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FactoryTalk ProductionCentre培训

基础介绍 – User Access

ISPB (信息软件部门)

2016年9月18日



PUBLIC INFORMATION

 Allen-Bradley • Rockwell Software

**Rockwell
Automation**

- **课程名字：**

FTPC基本培训 – User Access

- **课程描述：**

本课程介绍FactoryTalk ProductionCentre的用户权限配置

- **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

- 了解用户权限控制、配置



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



User Access介绍

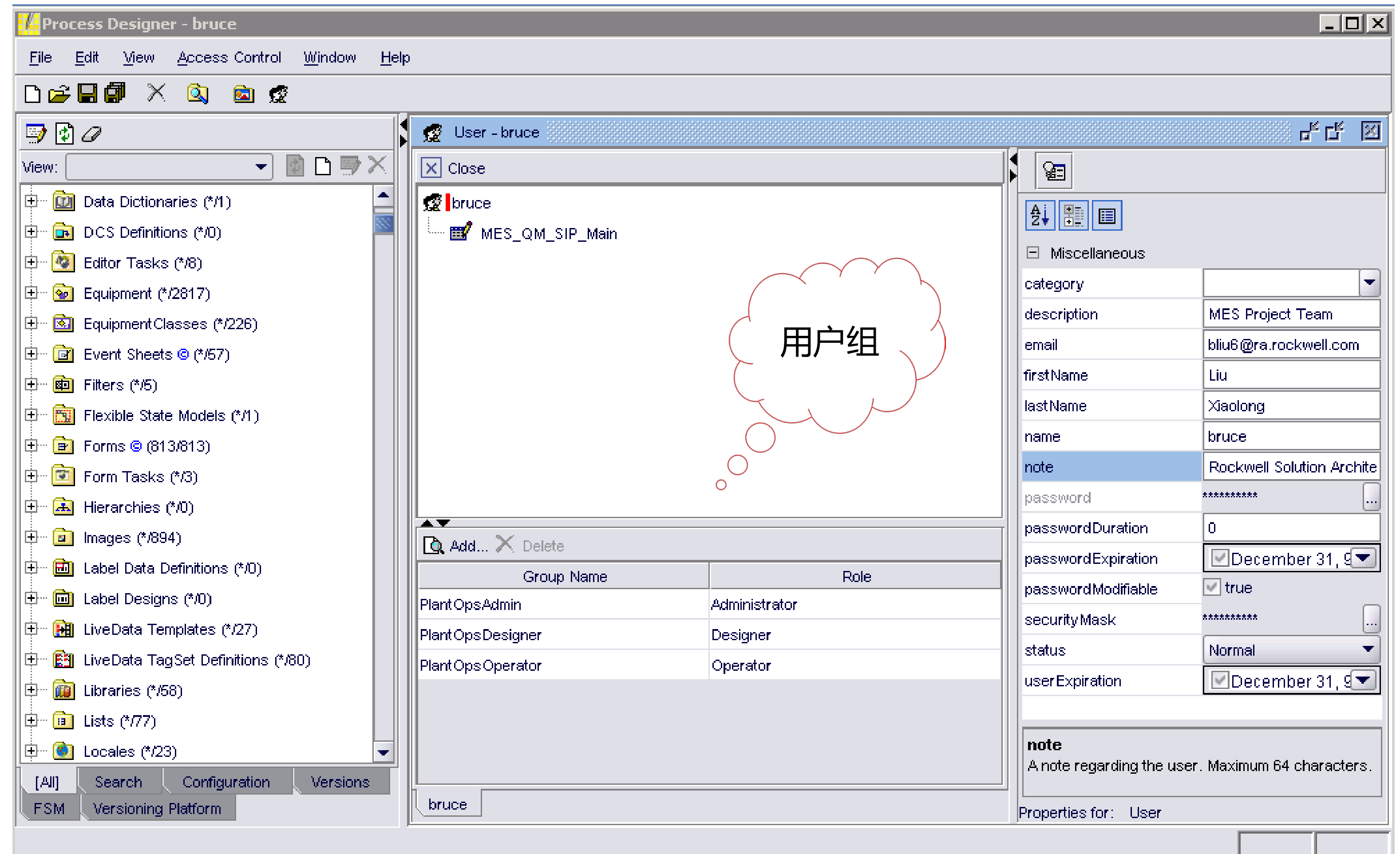
User Access配置

QA

User Access介绍

■ User 用户对象

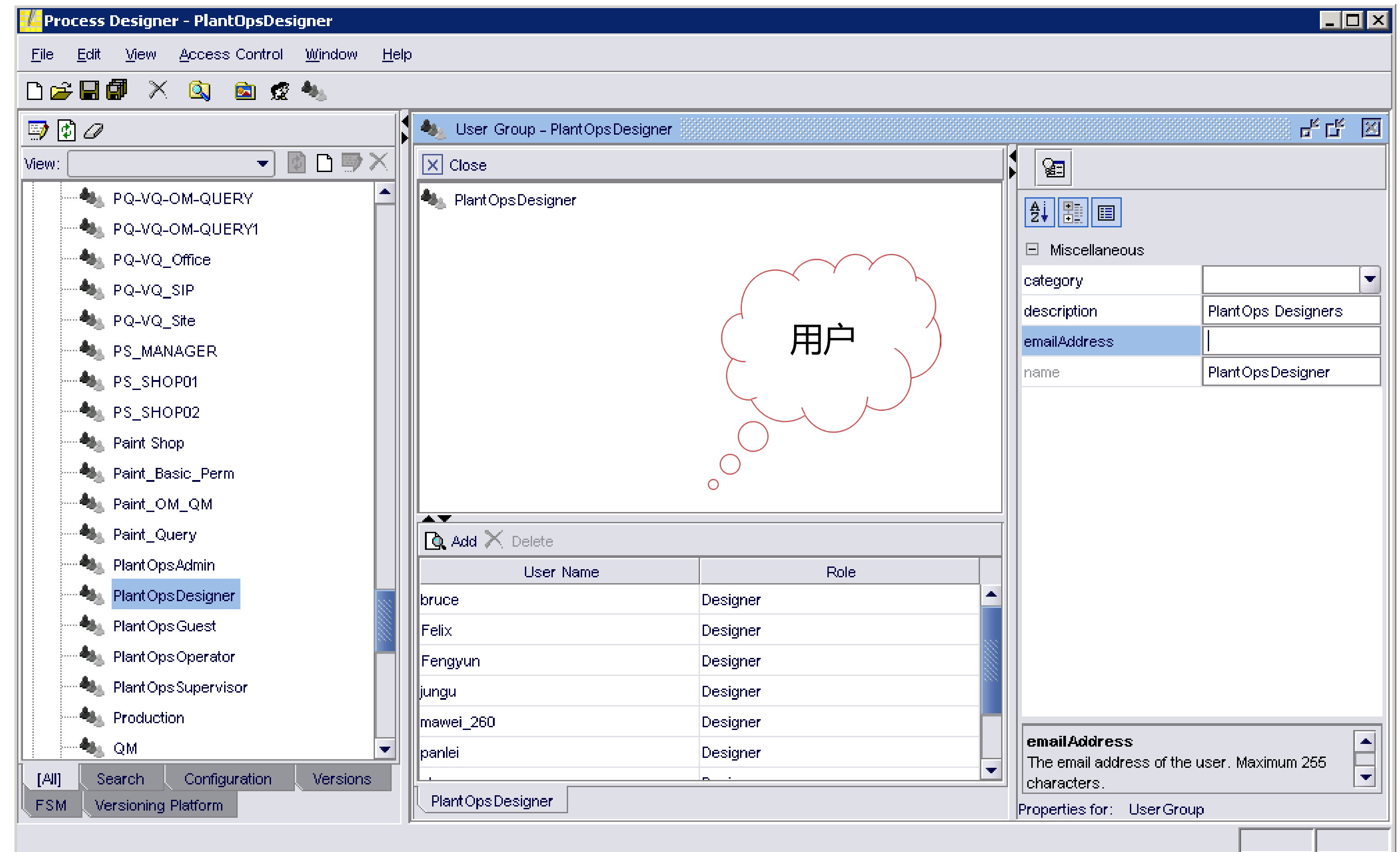
- 设置用户名、描述信息
- 设定用户密码
- 设定密码有效期
- 设定用户账号状态
- 设定用户账号失效日期
- 关联用户默认页面
- 关联用户默认班次
- 关联用户组



