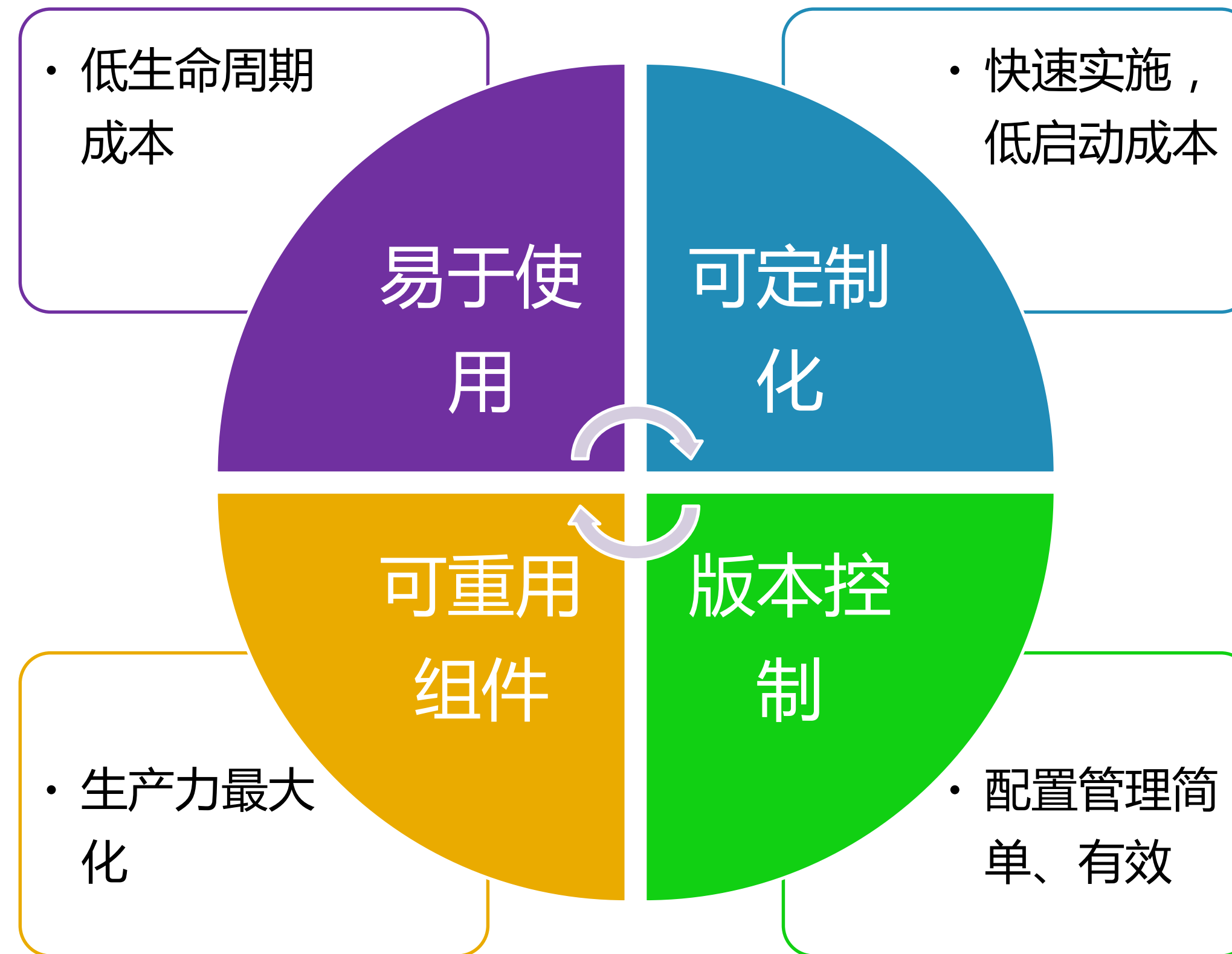
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■ FTPC架构：



Process Designer介绍

- Process Designer 特性和价值：

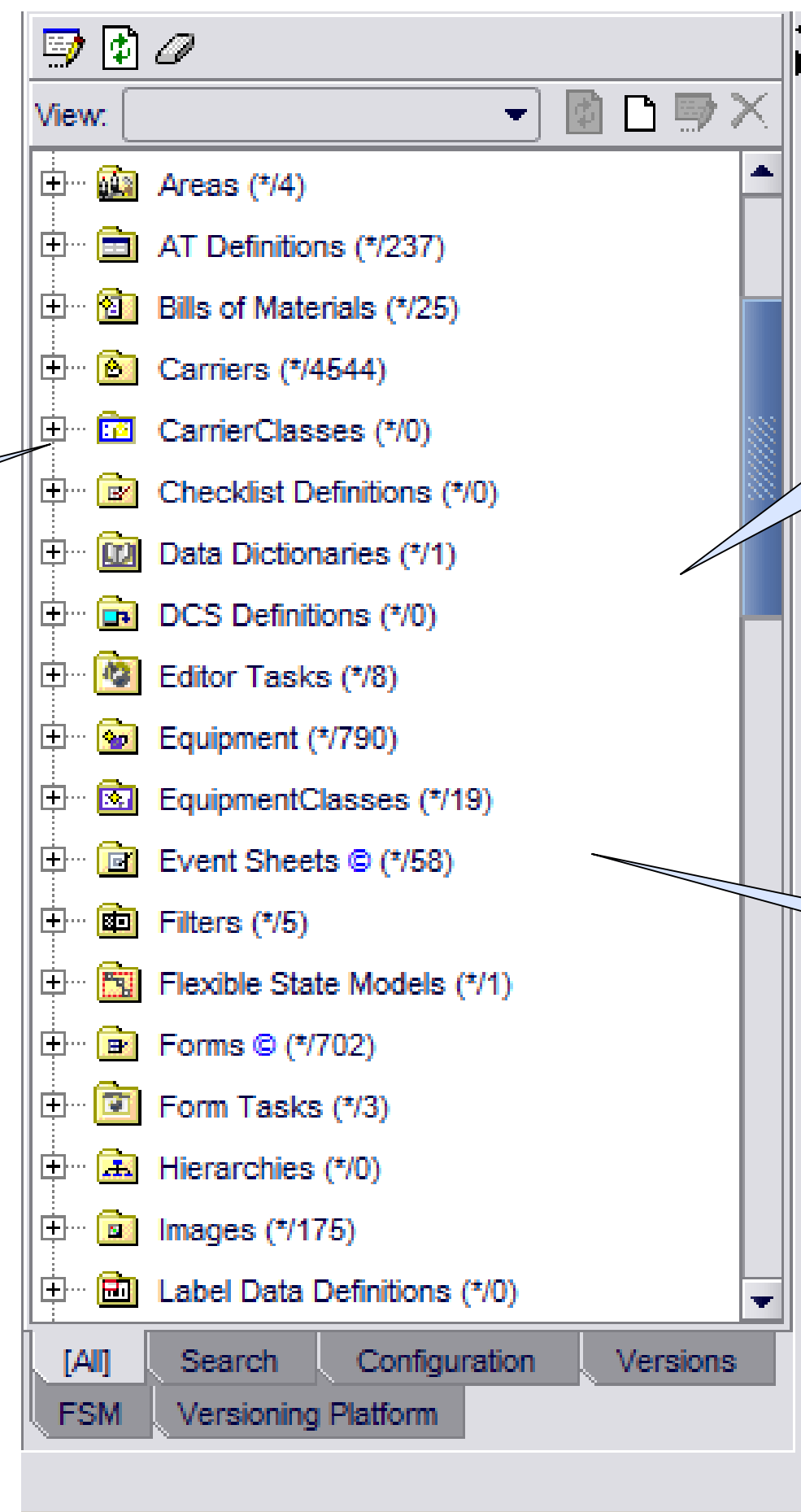


Process Designer介绍

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- 易于使用

逻辑组织，用一个熟悉的图形用户界面，缩短了学习曲线

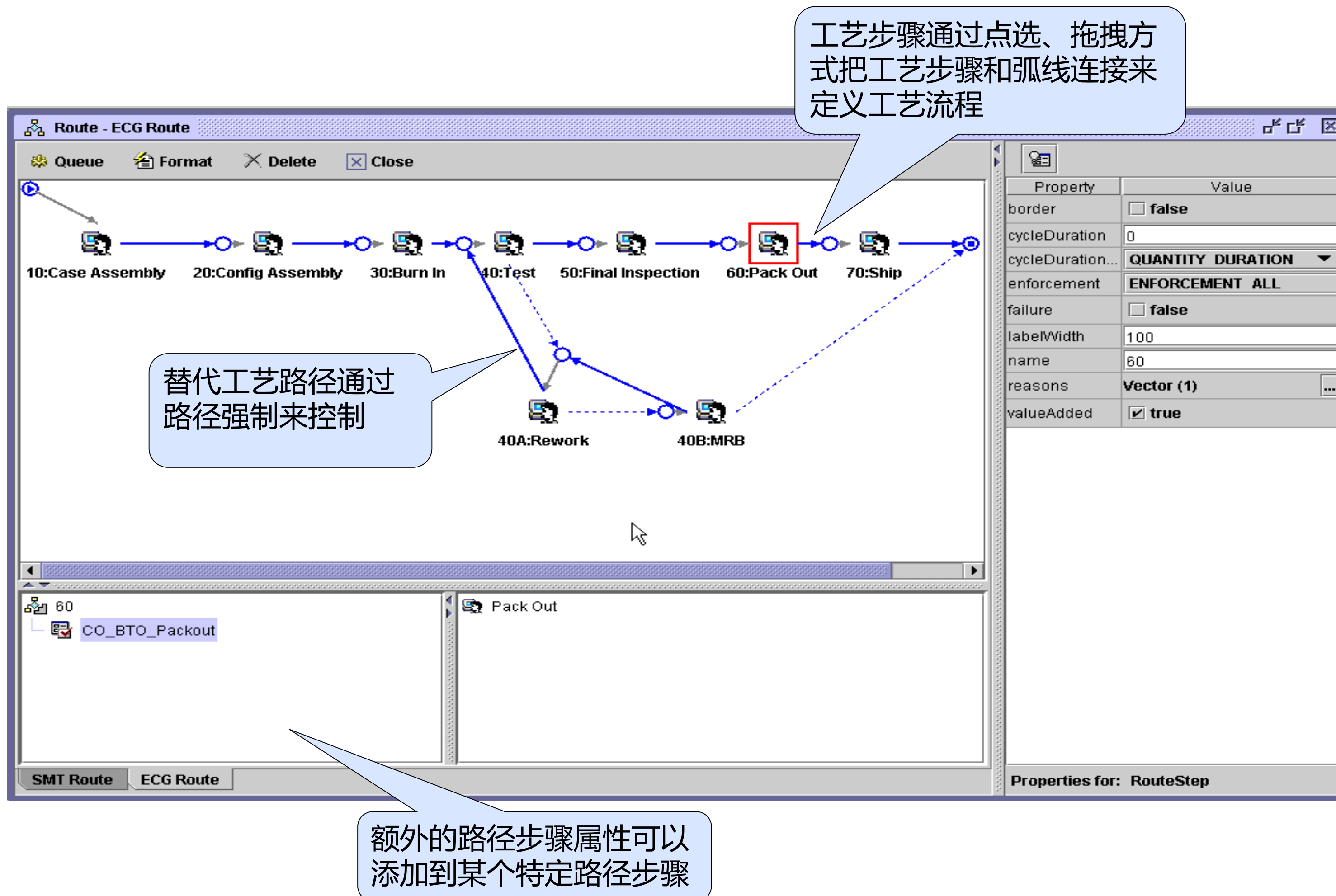


熟悉的术语和对象加快对工具的接受速度.

