

Compiere with JasperReports 0.6.5

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1 Compiere installation

Use my package found at <http://sourceforge.net/projects/compierejaper/> (source or binaries as you want) and install Compiere normally (consult the Compiere documentation at <http://www.compiere.org>)

2 Compiere preparation

You need to add a field for storing the filename of your report.

After you can specified a different report for each process you create

Start compiere as with the Java Web Start method (http://compiere_server:port/compiere.jnlp)

Remark : You might need a JDK version not a JRE one I did not test with a JRE but I'm quite sure that the Report compilation need the JDK

2.1 Login

Log in as SuperUser with the System Administrator Role

Compiere Login

Connection Defaults ?

Compiere
Smart ERP & CRM

Release 2.5.2b
2005-02-26

Host

User ID

Password

Language

© 1999-2005 Compiere ®

Not Connected

Compiere Login

Connection Defaults ?

Role

Client

Organization

Warehouse

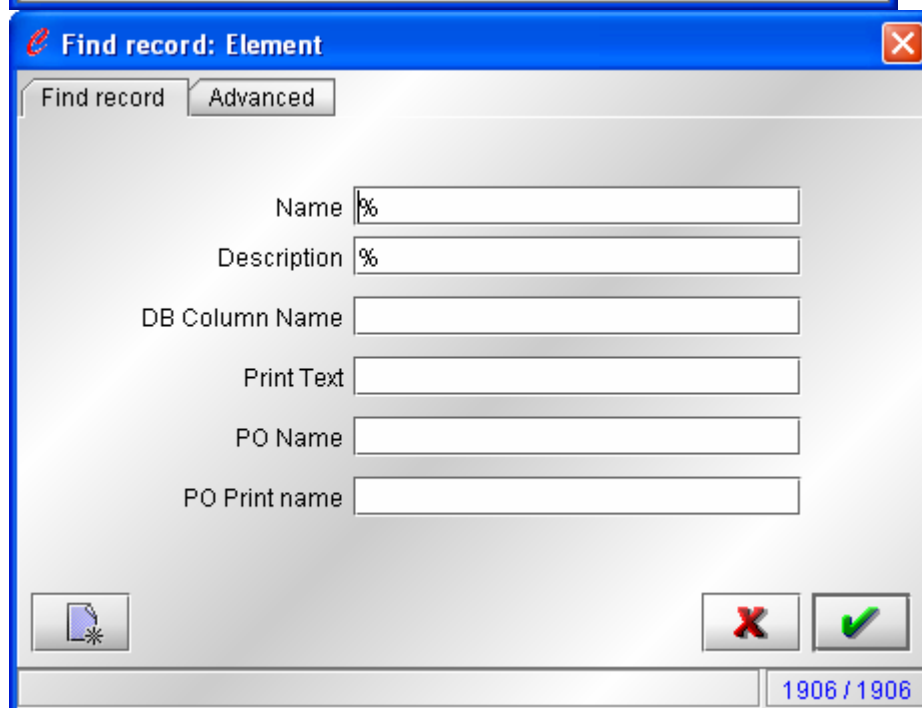
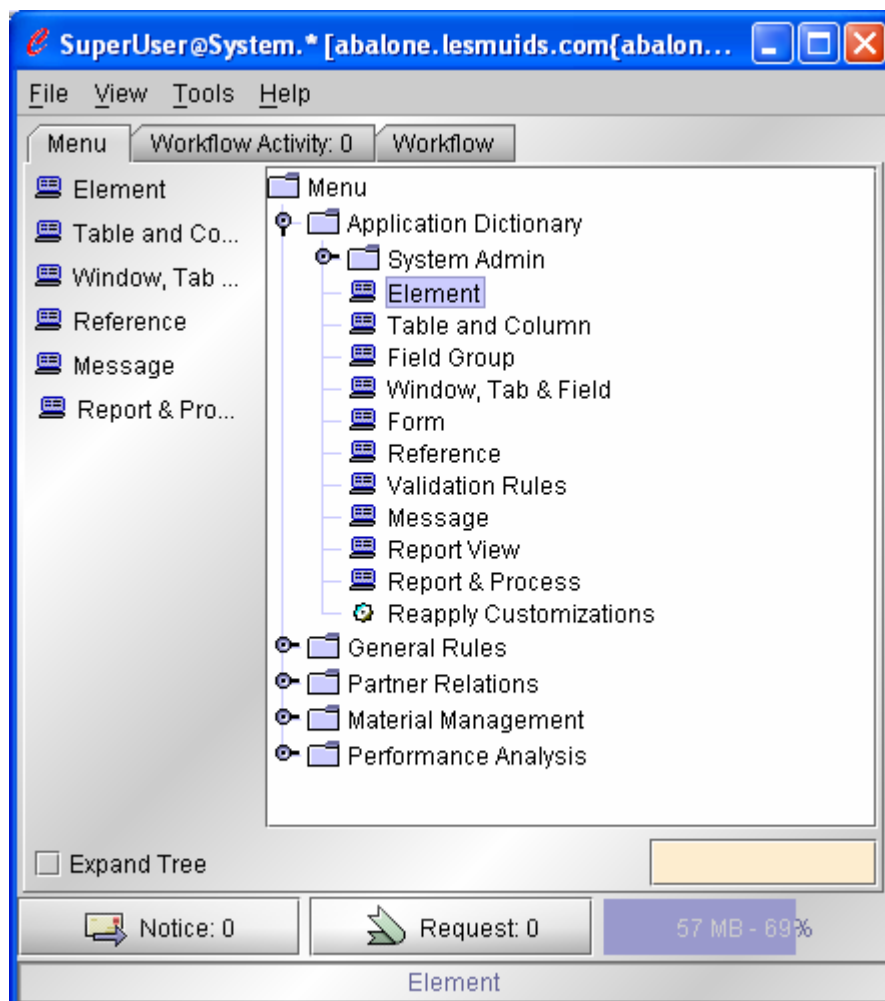
Date

Printer

Authorized

2.2 Create a new system element

Select Application Directory/Element



Click the « New element » icon
And fill

Element SuperUser@System, * [abalone.lesmuids.com{abalone-abalone.lesmuids.com-compiere}]

File Edit View Go Tools Help

Client System Organization *

DB Column Name JasperReport

Name JasperReport

Print Text JasperReport Filename

Description JasperReport Filename (must have .jrxml or .jasper extension depending if the file is compiled or not)

Comment/Help Create your report with a text editor , iReport or any JasperReports 0.6.5 compliant editor

☒ Active

Entity Type User maintained

PO Name

PO Print name

PO Description

PO Help

Navigate or Update record [+*/1]

Save ...