User Access介绍

■ User Group 用户组对象

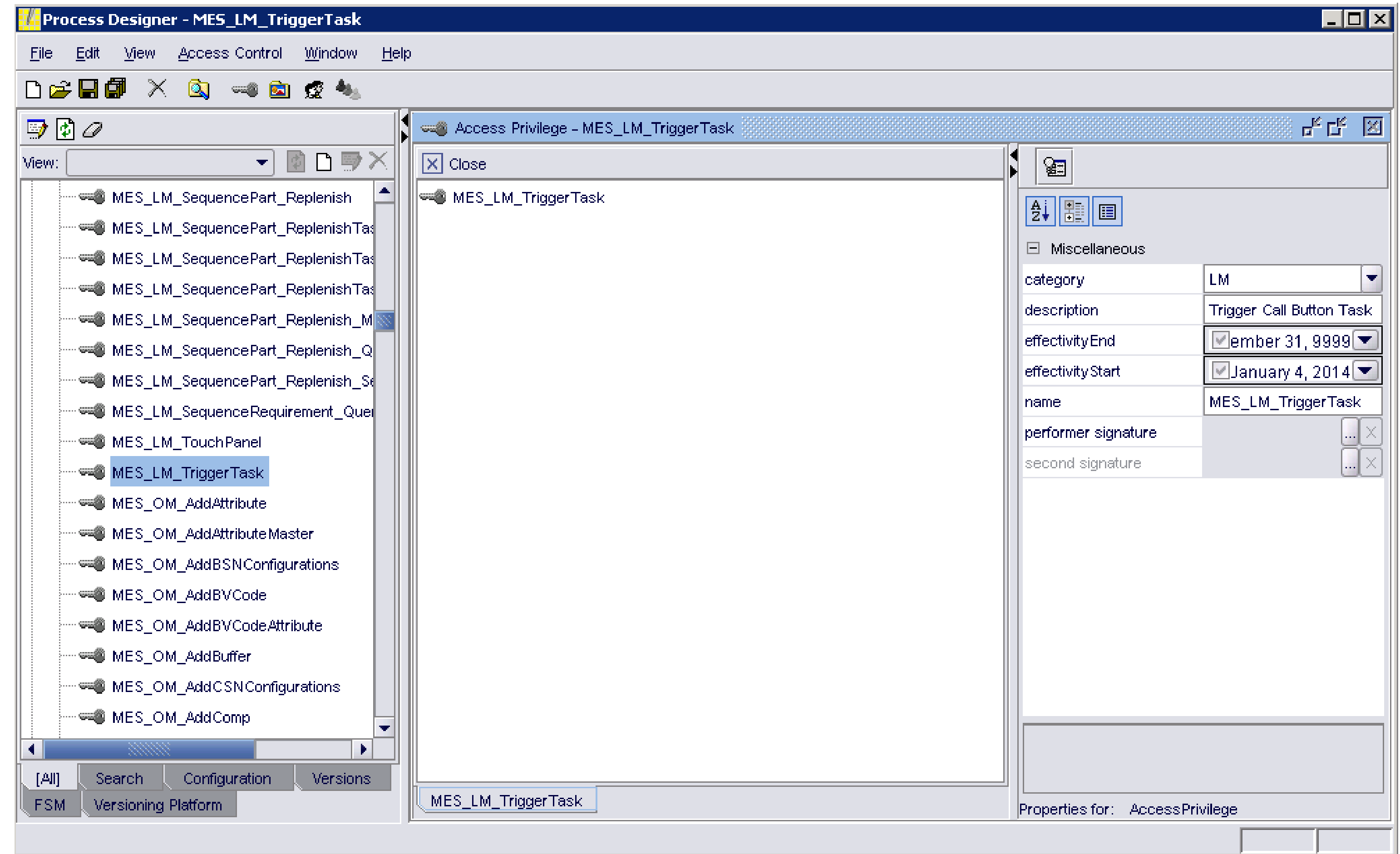
- ❑ 设置用户组名、描述信息
- ❑ 关联用户
- ❑ 关联班次
- ❑ 5个默认用户组
 - PlantOpsAdmin
 - PlantOpsDesigner
 - PlantOpsSupervisor
 - PlantOpsOperator
 - PlantOpsGuest



User Access介绍

- Access Privilege 访问权限

- ❑ 设定Performers用户组
- ❑ 设定Second Signers (Option)用户组
- ❑ 兼容JAAS (Java验证与授权API)
 - GuestPrivilege
 - OperatorPrivilege
 - SupervisorPrivilege
 - DesignerPrivilege
 - AdminPrivilege
 - PlantOpsNotRequiredPrivilege