点选对象，拖拽移动或使用对象

Process Designer介绍

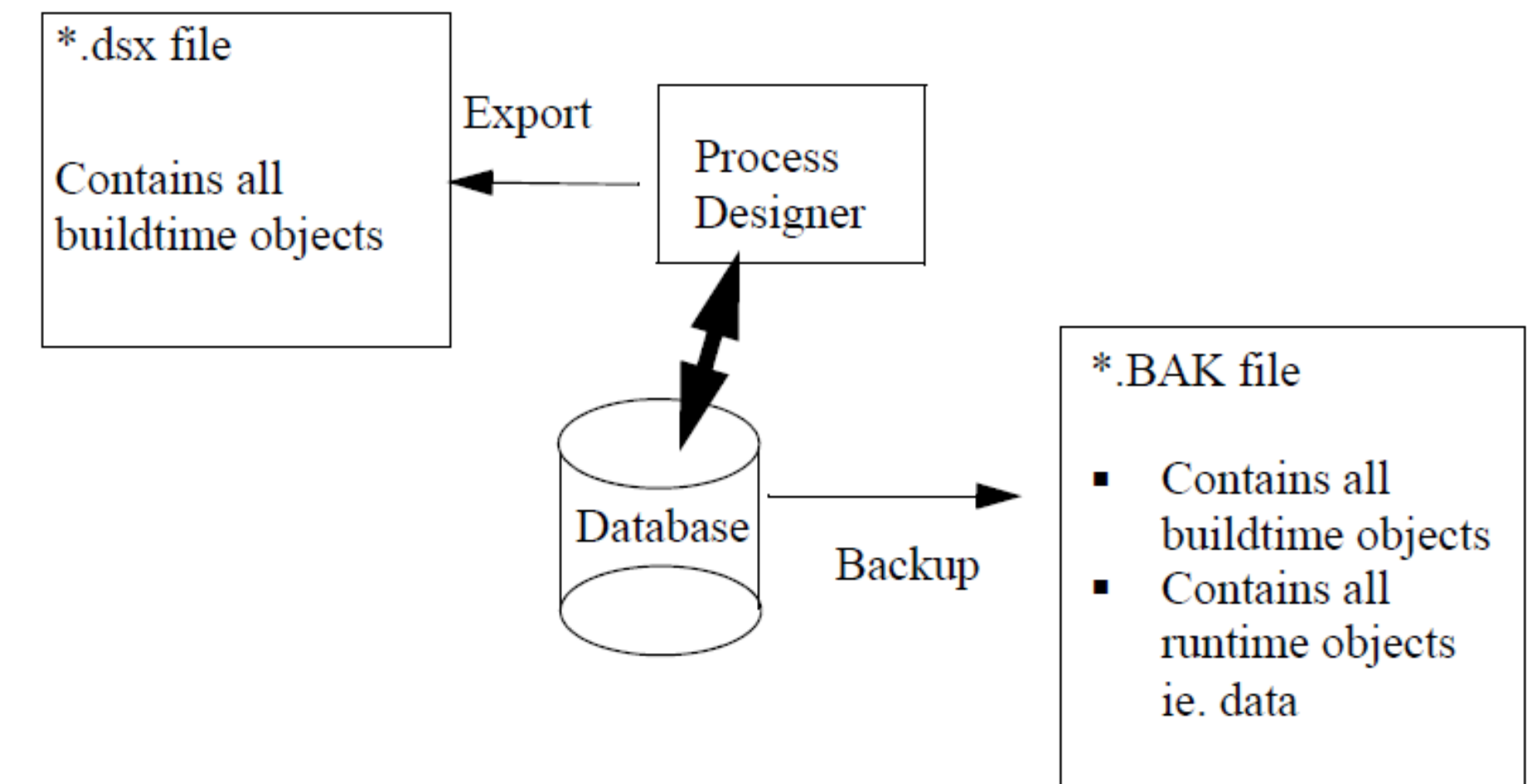
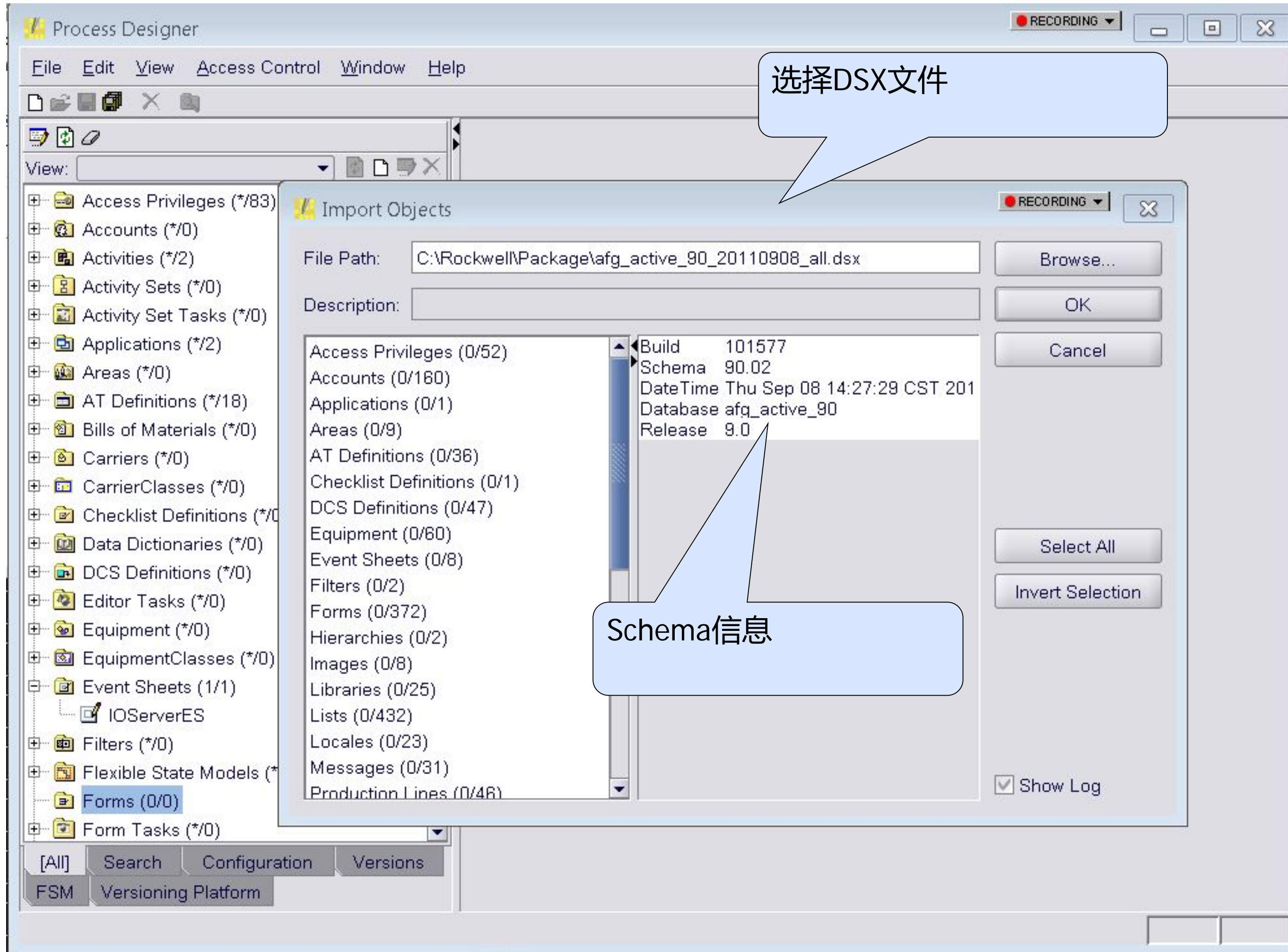
■ 重用组件：工艺路径



Process Designer介绍

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■ 重用组件：导入、导出



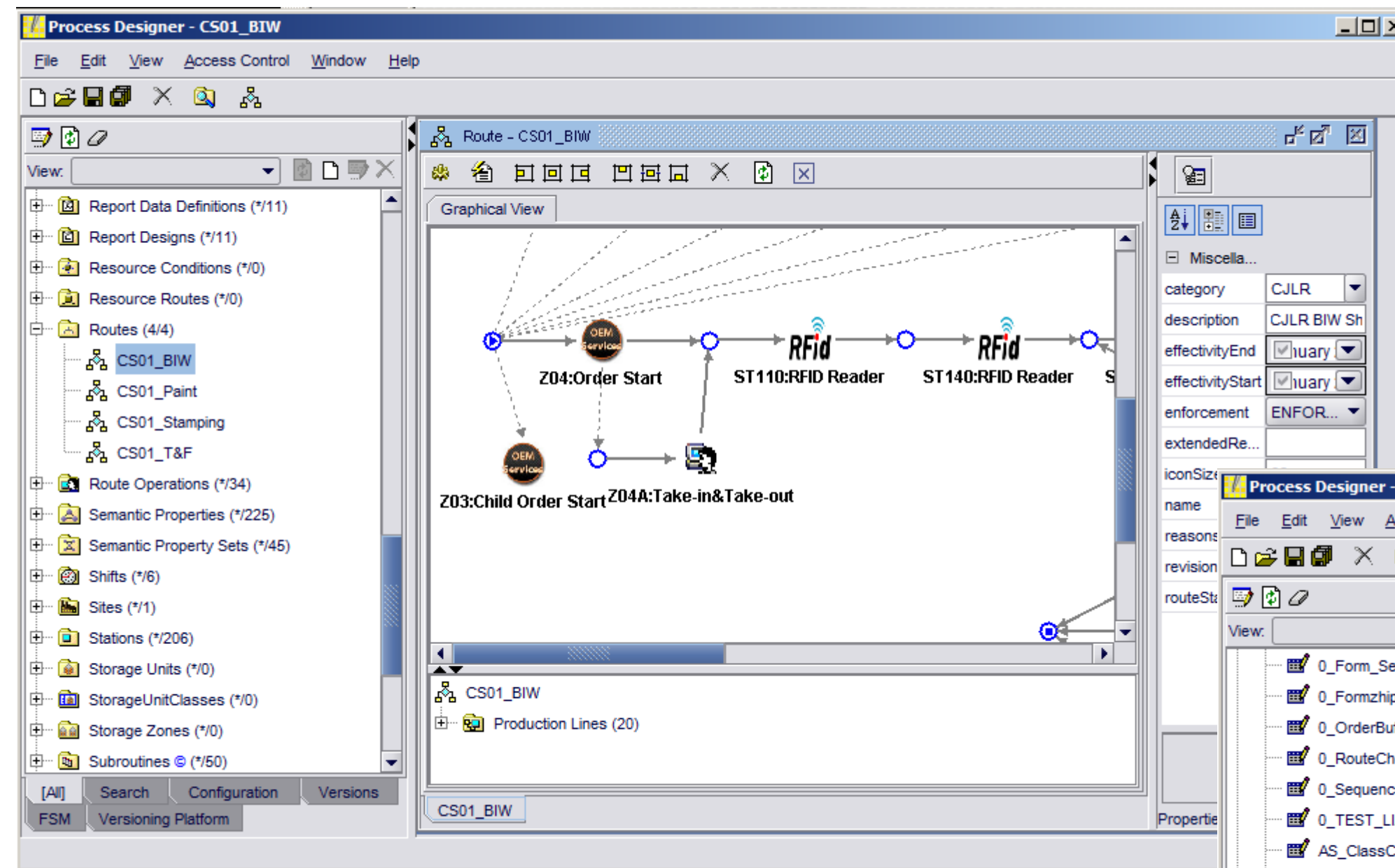
■ 对象导出、导入方式

- 用户通过Process Designer将对象导出为dsx文件
- 用户可以通过Process Designer将dsx文件中的对象导入
- 支持低版本导出的dsx文件导入到相同版本或更高版本中