2.3 Database column creation

Now go to Application Directory/Tables and columns

Find record: Table

Find record Advanced

Name Process

Description %

DB Table Name

507 / 507

Select AD_Process

Table and Column SuperUser@System. * [abalone.lesmuids.com{abalone-abalone.lesmuids.com-compiere}]

File Edit View Go Tools Help

Table Column

Client	Organization	DB Table Name	Name	Description	Comment/Help	Active	View	Data /
System	*	AD_PInstance	Process Instance	Instance of the process		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Syster
System	*	AD_Process	Process	Process or Report		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Syster
System	*	AD_Process_Para	Process Parameter			<input checked="" type="checkbox"/>	<input type="checkbox"/>	Syster
System	*	AD_Process_Para_Trl	Process Parameter Trl			<input checked="" type="checkbox"/>	<input type="checkbox"/>	Syster
System	*	AD_Process_Trl	Process Trl	Process or Report		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Syster

Navigate or Update record [2/5]

Afetr clicking select the columns tab

Table and Column SuperUser@System.* [abalone.lesmuids.com{abalone-abalone.lesmuids.com-compiere}]

File Edit View Go Tools Help

Table

Client System Organization *

Column

Table Process_AD_Process

DB Column Name JasperReport

System Element JasperReport

Name JasperReport

Description In this column you store the JasperReport filename

Comment/Help be carreful use only .jxml or .jasper filename

☒ Active Version 0.00

Length 200

Reference String

Value Format

Default Logic

☐ Key column ☐ Parent link column

☐ Mandatory ☒ Updateable

☐ Encrypted ☐ Always Updateable

Read Only Logic

☐ Identifier

Callout

☐ Selection Column

☐ Translated

Entity Type User maintained

Synchronize Column

Inserted +*26/26

Now save and click Synchronize Column

Table and Column SuperUser@System.* [abalone.lesmuids.com{abalone-a...}]

File

Do you want to start the Process?

Change database table definition from application dictionary

When selected, the database column definition is updated based on your entries in the Column definition of the Application Dictionary. Note that not all changes are supported by the database and may result in an error.

☒ OK ☐ Cancel

Click OK

And remark that now you have a information ... ALTER TABLE...

Table and Column SuperUser@System.* [abalone.lesmuids.com{abalone-abalone.lesmuids.com-compiere}]