- Access Privilege **访问权限（续）**

- ❑ FSMConfigurationDesigner: 允许用户保存FSM变更。是建立Java类和FSM关联关系必须的权限
- ❑ OpenCloseForm: 允许用户在Shop Operations中打开或关闭页面
- ❑ PDCreate: 允许用户在Process Designer中创建或保存对象.
- ❑ PDDelete: 允许用户在Process Designer中删除对象.
- ❑ PDUDADesigner: 允许用户在Process Designer中更改UDADefinition对象
- ❑ PDUpdate: 允许用户在Process Designer中更改或保存对象
- ❑ ProcessDesigner: 允许用户登录Process Designer
- ❑ ProcessModeler: 允许用户登录Process Designer 但是访问不了forms, subroutines, 或event sheets对象
- ❑ RuntimeOptions: 允许用户在Shop Operations修改站点、区域，或禁用自动超时和时间脚本
- ❑ ShopOperations:允许用户执行操作员事务
- ❑ UserAuthentication:允许用户在登录Shop Operations Server 调用中间件方法来验证用户身份
- ❑ VersioningPlatformDesigner: 允许用户启用、配置或禁用版本平台特性

User Access介绍



▪ Access Privilege 访问权限（续）

Access Privileges	User Group				
	PlantOpsAdmin	PlantOpsDesigner	PlantOpsSupervisor	PlantOpsOperator	PlantOpsGuest
FSMConfigurationDesigner	x	x			
OpenCloseForm	x	x	x		
PDCreate	x	x			
PDDelete	x	x			
PDUDADesigner	x	x			
PDUpdate	x	x			
ProcessDesigner	x	x			
ProcessModeler	x	x			
RuntimeOptions	x	x	x		
ShopOperations	x	x	x	x	
UserAuthentication	x	x	x	x	x
VersioningPlatformDesigner	x	x			
Backward Support Access Privileges					
GuestPrivilege	x	x	x	x	x
OperatorPrivilege	x	x	x	x	
SupervisorPrivilege	x	x	x		
DesignerPrivilege	x	x			
AdminPrivilege	x				
PlantOpsNotRequiredPrivilege - The system will not perform authorization for this privilege. Use it on a method that does not require any authorization.					

User Access介绍

User Access配置

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User Access配置

创建用户

The screenshot shows the 'Process Designer - Trainee' application window. The left sidebar contains a tree view with categories like 'Semantic Property Sets', 'Shifts', 'Sites', 'Stations', 'Storage Units', 'StorageUnitClasses', 'Storage Zones', 'Subroutines', 'Task Groups', 'Test Definitions', 'Template Recipes', 'Users (398/398)', and 'User Groups (57/57)'. The 'User Groups' folder is expanded, showing sub-groups like 'AME', 'Assembly Shop', 'Assembly01', 'Assembly02', and 'Assembly03'. The central workspace displays a 'User - Trainee' configuration window. Below the workspace is a table with columns 'Group Name' and 'Role'. The table contains one entry: 'PlantOpsOperator' with the role 'Operator'. The right-hand properties panel shows fields for 'Miscellaneous' properties: 'category', 'description', 'email', 'firstName', 'lastName', 'name' (set to 'Trainee'), 'note', 'password' (masked with asterisks), 'passwordDuration' (set to 0), 'passwordExpiration' (set to 'December 3'), 'passwordModifiable' (set to 'false'), 'securityMask' (masked with asterisks), 'status' (set to 'Normal'), and 'userExpiration' (set to 'December 3').