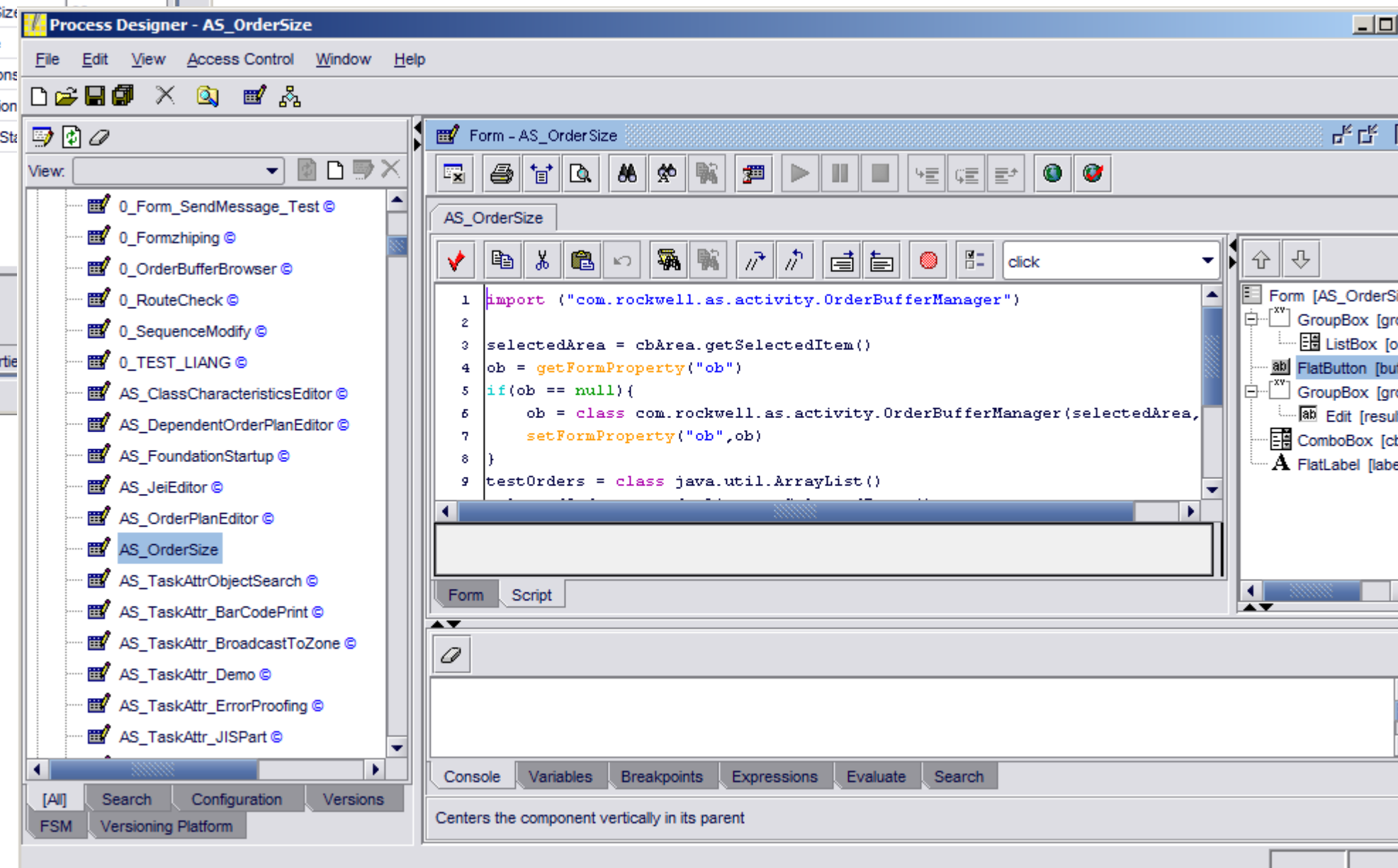
Process Designer介绍

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快速定制



- 点选, 拖拽
工艺流程编辑

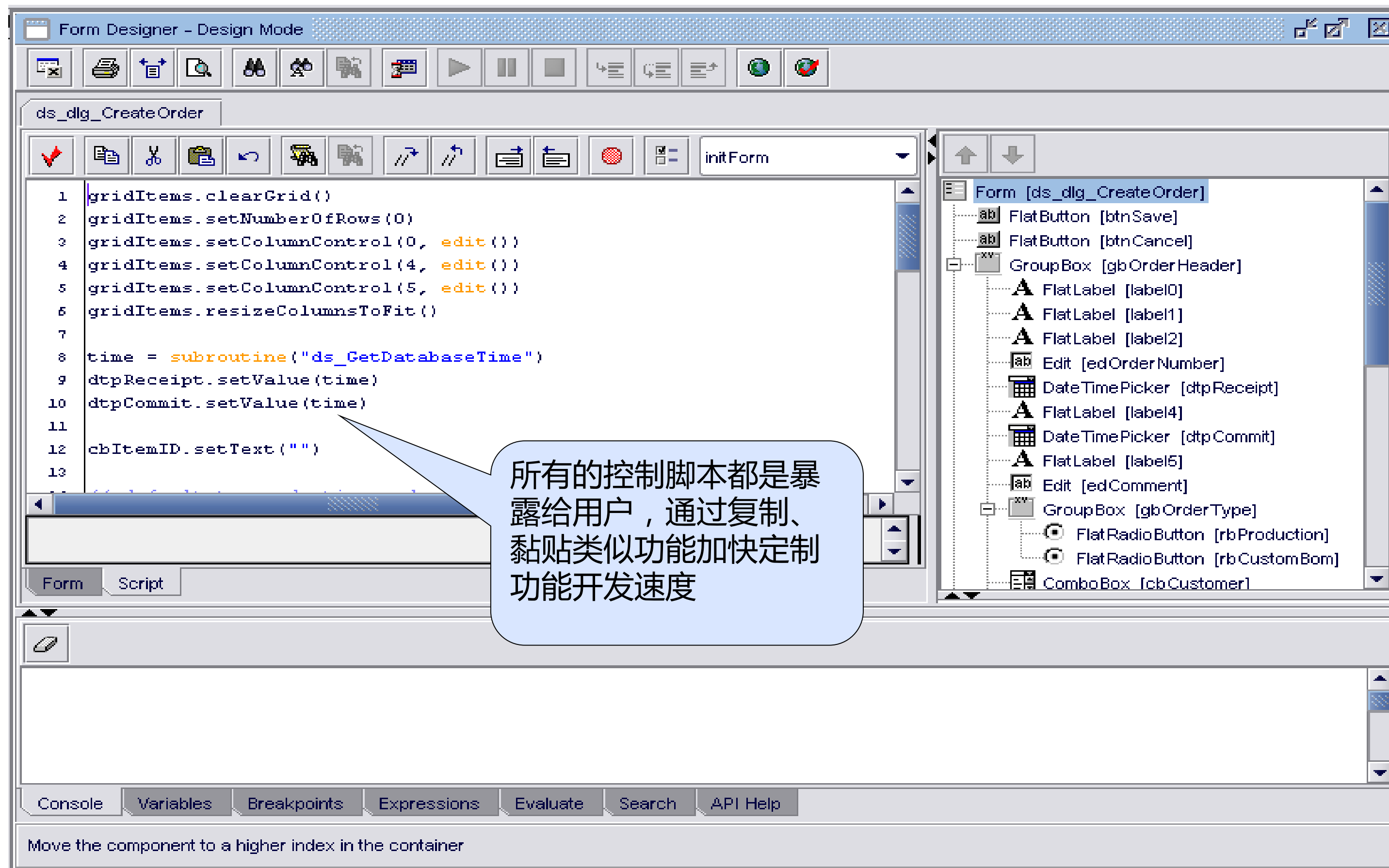


- 重用组件，快速定制

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■ 快速定制



Process Designer介绍

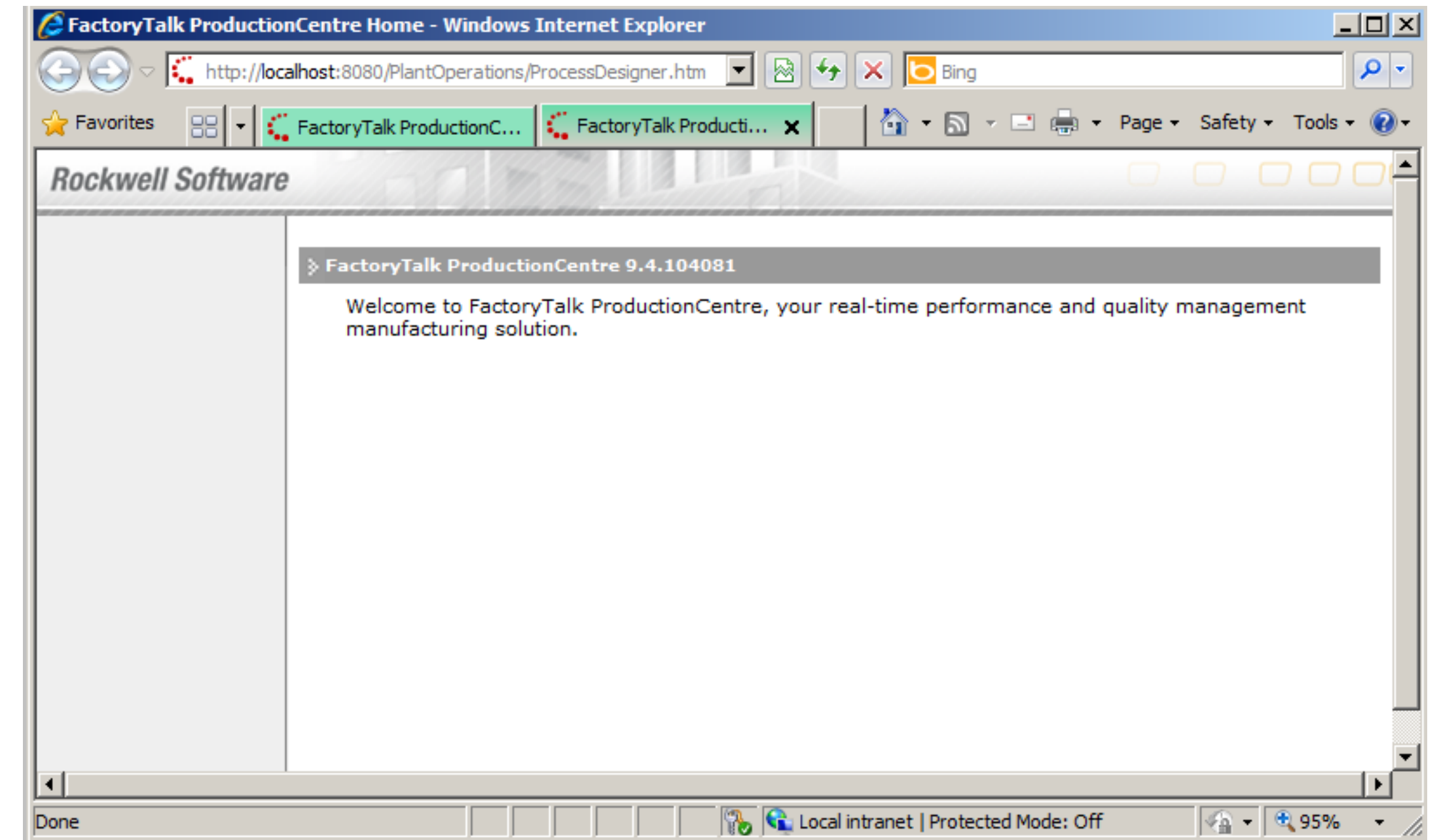
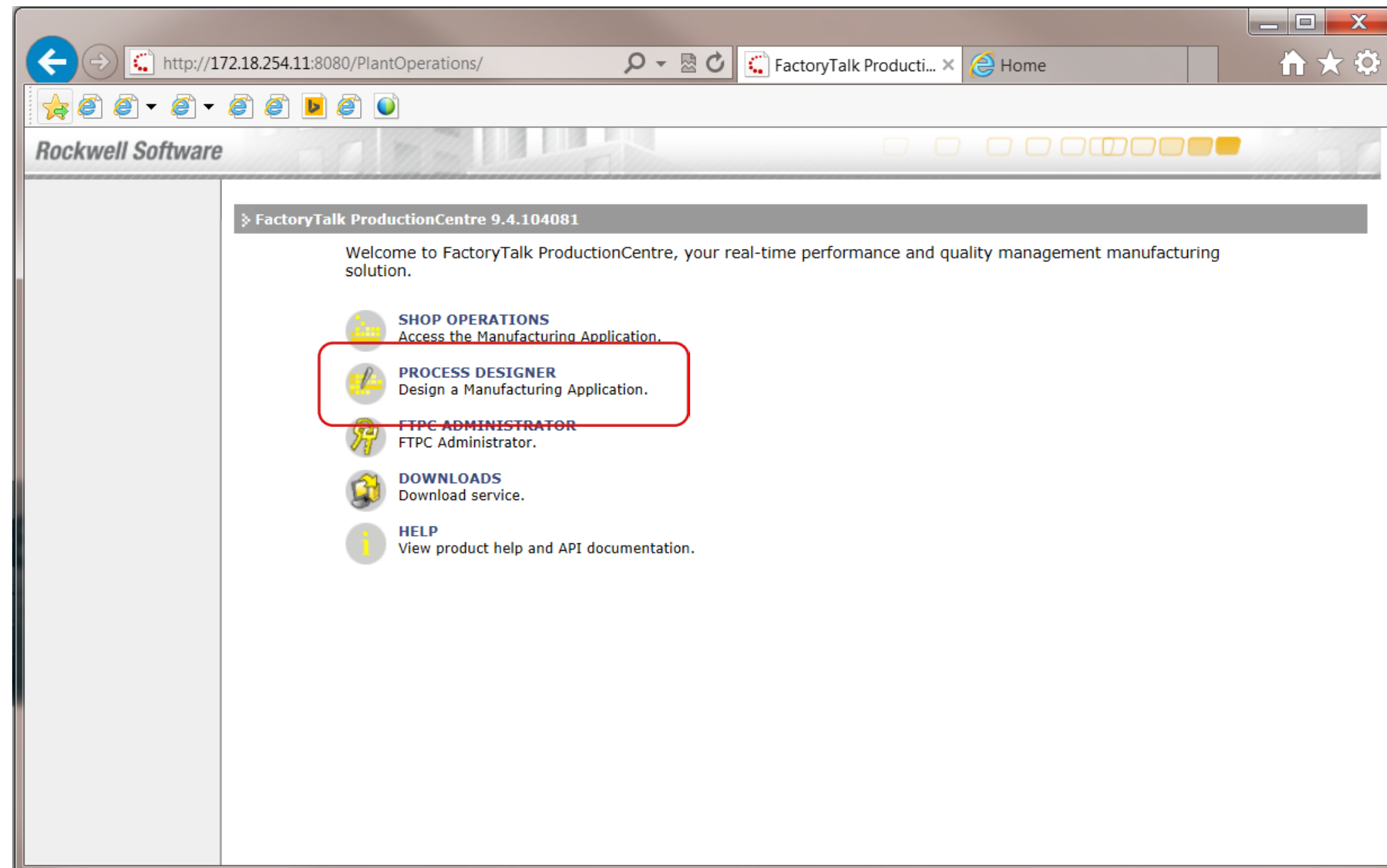
Process Designer界面