File Edit View Go Tools Help

Table

Client System Organization

Column

Table Process_AD_Process

DB Column Name JasperReport

System Element JasperReport

Name JasperReport

Description In this column you store the JasperReport filename

Comment/Help be careful use only .jspxml or .jasper filename

☒ Active Version 0.00

Length 200

Reference Text

Default Logic

☐ Key column ☐ Parent link column

☐ Mandatory ☒ Updateable

☐ Encrypted ☐ Always Updateable

Read Only Logic

☐ Identifier

Callout

☐ Selection Column

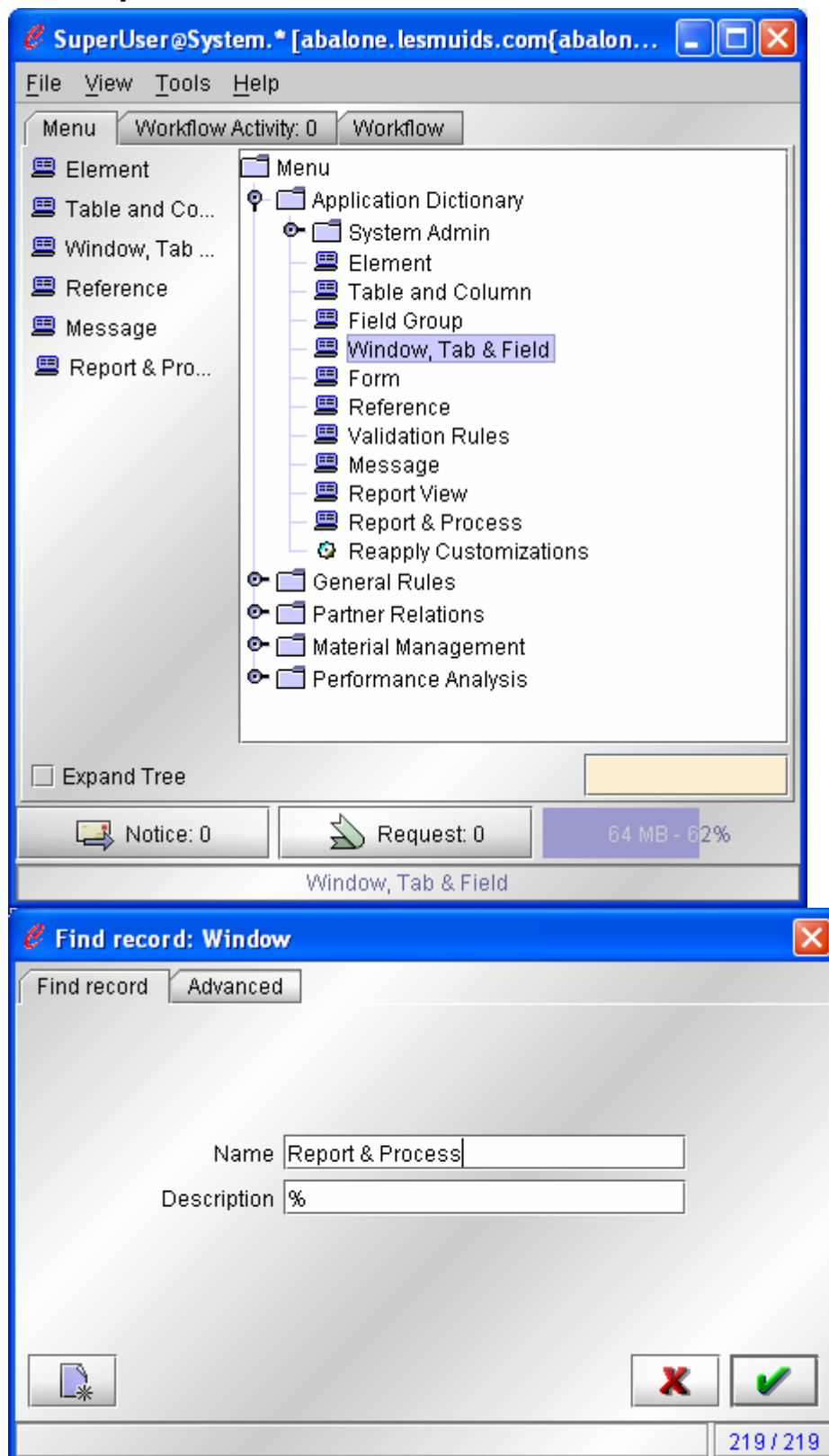
☐ Translated

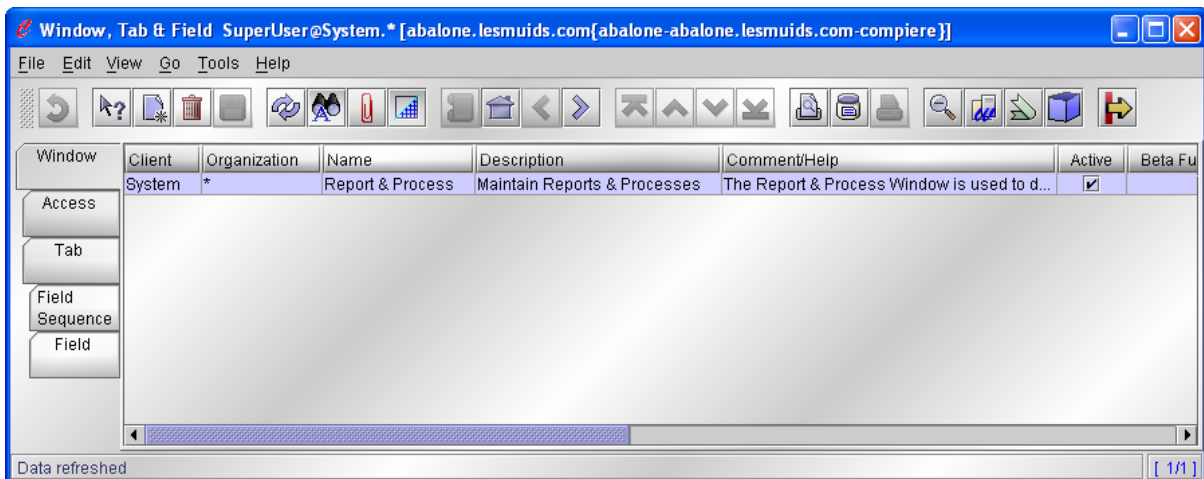
Entity Type User maintained Synchronize Column

Process completed successfully (Updated - ALTER TABLE AD_Process MODIFY JasperReport NVARCHAR2(200)) 26/26

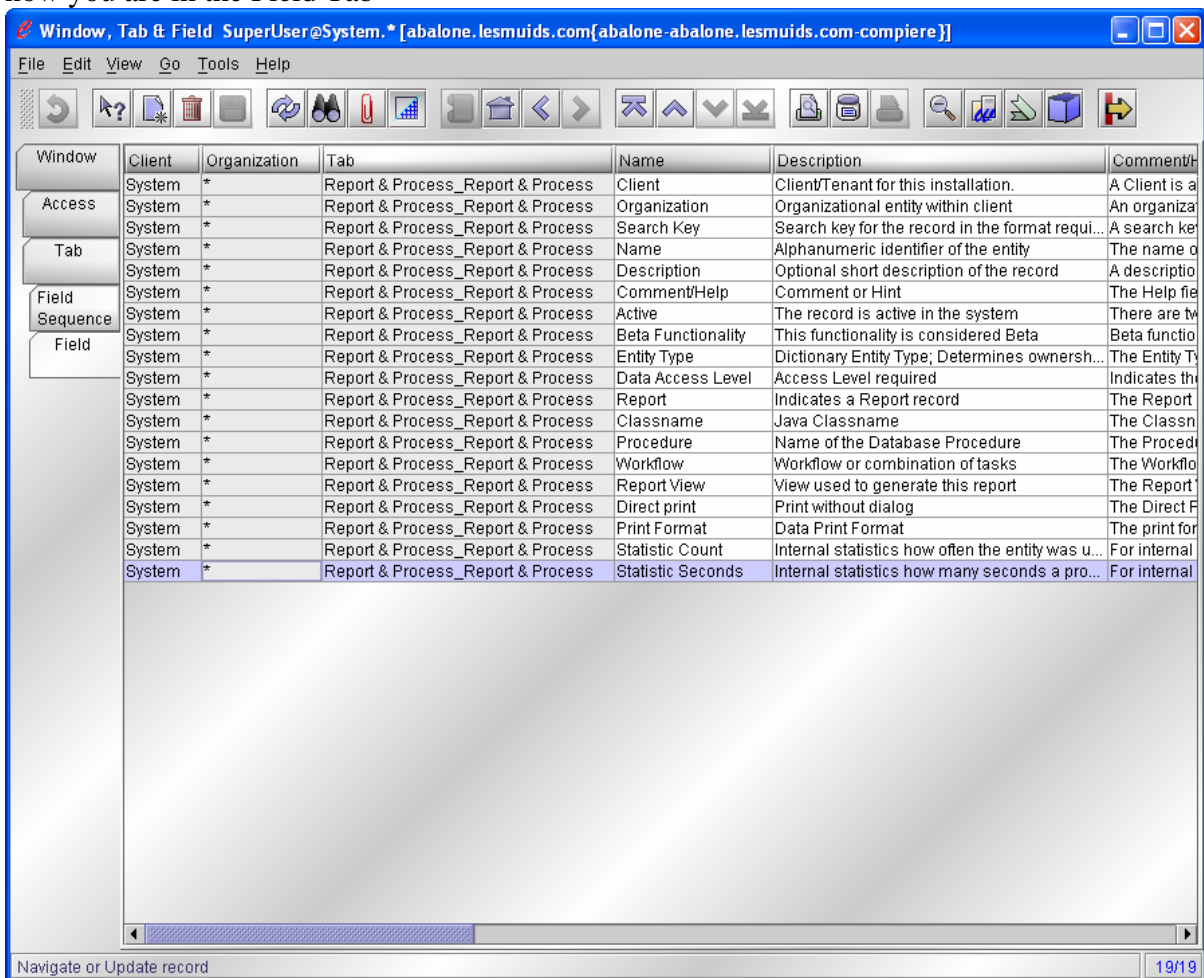
So it is OK !

2.4 Report & Process window modification





It is important to click each tab... Perhaps a bug in the current Compierre Version
now you are in the Field Tab



Click « New Record » and toggle the view
And fill...

Window, Tab & Field SuperUser@System.* [abalone.lesmuids.com{abalone-abalone.lesmuids.com-compiere}]

File Edit View Go Tools Help

Window Access Tab Field Sequence Field

Client: System Organization: *

Tab: Report & Process_Report & Process

Name: Jasper Report

Description: Jasper report Filename

Comment/Help: This is the JasperReport filename saved with .jrxml for non compiled reports and .jasper for compiled one

☒ Active

Column: JasperReport_JasperReport Entity Type: User maintained

Field Group:

☒ Centrally maintained ☐ Read Only

☒ Displayed

Display Logic:

Display Length: 0

Sequence: 200

Record Sort No: 0.0

☐ Encrypted ☐ Same Line

☐ Heading only ☐ Field Only

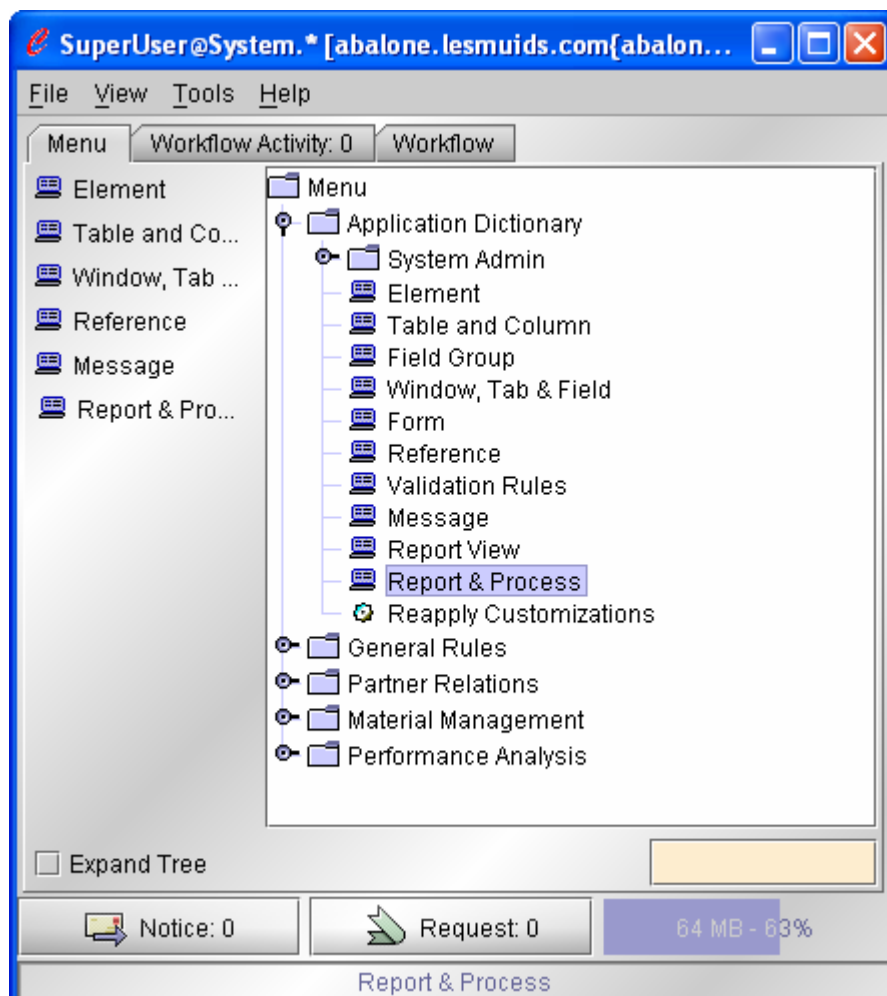
Obscure:

Inserted +*20/20

3 Process creation

3.1 Simple standalone process creation

In this sample we will create a process called Standalone accessible directly in the main menu
 You are logged in as System Administrator role...
 Go to



Select the « new record » icon and fill

Report & Process SuperUser@System.* [abalone.lesmuids.com[abalone-abalone.lesmuids.com-compiere]]

File Edit View Go Tools Help

Report & Process
Report
Access
Parameter

Client System Organization +

Search Key Standalone

Name Standalone

Description Stand alone JasperReport for sample only

Comment/Help

☒ Active ☐ Beta Functionality

Entity Type User maintained

Data Access Level Client+Organization

☐ Report

Classname org.compiere.report.ReportStarter

Procedure

Workflow

Statistics

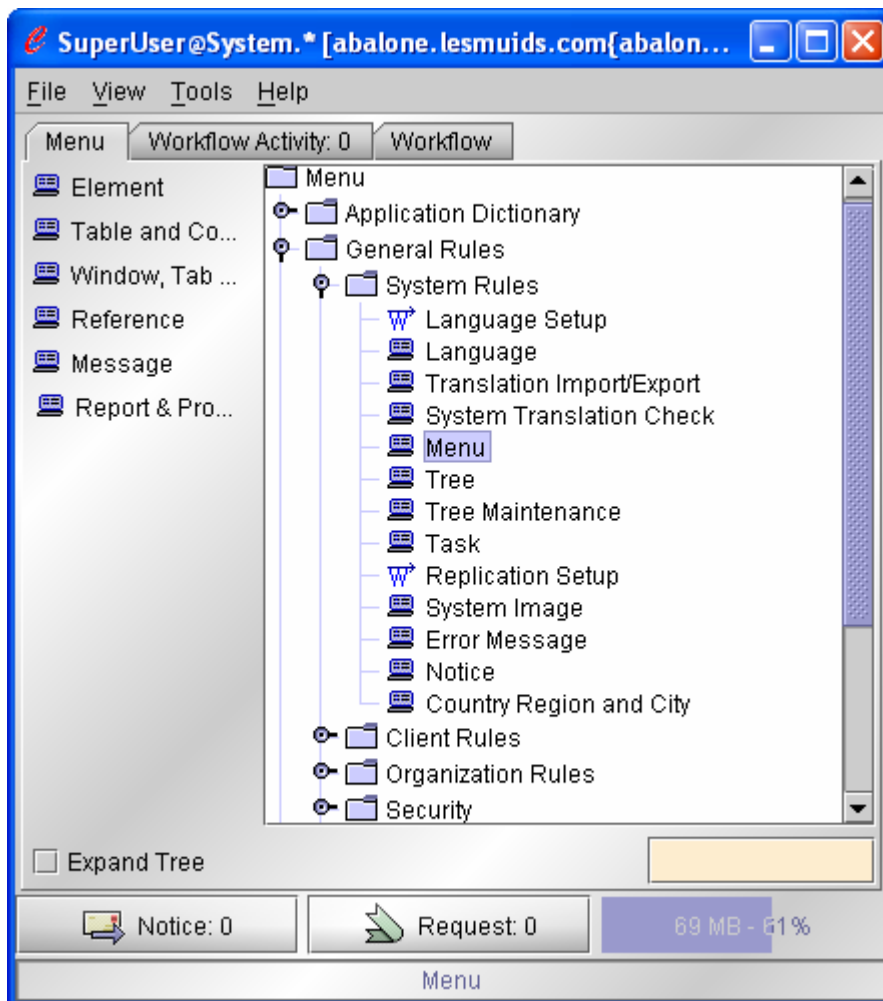
Statistic Count 0 Statistic Seconds 0

Jasper Report standalone.jrxml

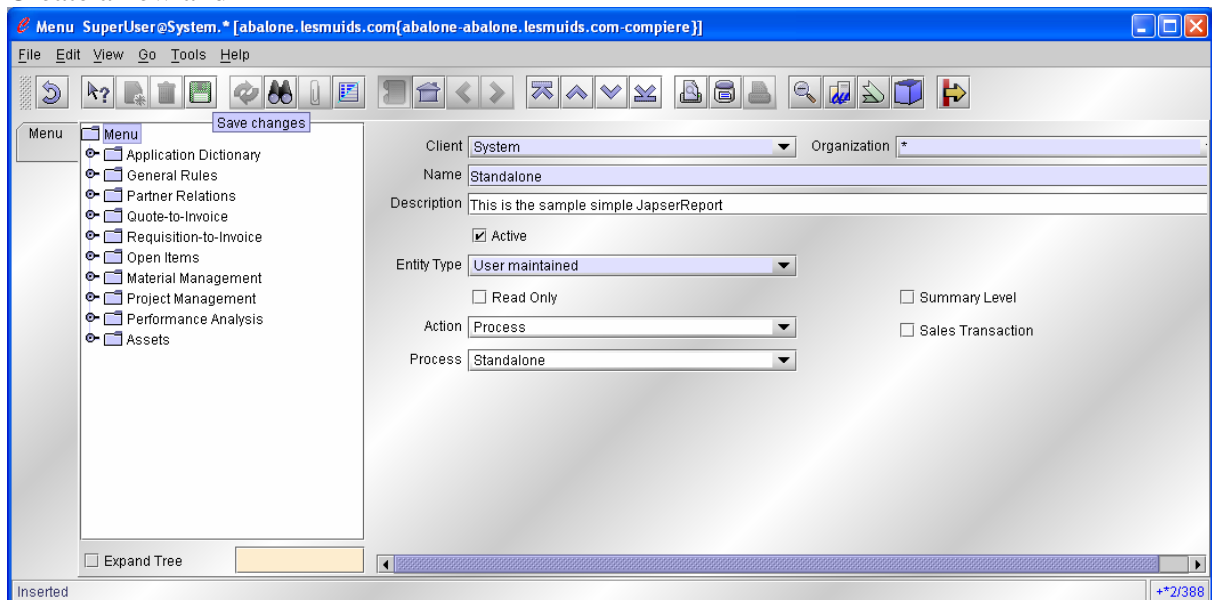
Record saved [1/1]