添加或删除当前用户到某个用户组

当前用户所在的用户组

用户账号，比如员工号

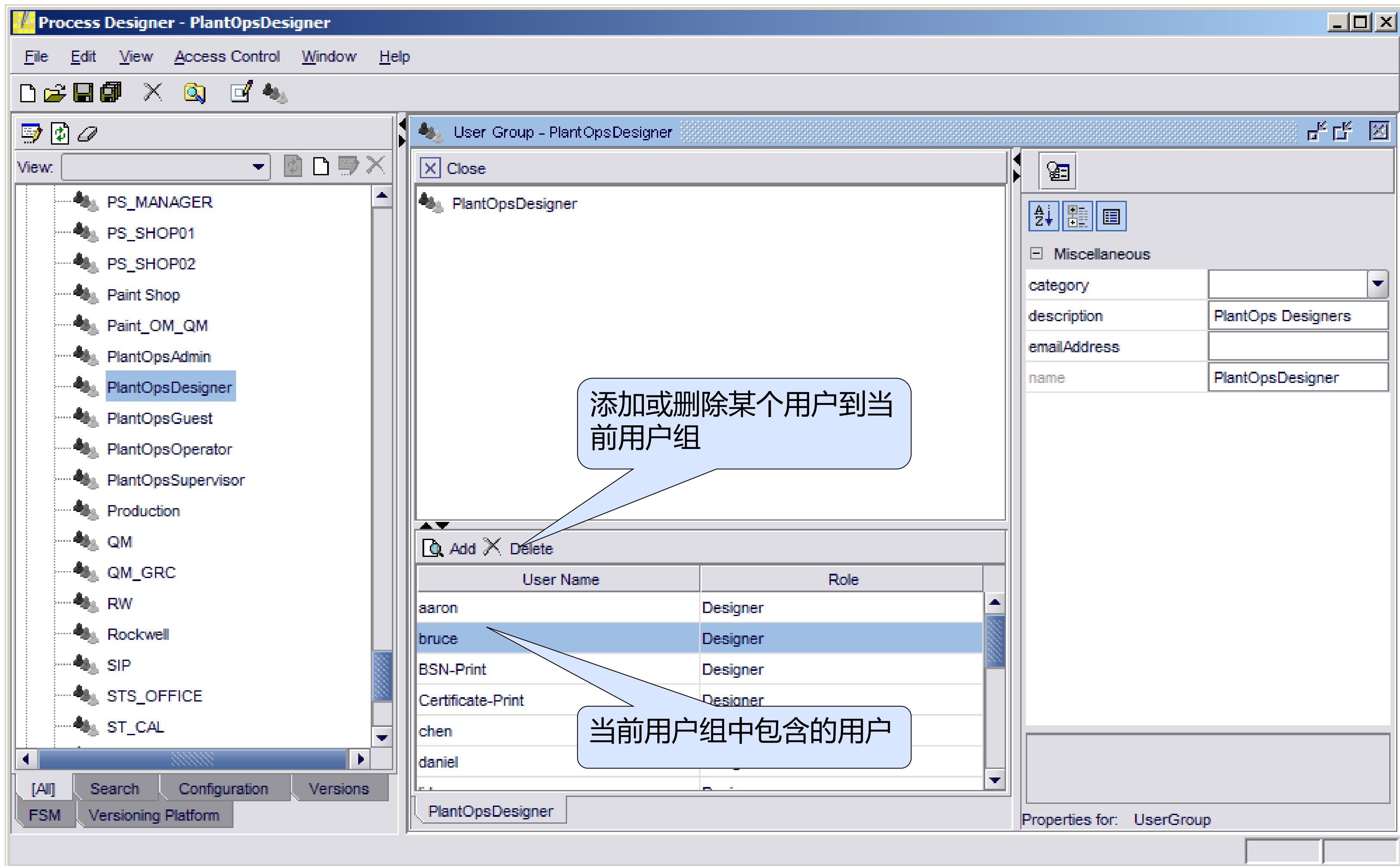
设置密码

密码失效日期

账号失效日期

User Access配置

- 创建用户组



User Access配置

创建用户组

The screenshot displays the 'Process Designer - ProcessDesigner' application window. On the left, a tree view shows 'Access Privileges (101/464)' with 'ProcessDesigner' selected. The main pane shows 'Access Privilege - ProcessDesigner' with a 'ProcessDesigner' key icon. The right pane shows properties for 'AccessPrivilege', including 'category', 'description', 'effectivityEnd', 'effectivityStart', 'name', 'performer signature', and 'second signature'. The 'performer signature' and 'second signature' fields have buttons with 'X' icons. A callout points to the 'performer signature' button with the text '启用执行者电子签名' (Enable executor electronic signature). Another callout points to the 'second signature' button with the text '启用验证者者电子签名' (Enable verifier electronic signature). A third callout points to the 'ProcessDesigner' key icon with the text '添加或删除某个用户到当前用户组' (Add or delete a user to the current user group). A fourth callout points to the 'Performers' field in the 'Customizer Dialog' window with the text '设置关联的用户组' (Set associated user group). The 'Customizer Dialog' window shows 'Performers' as '[PlantOpsAdmin, PlantOpsDesigner]' and 'Second Signers' as an empty list. The 'Customizer Dialog' has tabs for 'References', 'UDAs', and 'Parameters', and an 'OK' button.

添加或删除某个用户到当前用户组

设置关联的用户组

启用执行者电子签名

启用验证者者电子签名

- **用户权限判断**

User.hasPrivilege(AccessPrivilege accessPrivilege)

- **事务操作中指定权限控制：**

Part.changeVersioningState(Time trxTime, java.lang.String stateName, java.lang.String comment, AccessPrivilege accessPrivilege)

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