QA

Process Designer界面

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- 通过FTPC主页访问Process Designer

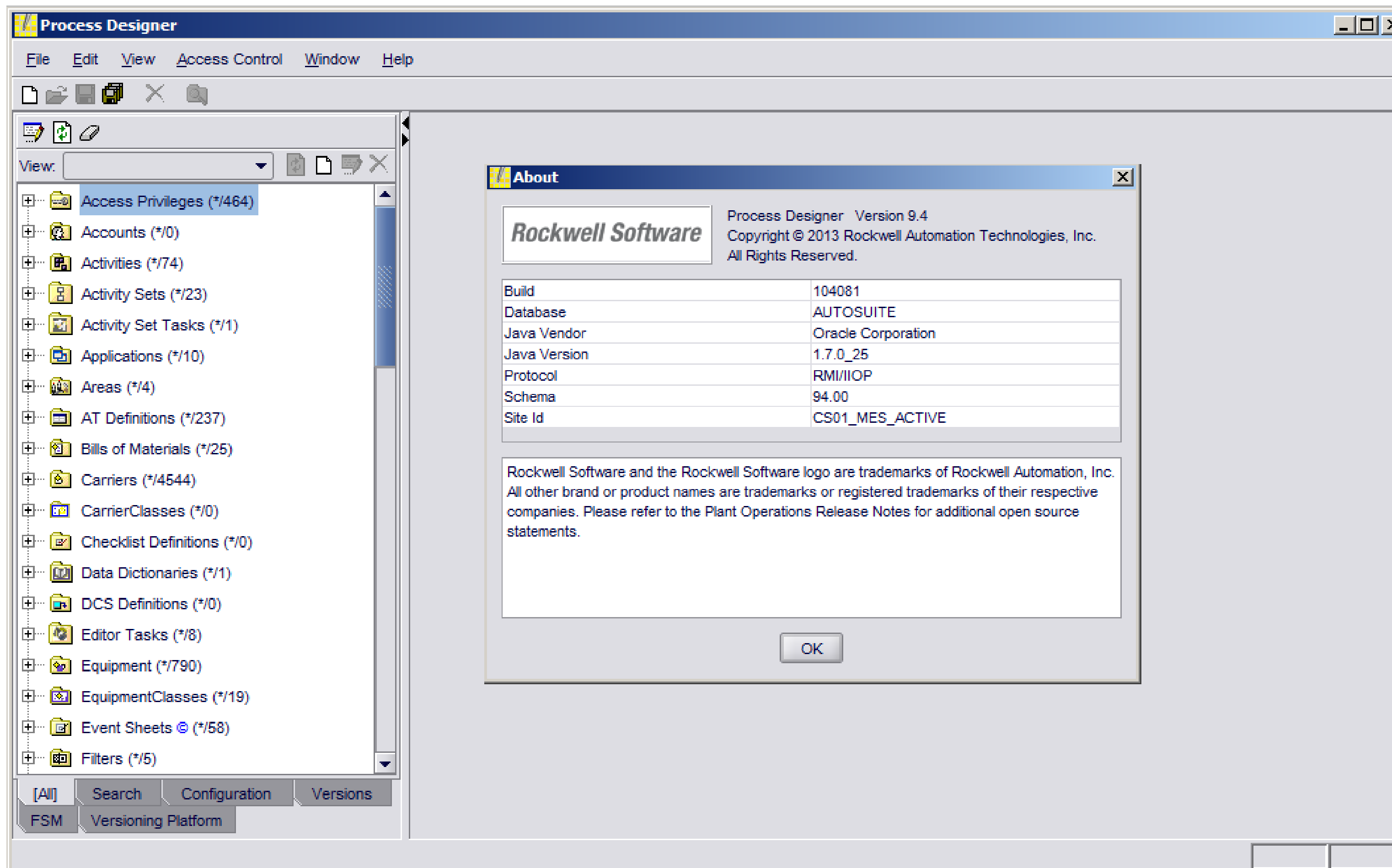


通过FTPC主页访问Process Designer

<http://localhost:8080/PlantOperations/ProcessDesigner.htm>

Process Designer界面

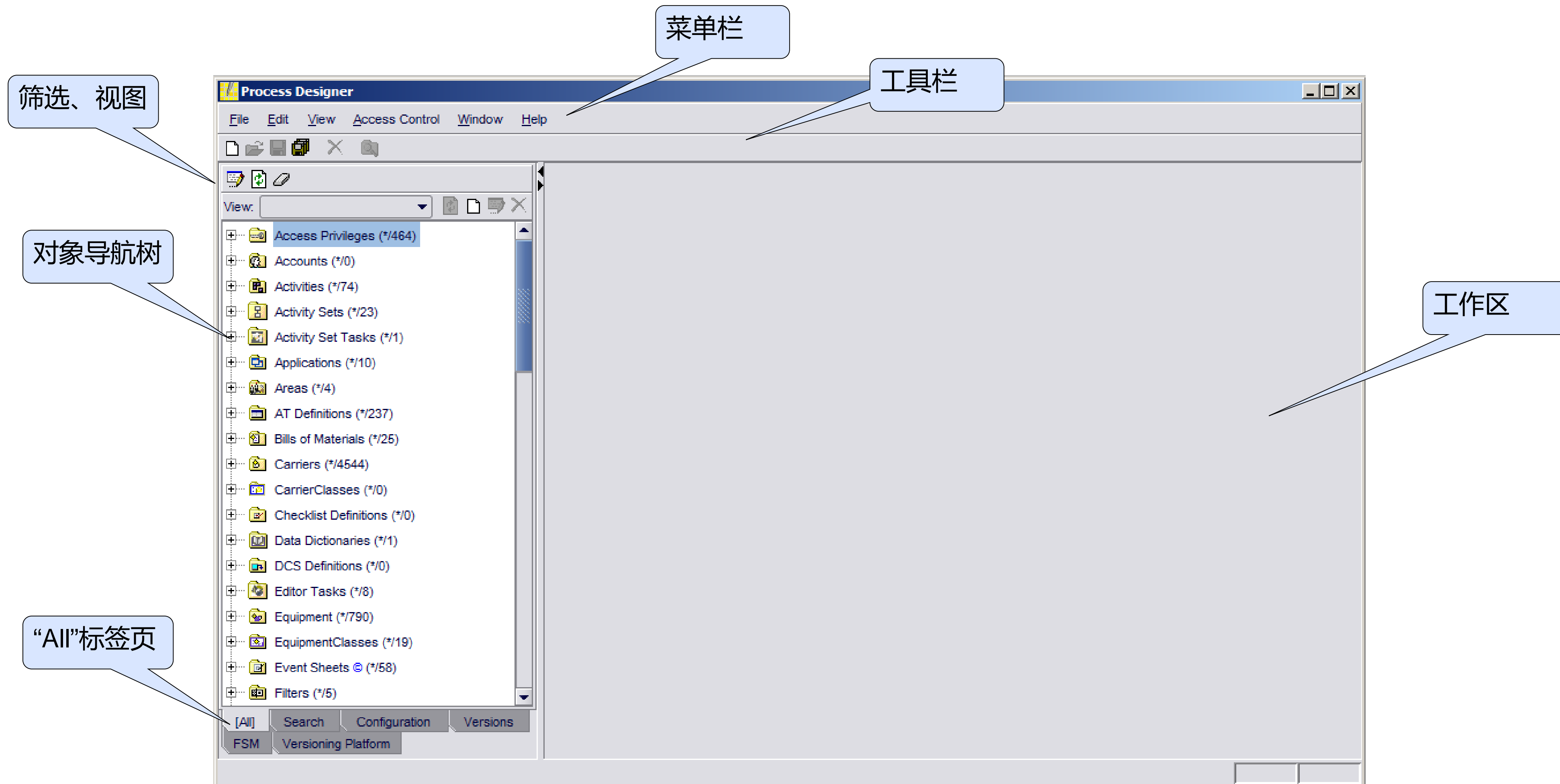
■ Process Designer主界面



Process Designer界面

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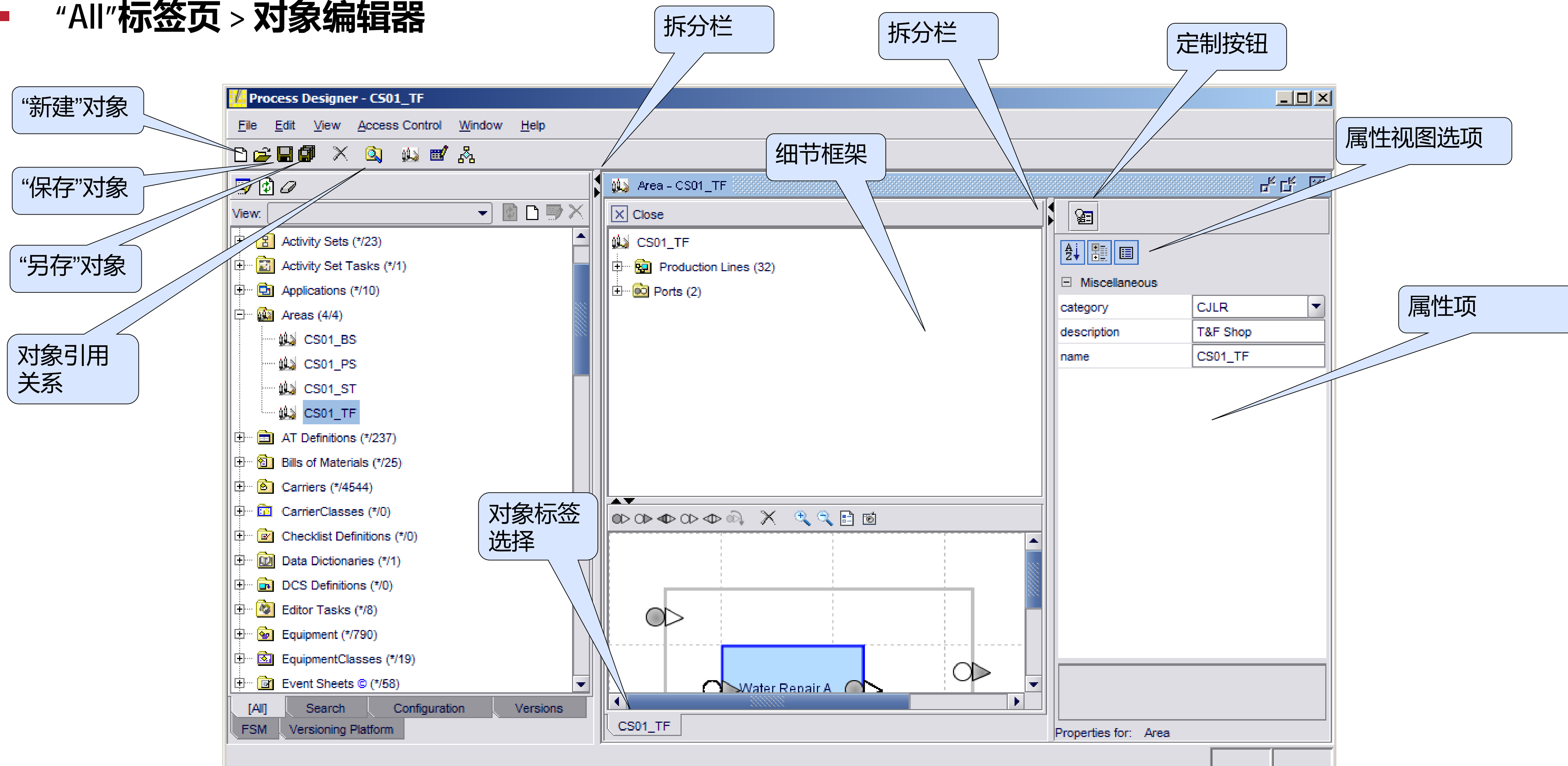
■ “All”标签页