3.1.1 Menu creation

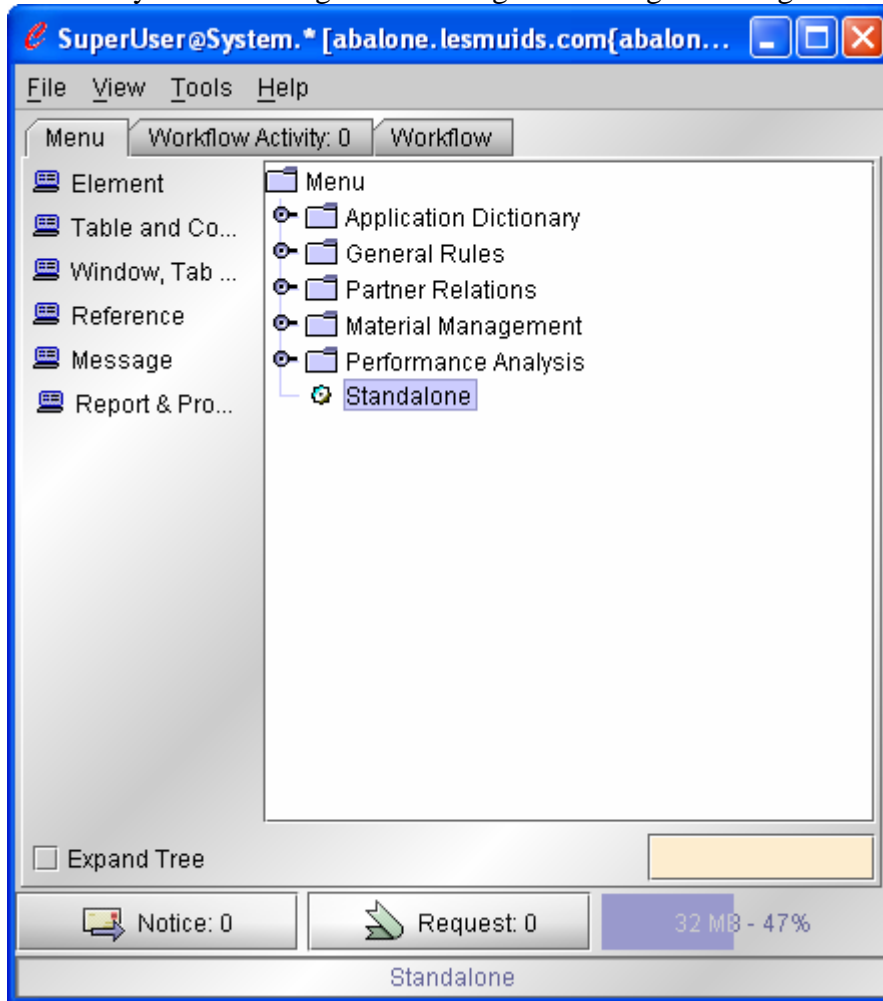
Go to



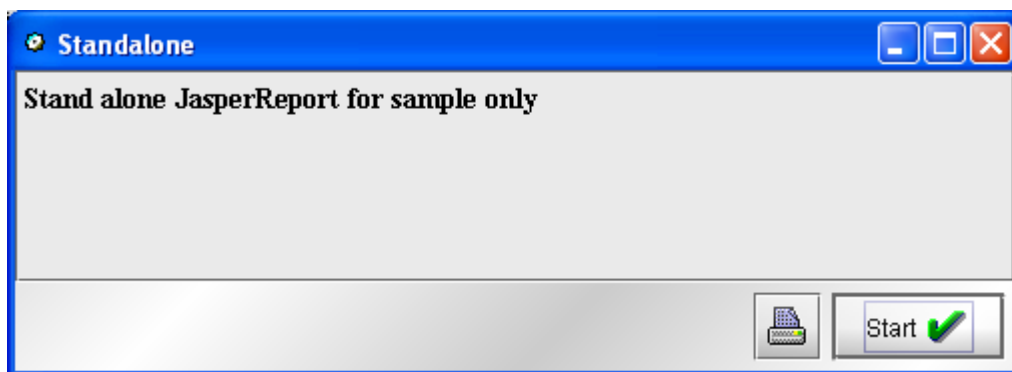
Create a new and fill



Remark : you have to logout and re log in for seeing the change

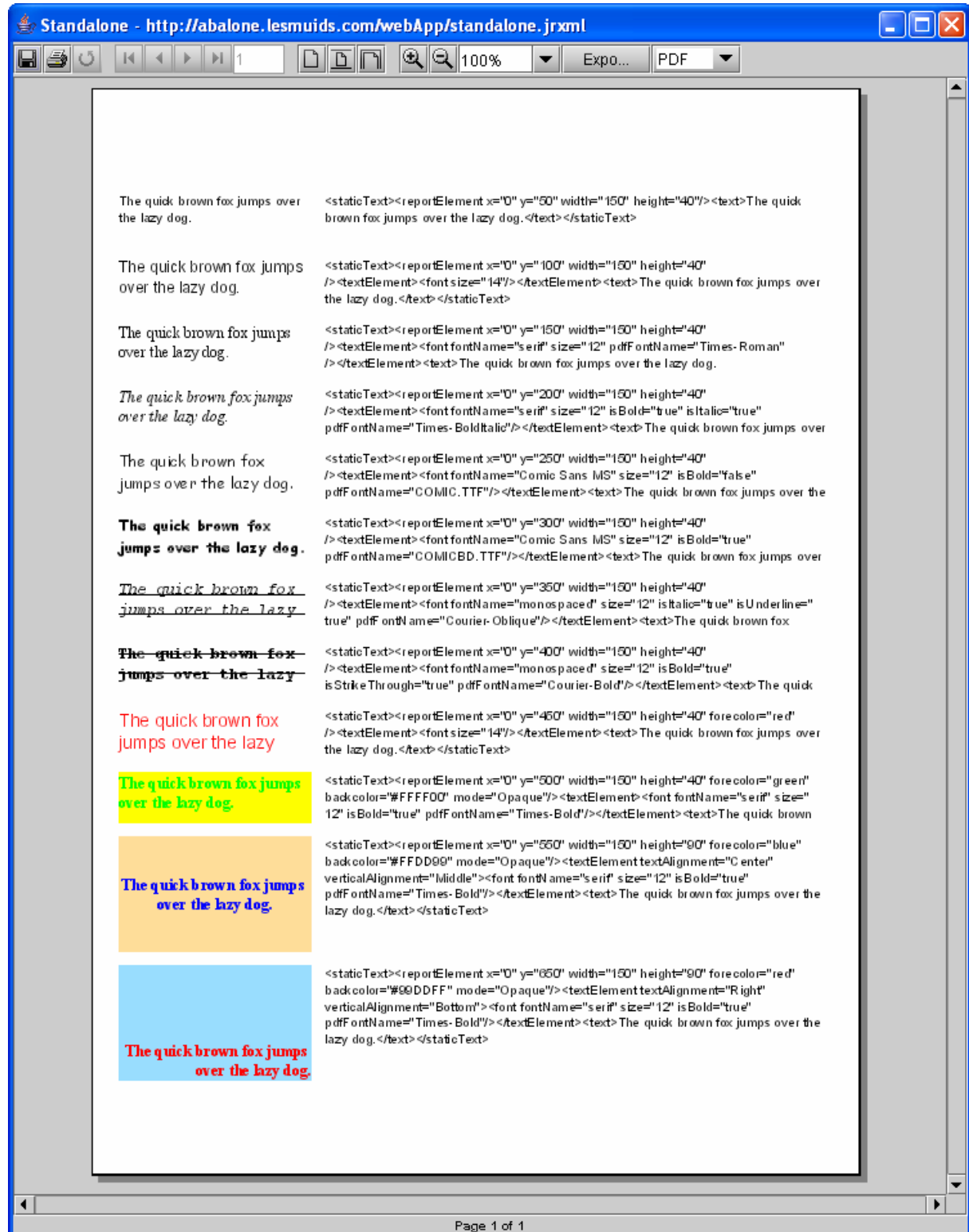


The file go in \$COMPIERE_HOME/reports be careful with some Java Web Start installations because if the COMPIERE_HOME is not set you might get something like c:\Document And Settings\user\Desktop\null as COMPIERE_HOME
It is not a problem for testing this you just have to start the process without putting the report



you hear a sound marking an error
Just close the window and go to the Tools/preference Menu
Select the Errors Tab and you can see exactly where Compier is looking for your Report and
this is what I get with the standalone.jrxml report deployed on the server you can find in

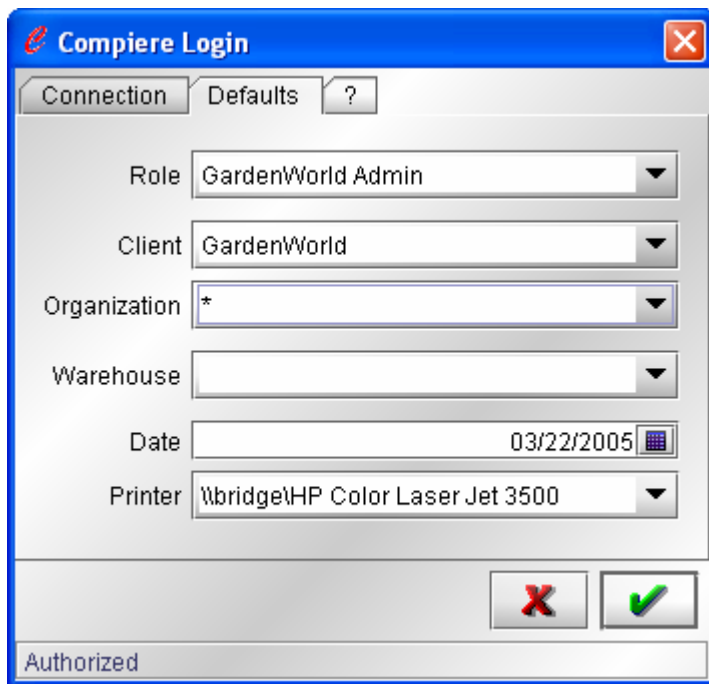
annexe.



• • • •

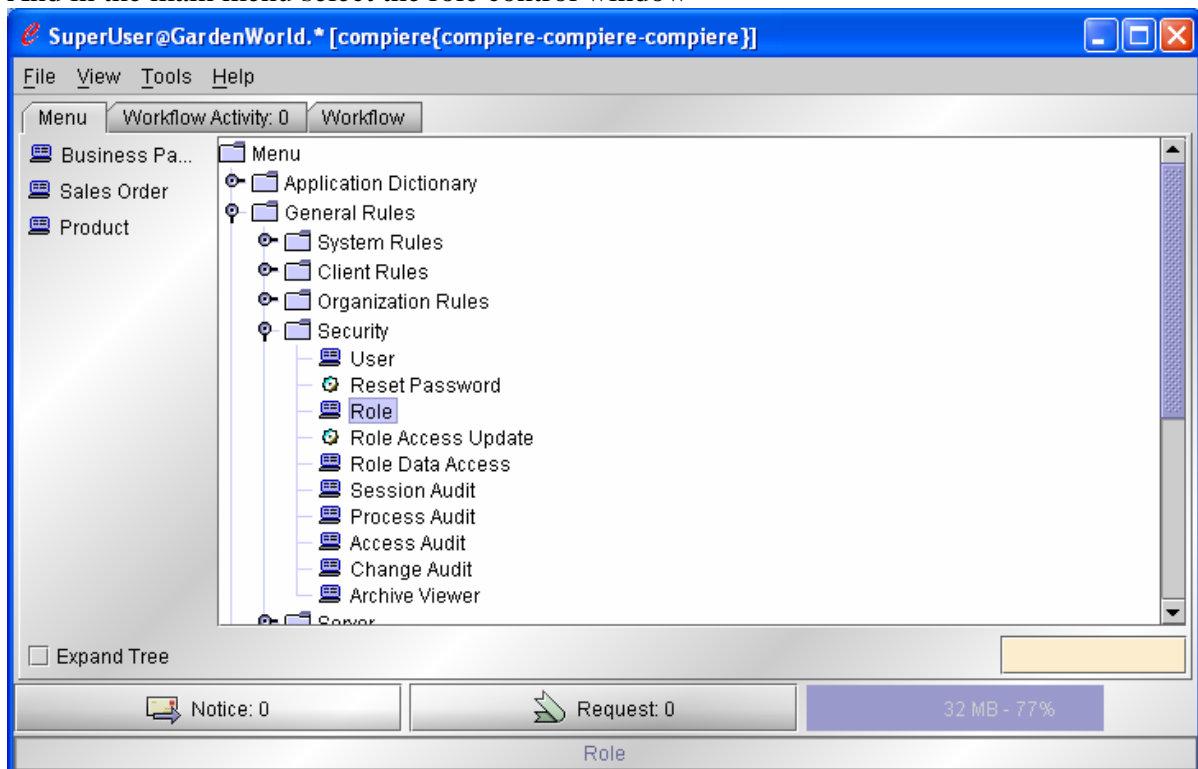
3.1.2 Security access to new menus

In order to get access to your new « Standalone » report from your your target Client Role, you need to allow access to processus
Login as your client Admin Role