Process Designer界面

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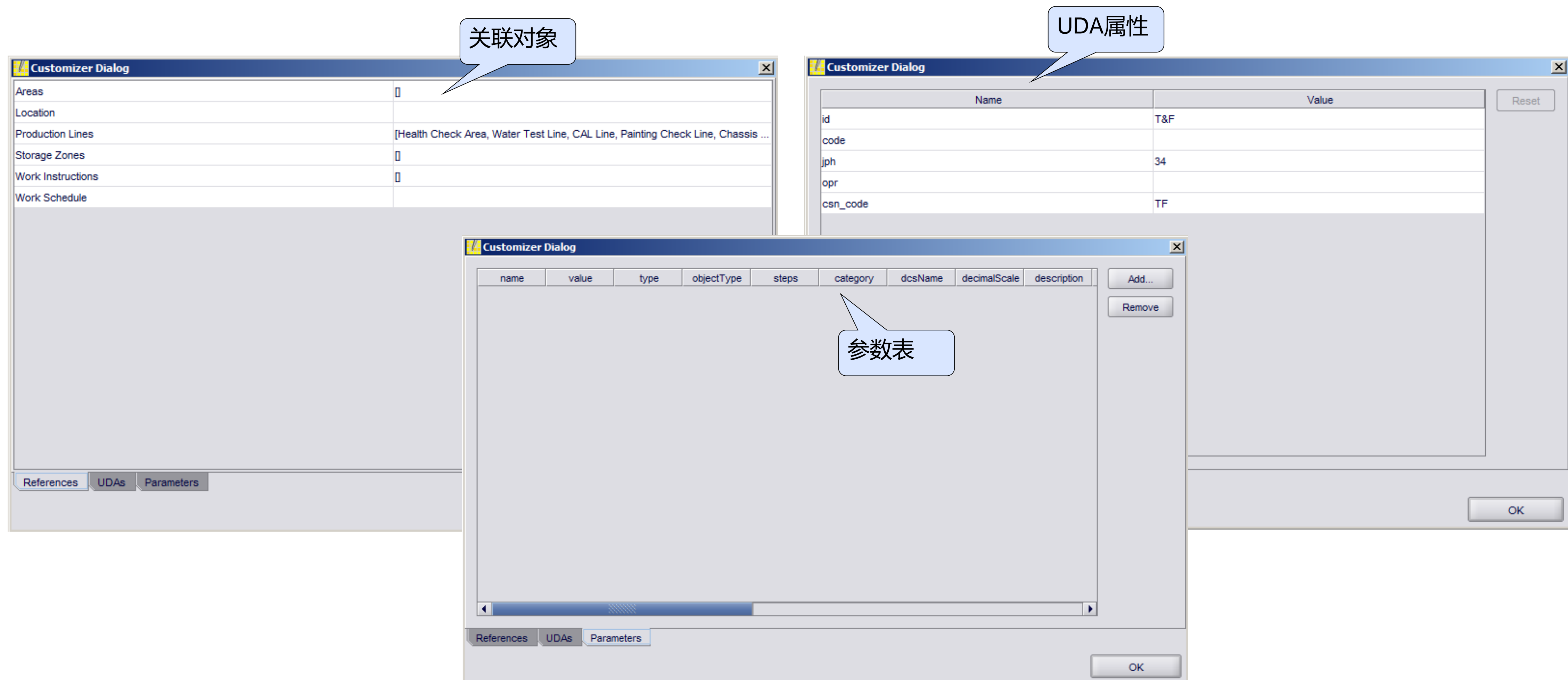
■ “All”标签页 > 对象编辑器



Process Designer界面

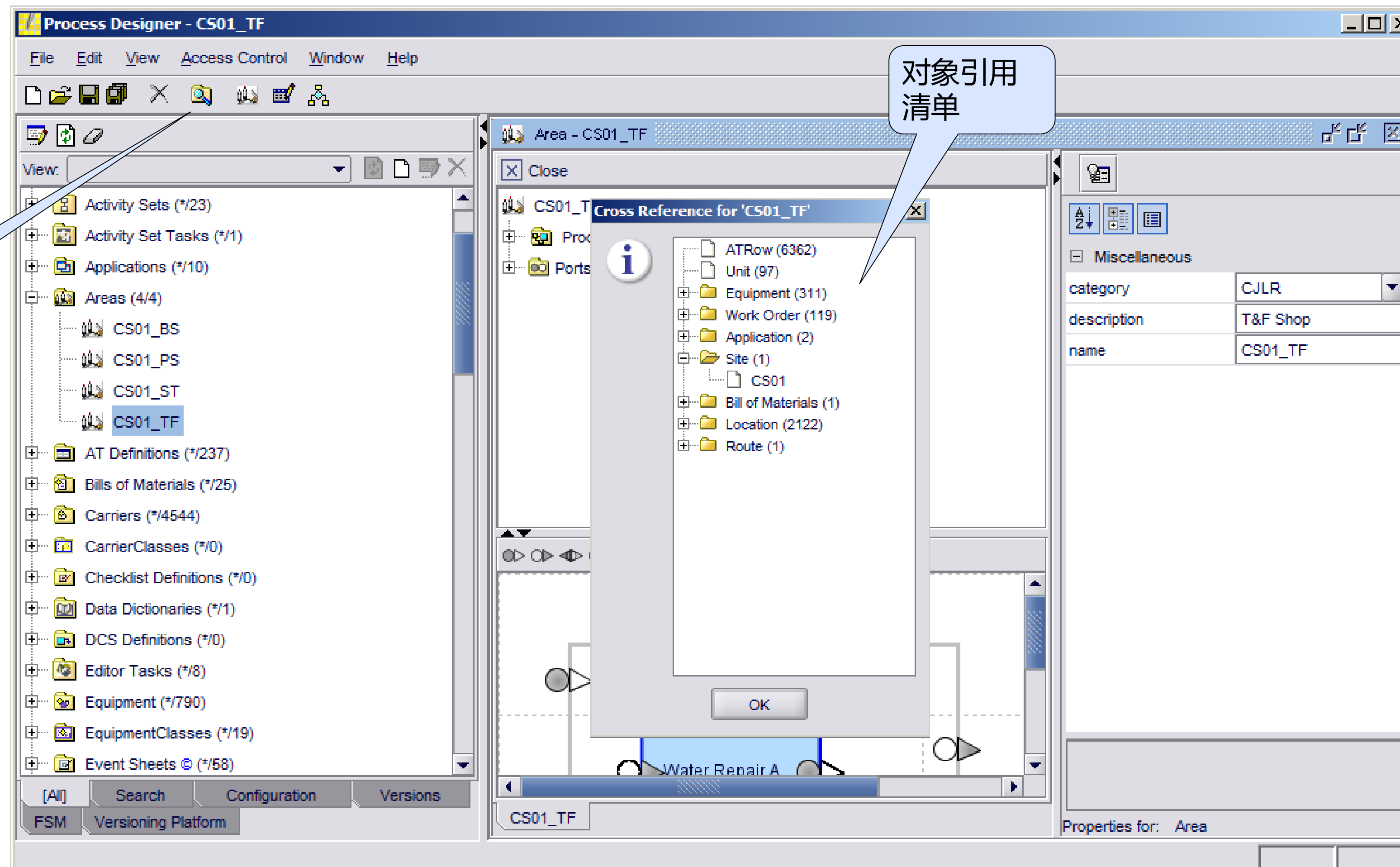
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- “All”标签页 > 对象编辑器 > 定制按钮



Process Designer界面

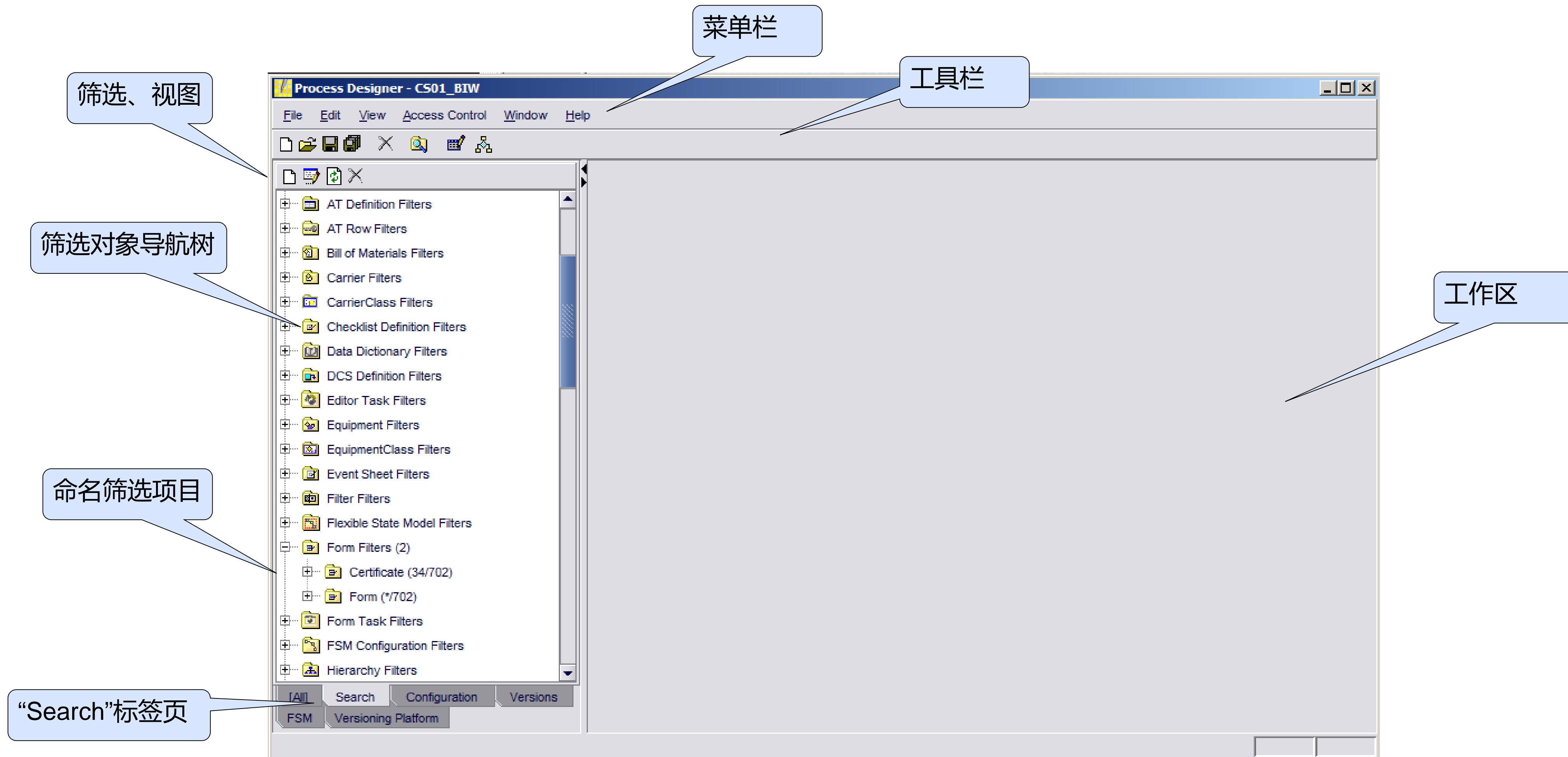
- “All”标签页 > 查看对象引用关系



Process Designer界面

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■ “Search”标签页



Process Designer界面

■ “Search”标签页 > 设置筛选条件

“新建”筛选按钮

“编辑”筛选按钮

命名筛选条件

筛选条件编辑器

设置筛选条件

限定筛选最大对象数量

Process Designer - CS01_TF

File Edit View Access Control Window Help

Filter Filters
Flexible State Model Filters
Form Filters (2)
Certificate (34/702)
Form (*702)
Form Task Filters
FSM Configuration Filters
Hierarchy Filters
Image Filters
Label Data Definition Filters
Label Design Filters
LiveData Template Filters
LiveData TagSet Definition Filters
Library Filters
List Filters
Location Filters
Master Recipe Filters
Message Filters
Part Filters
PartClass Filters