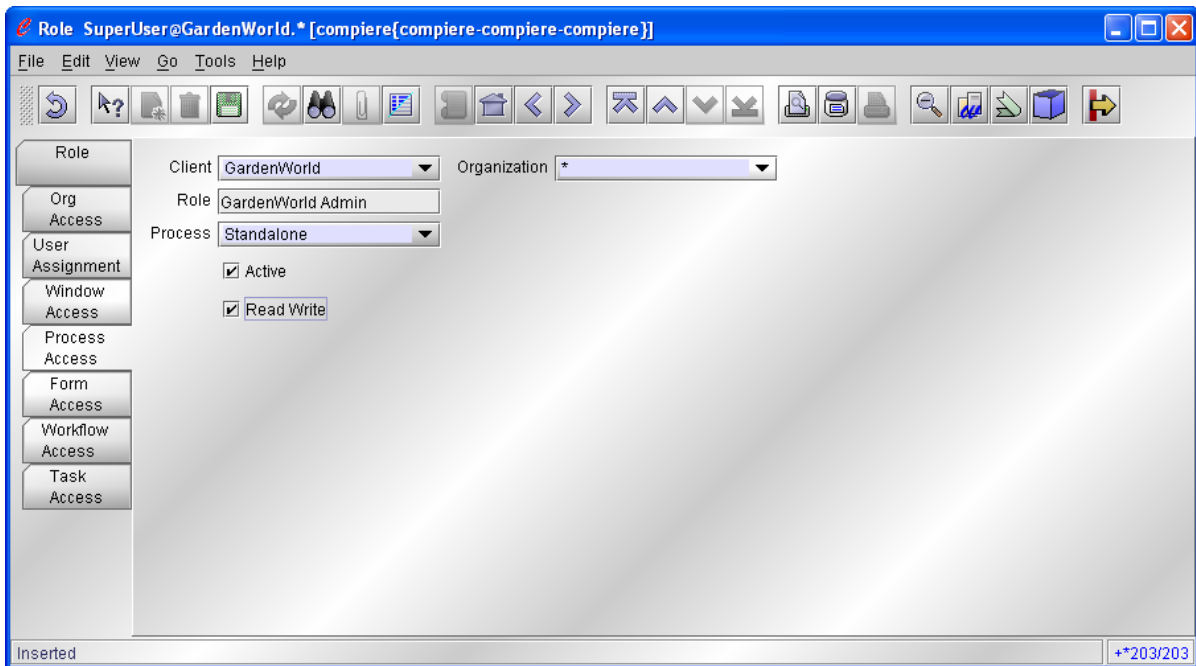


The Compiere Login dialog box features a blue title bar with the Compiere logo and the text "Compiere Login". It has three tabs: "Connection", "Defaults", and "?", with "Connection" selected. The form contains several fields: "Role" (dropdown menu showing "GardenWorld Admin"), "Client" (dropdown menu showing "GardenWorld"), "Organization" (dropdown menu showing "*"), "Warehouse" (empty dropdown menu), "Date" (text field showing "03/22/2005" with a calendar icon), and "Printer" (dropdown menu showing "\\bridge\HP Color Laser Jet 3500"). At the bottom right are two buttons: a red "X" (cancel) and a green checkmark (login). At the bottom left, the word "Authorized" is displayed.

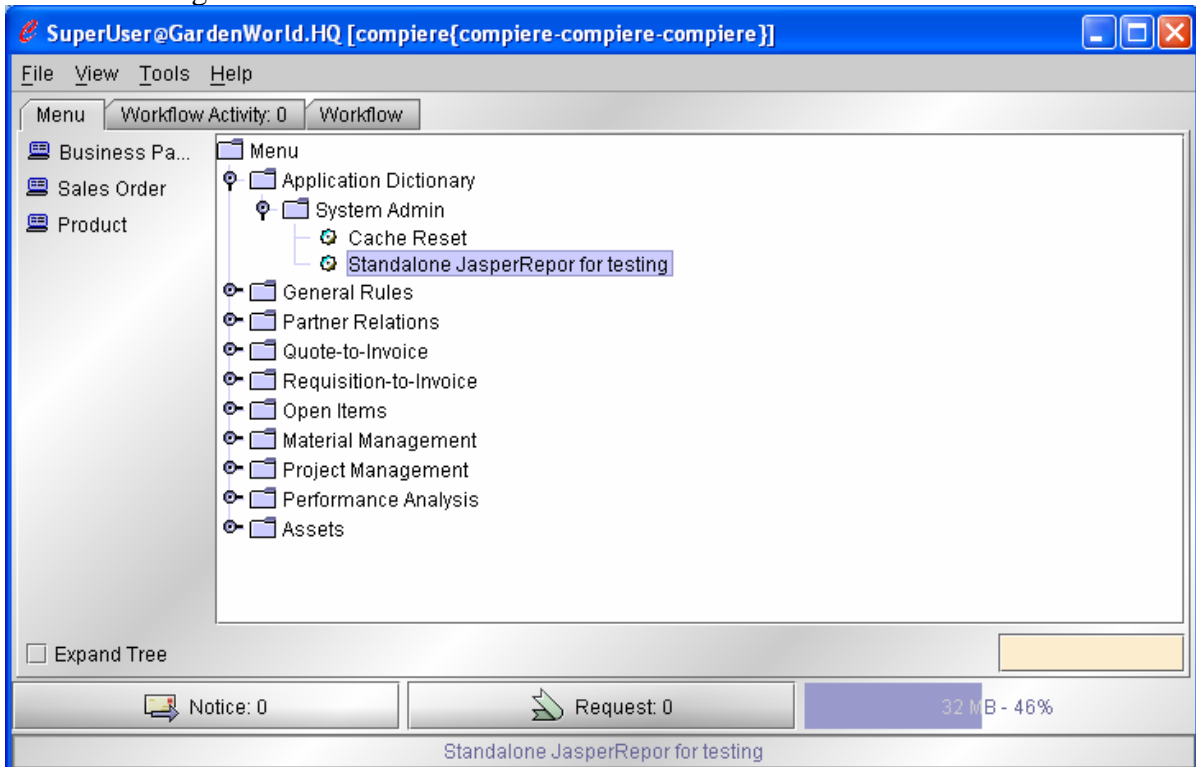
And in the main menu select the role control window



Now you can add a role accessing your process in the process Access Tab



Exit and Re-log



With have it now (perhaps somewhere else this print screen is buggy because my menu display name is different because I put a different name!)