[All] Search Configuration Versions
FSM Versioning Platform

Filter Editor

Filter: Certificate

Column	Relation	Value
NAME	CONTAINING	print

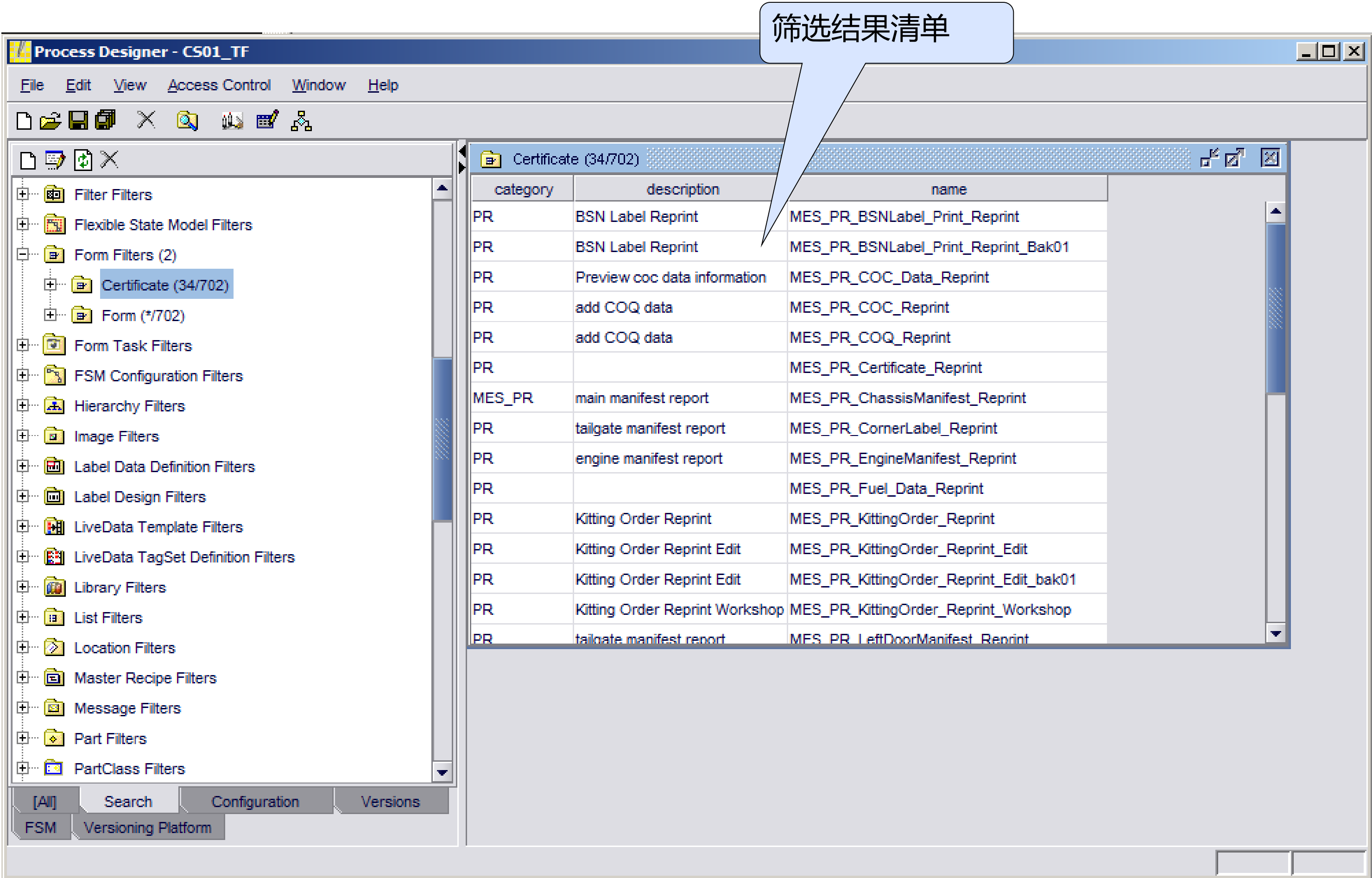
Search Order

☒ Maximum number of objects to fetch 100

Add Remove Done Cancel

Process Designer界面

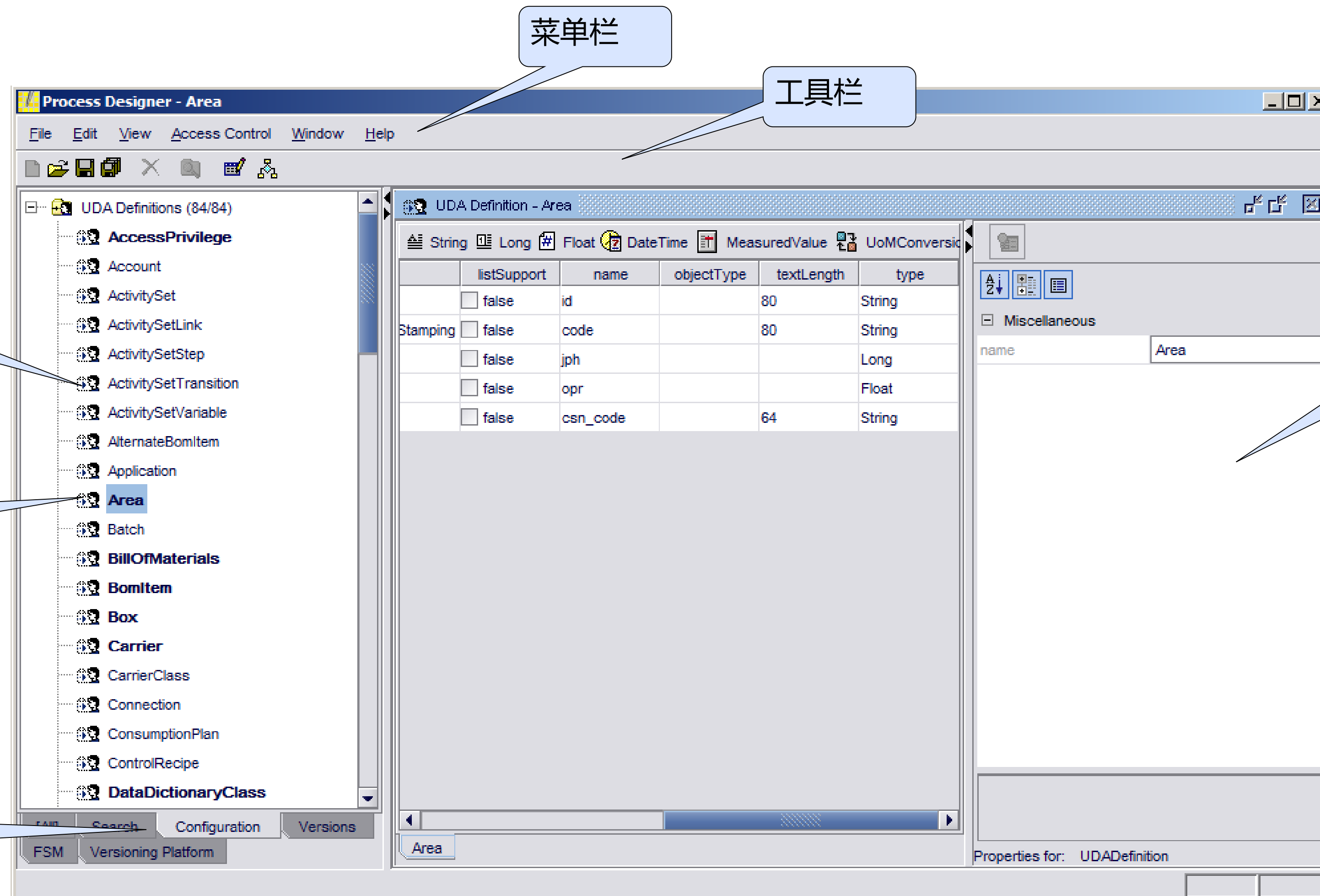
- “Search”标签页 > 应用筛选



Process Designer界面

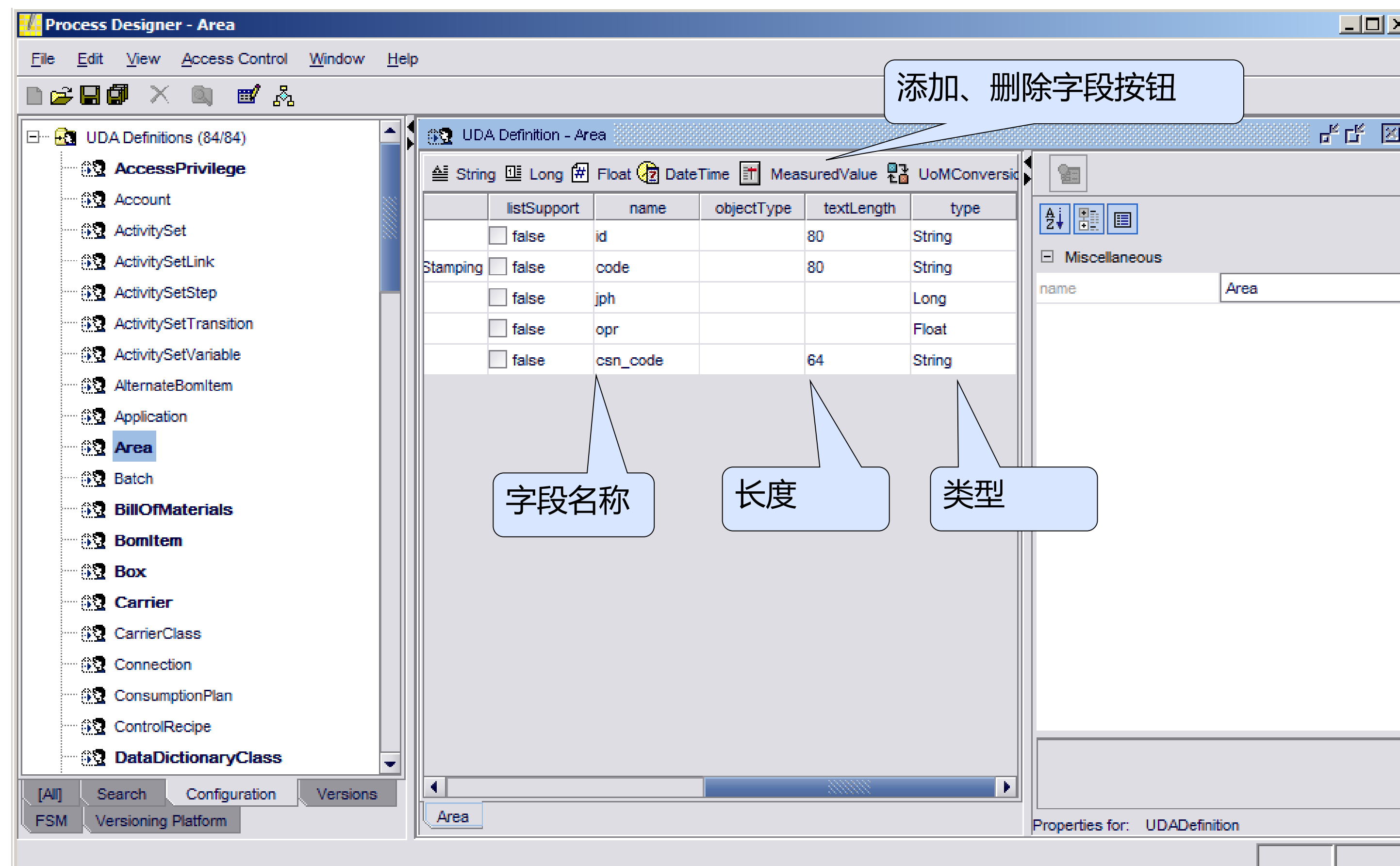
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■ “Configuration”标签页



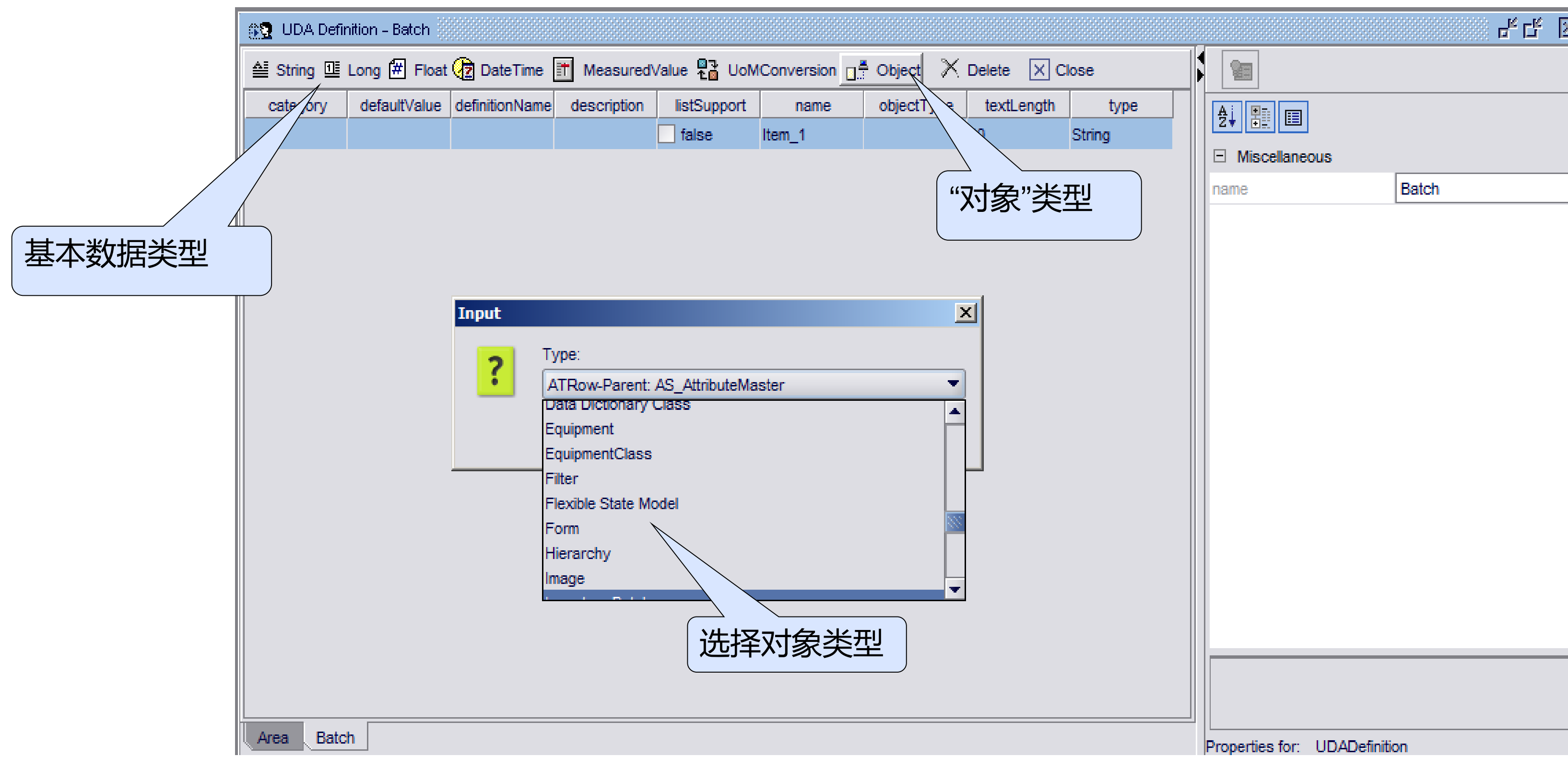
Process Designer界面

- “Configuration”标签页 > 对象类UDA编辑器



Process Designer界面

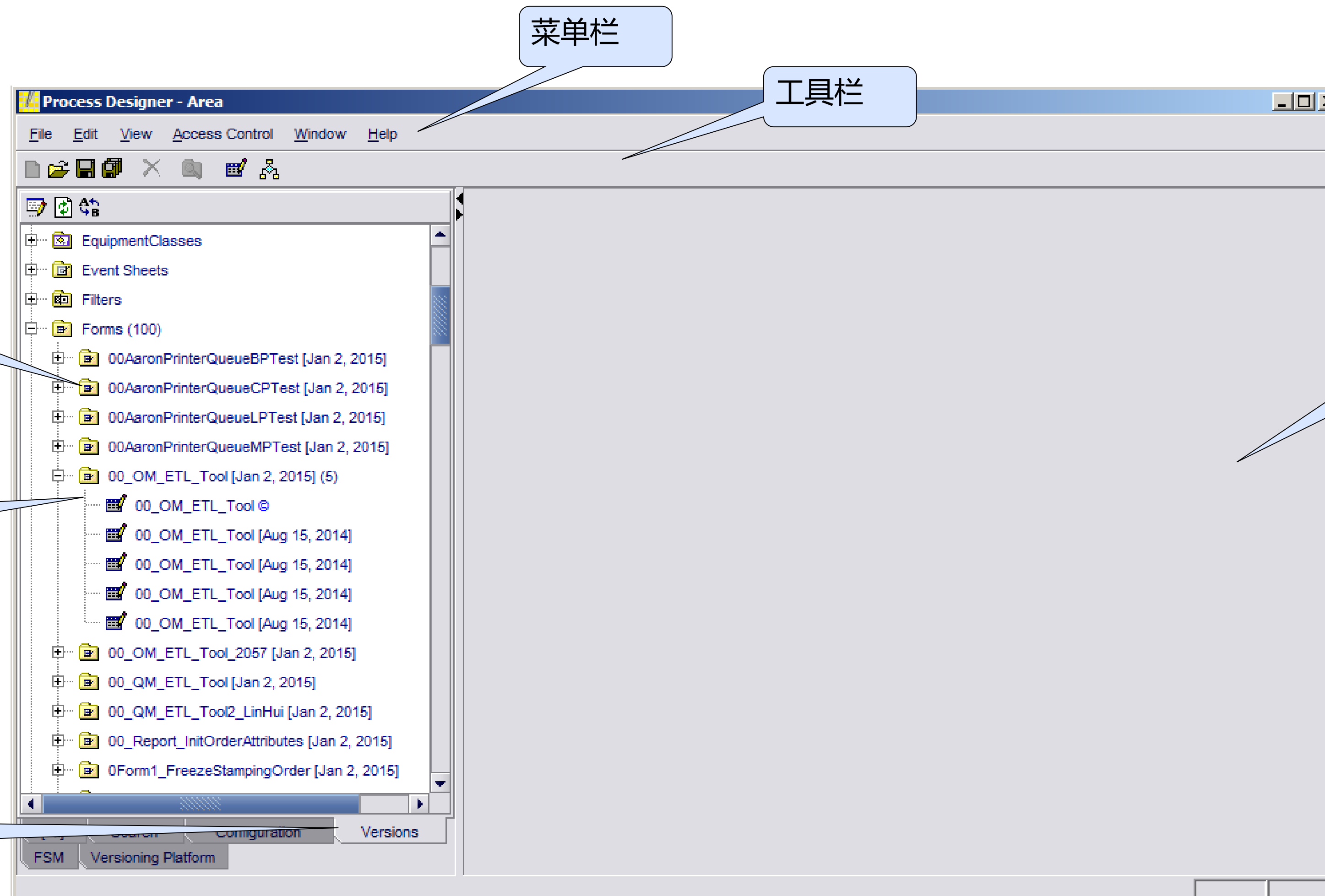
- “Configuration”标签页 > 对象类UDA编辑器



Process Designer界面

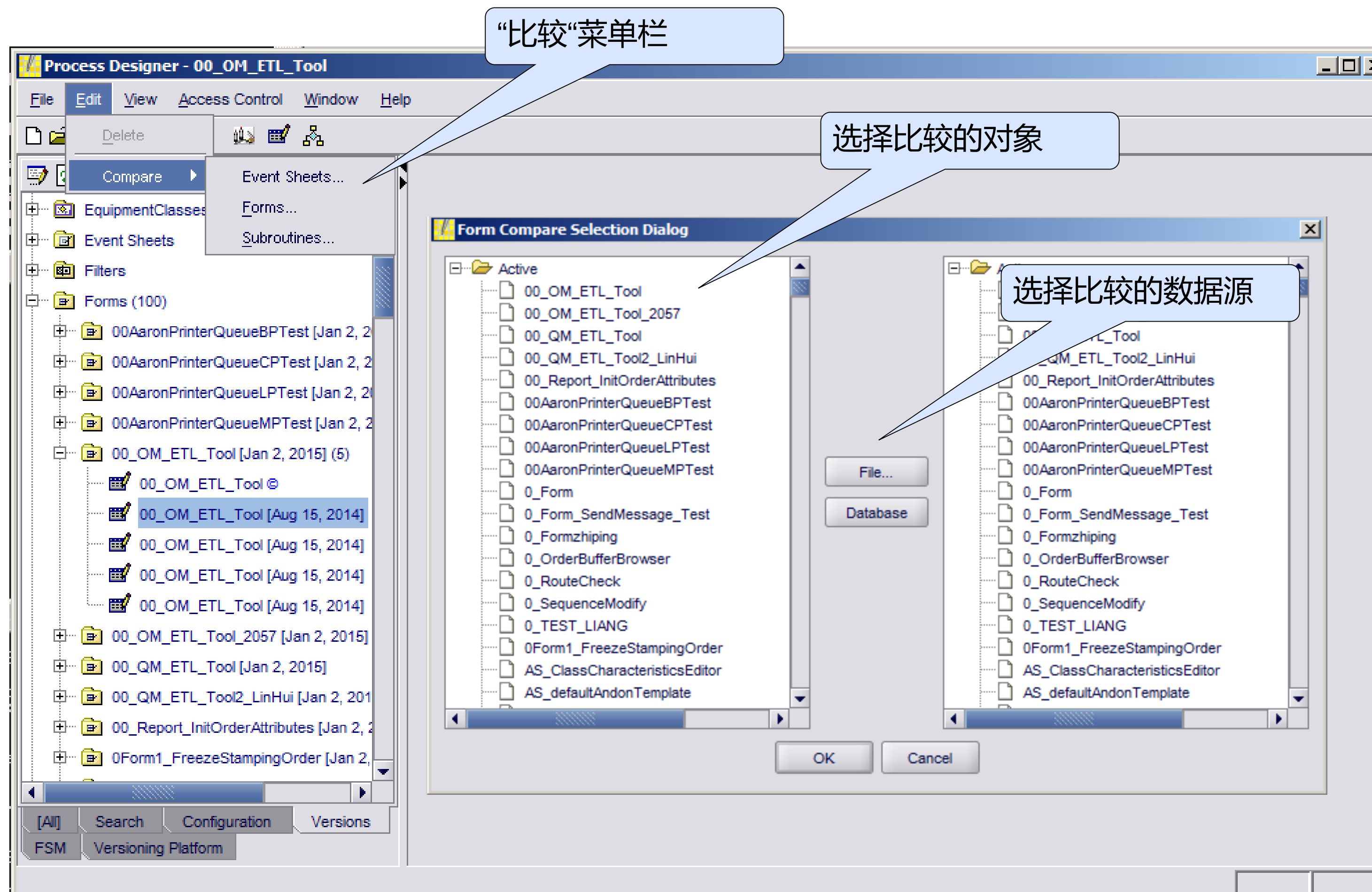
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■ “Versions”标签页



Process Designer界面

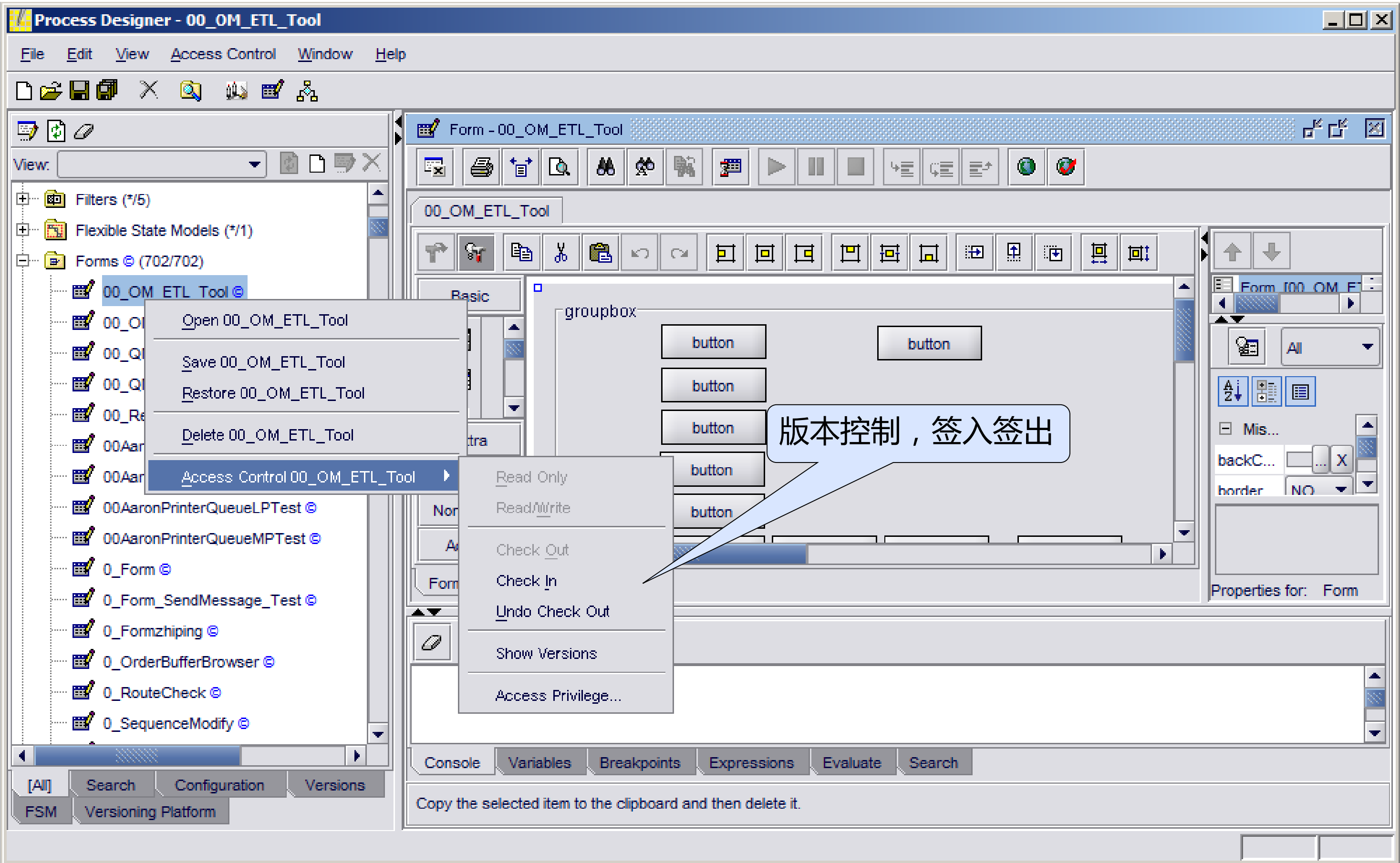
- “Edit” > Compare菜单项：代码版本比较工具



Process Designer界面



- 版本签入签出控制



版本差异

Version	User	Date
14		
7	tim	Aug 12, 2014
6	admin	Jun 24, 2014
5	admin	Jun 15, 2014
4	admin	May 7, 2014
3	admin	Apr 28, 2014

成为当前版本

Process Designer界面



版本比较工具

识别控件类型

识别控件名

Control Type	Control Name	Property/Event	Change Status
label	labelPartDesc	properties	same
dateTimePicker	datePickEnd	properties	same
edit	editJeiVersion	properties	same
label	labelJeiDesc	properties	same
edit	editJeiDesc	properties	same
label	labelEndDate	properties	same
panel	splitMainBottom	properties	same
splitPane	splitPane1	properties	same
panel	routePanel	properties	same
panel	routeActionPanel	properties	same
label	routeNameLabel	properties	same
button	addRouteBtn	properties	changed
button	addTaskBtn	properties	changed
button	editBtn	properties	changed
button	deleteRouteBtn	properties	changed
button	moveTaskDownBtn	properties	same
button	moveTaskUpBtn	properties	same
treeview	routeTreeView	properties	same
panel	taskAttrAndBomSplitPanelLeft	properties	same

自动定位上一个、下一个差异位置

高亮显示差异

高亮显示差异

```
17 opaque      true
18 preferredSize (30, 30)
19 rolloverColor (224, 224, 224)
20 roundBorderColor(0, 0, 0)
21 roundBorderSize0
22 style        1
23 tabIndex     6
24 tabStop      true
25 text         <null>
26 textAlign    18
27 textId
28 tooltipId    UI_JEI_ADDROUTE_TOOLTIP
29 tooltipText  <null>
30 visible      false
```

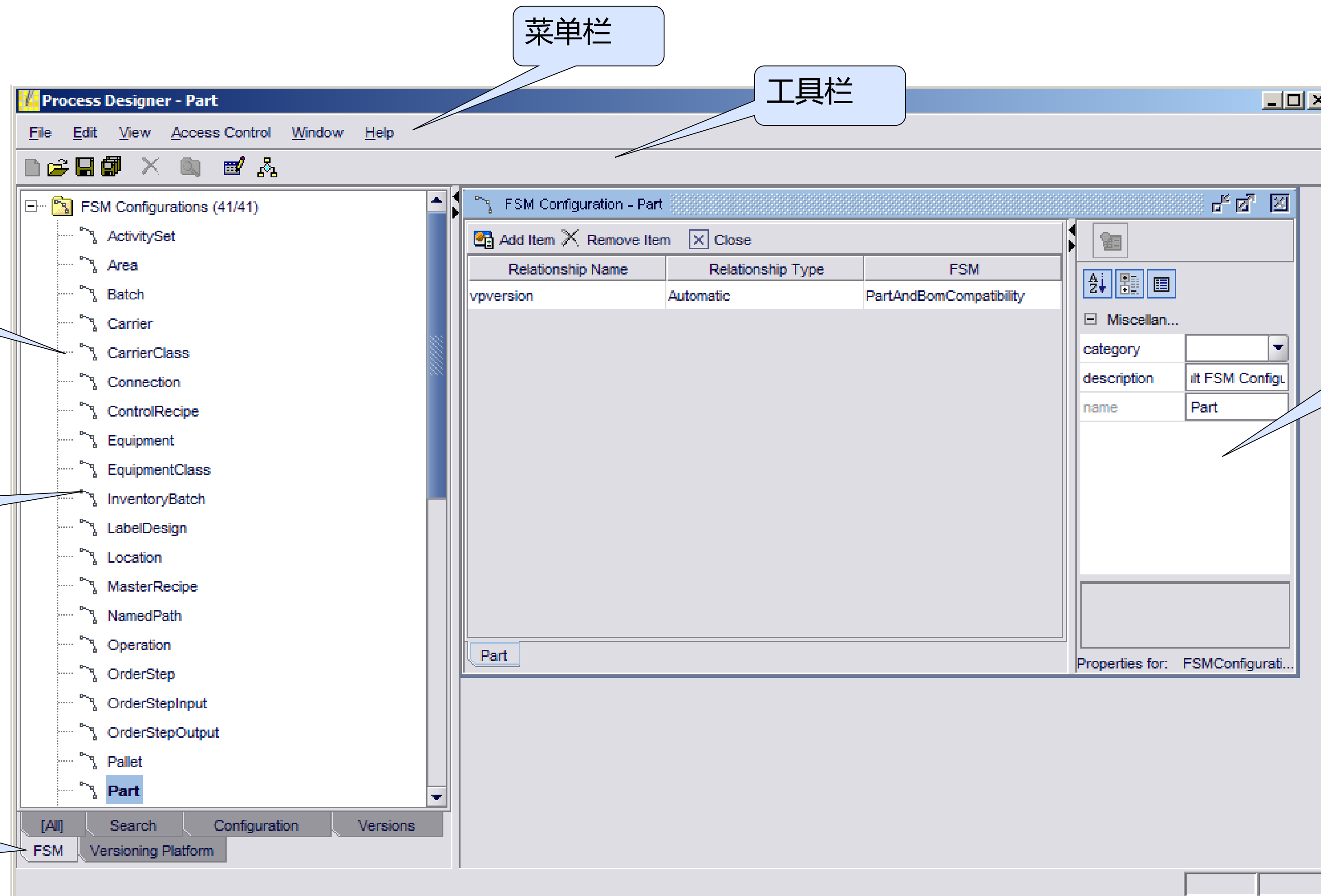
```
17 opaque      true
18 preferredSize (30, 30)
19 rolloverColor (224, 224, 224)
20 roundBorderColor(0, 0, 0)
21 roundBorderSize0
22 style        1
23 tabIndex     6
24 tabStop      true
25 text         <null>
26 textAlign    18
27 textId
28 tooltipId    UI_JEI_ADDROUTE_TOOLTIP
29 tooltipText  <null>
30 visible      false
```

OK

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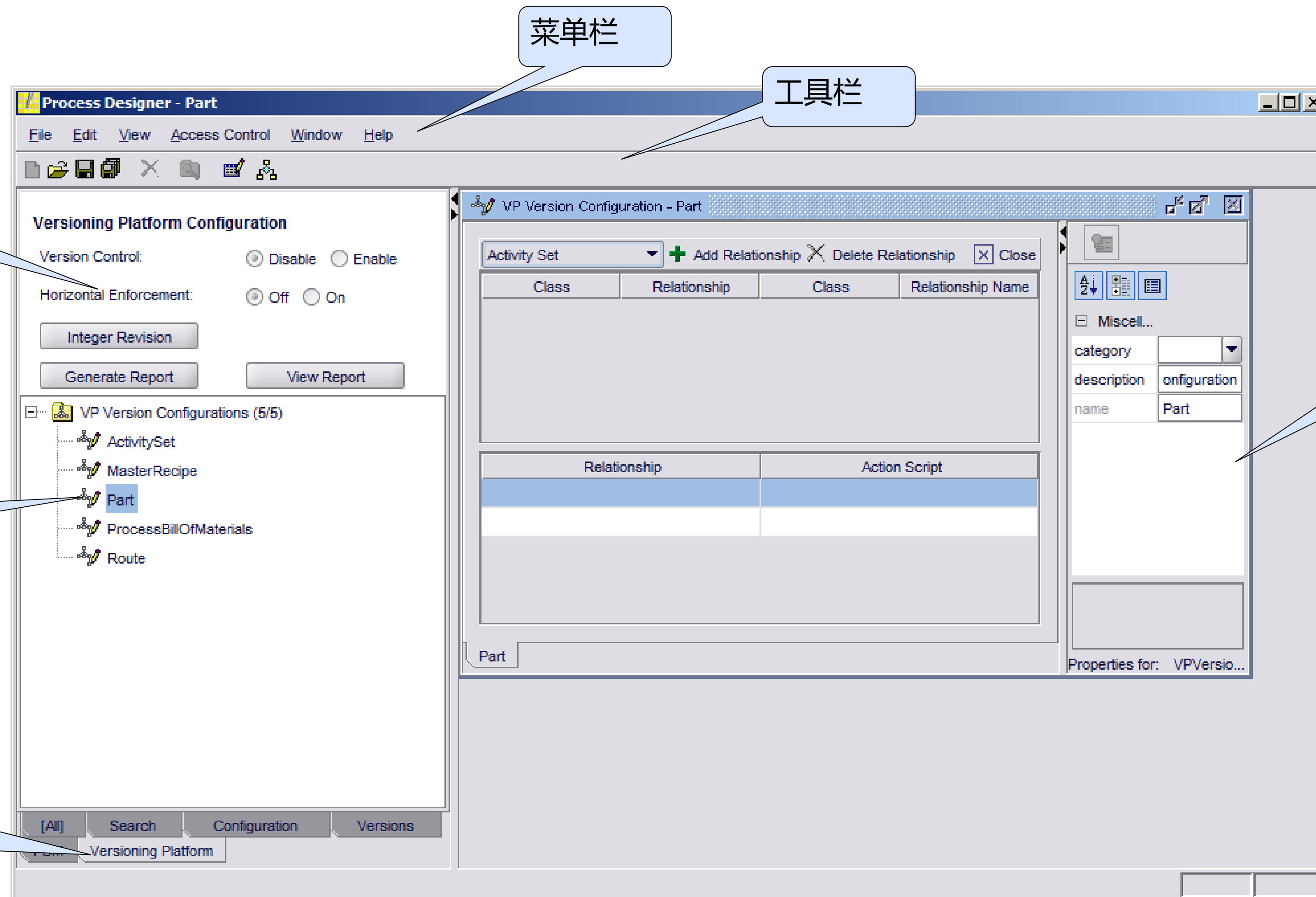
■ “FSM”标签页



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■ “Versioning Platform”标签页



菜单栏

工具栏

版本平台配置

对象项目

“Versioning Platform”
标签页

版本平台编辑器

Process Designer界面

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- Process Designer 演示

Process Designer介绍

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