3.2 « In window context » process creation

3.3 ReportType Selection

Thanks to Alin

You can now add a column type as previously. Add

Report & Process SuperUser@System.* [erp[erp-compiere.bittech.ro-compiere]]

File Edit View Go Tools Help

Report & Process

Client System Organization *

Search Key EA_TestReport

Name EA_TestReport

Description

Comment/Help

☒ Active ☐ Beta Functionality

Entity Type Customization

Data Access Level All

☒ Report

Classname org.compiere.report.ReportStarter

Procedure

Workflow

Report View

Print Format

Jasper Report http://erp/reports/test.jrxml

☐ Direct print

Statistics

Statistic Count 0 Statistic Seconds 0

Data refreshed [2 / 3]

Report & Process SuperUser@System.* [erp[erp-compiere.bittech.ro-compiere]]

File Edit View Go Tools Help

Report & Process

Client System Organization *

Process EA_TestReport

Name Report Type

Description

Comment/Help

☒ Active ☒ Centrally maintained

Entity Type Customization

Sequence 10

DB Column Name ReportType

Reference List

Value Format

Length 0

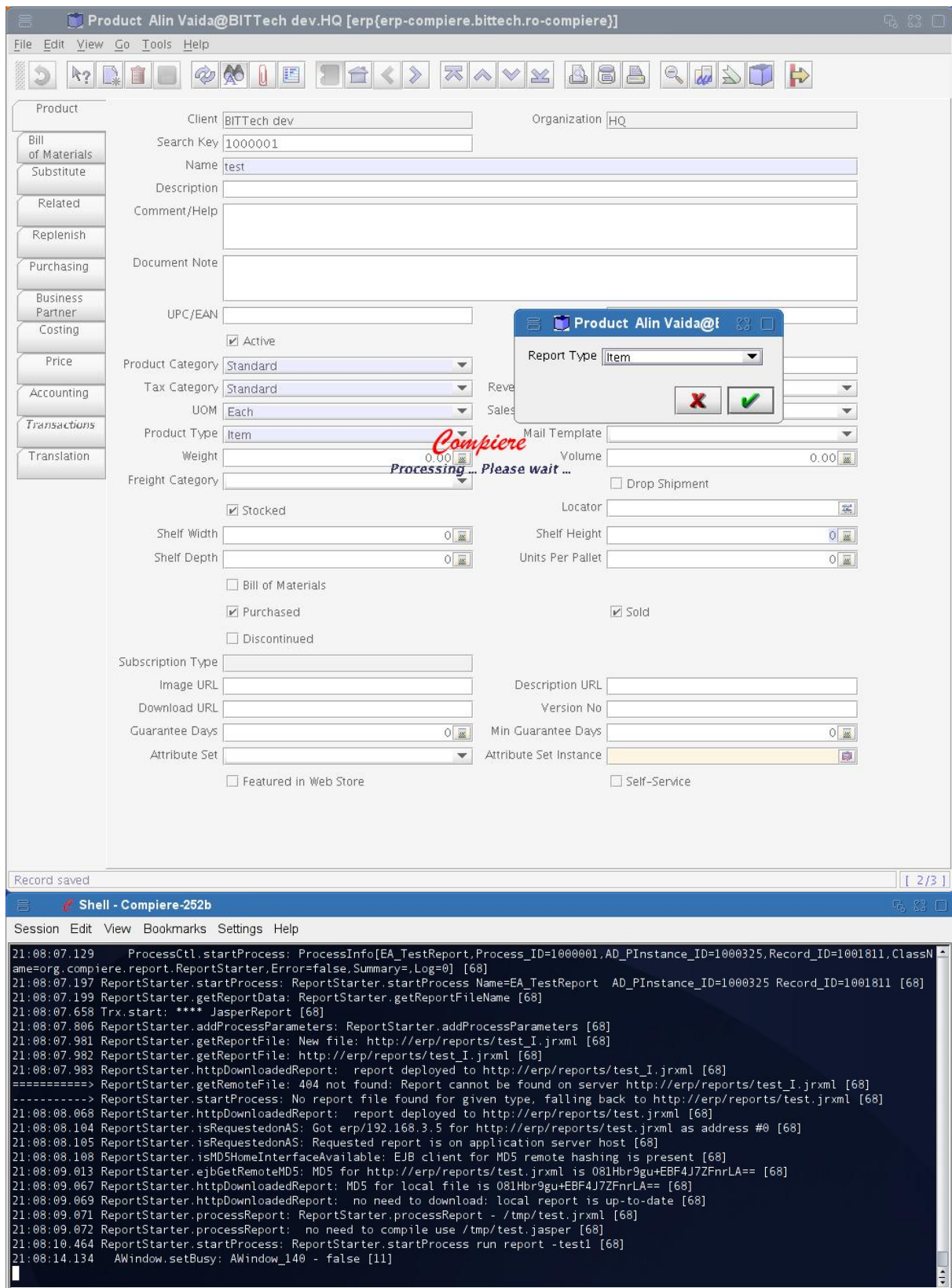
☐ Mandatory ☐ Range

Default Logic @ProductType@

Min. Value

Max. Value

Data refreshed 1/1



4 Report deployment Strategy

It is now easy to deploy reports in \$COMPIERE_HOME/reports or directly on a web server. Just specify the full URL in the Report & Process/JasperReport field and the report will be downloaded from the web server.

Note that the source jrxml is automatically stored in the local temp directory and replaced if a new version is present on the server.

Note also that the compiled version is also kept in the temp directory so the compilation is only done one time.

4.1 Deploy reports on the application server

It is probably the best method for deploying reports. You need to create a package containing your report.

The best way is to create an EAR deployment package and put it in the jboss/server/compiere/deploy directory of the application server. Jboss will detect that you add a package and deploy it automatically, if you remove it removes... it is magic.

You can find on sourceforge a webApp.ear package wich include standalone.jrxml report deployed as

<http://compiereservename.domain:compierewebportifnot80/webApp/standalone.jrxml>

5 Annexes

5.1 Standalone.jrxml

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- Created using an evaluation version of JasperAssistant (http://www.jasperassistant.com) -->
<!DOCTYPE jasperReport PUBLIC "-//JasperReports//DTD Report Design//EN" "http://jasperreports.sourceforge.net/dtds/jasperreport.dtd">

<jasperReport name="standalone" pageWidth="595" pageHeight="842" whenNoDataType="AllSectionsNoDetail" columnWidth="555" leftMargin="20" rightMargin="20" topMargin="30"
bottomMargin="30">
  <title>
    <band height="782">
      <staticText>
        <reportElement x="0" y="50" width="150" height="40"/>
        <textElement/>
        <text><![CDATA[The quick brown fox jumps over the lazy dog.]]></text>
      </staticText>
      <staticText>
        <reportElement x="160" y="50" width="390" height="40"/>
        <textElement/>
        <text><![CDATA[<staticText><reportElement x="0" y="50" width="150" height="40"/><text>The quick brown fox jumps over the lazy dog.</text></staticText>]]></text>
      </staticText>
      <staticText>
        <reportElement x="0" y="100" width="150" height="40"/>
        <textElement>
          <font size="12"/>
        </textElement>
        <text><![CDATA[The quick brown fox jumps over the lazy dog.]]></text>
      </staticText>
      <staticText>
        <reportElement x="160" y="100" width="390" height="40"/>
        <textElement/>
        <text><![CDATA[<staticText><reportElement x="0" y="100" width="150" height="40"/><textElement><font size="14"/></textElement><text>The quick brown fox jumps over
the lazy dog.</text></staticText>]]></text>
      </staticText>
      <staticText>
        <reportElement x="0" y="150" width="150" height="40"/>
        <textElement>
          <font fontName="serif" size="12" pdfFontName="Times-Roman"/>
        </textElement>
        <text><![CDATA[The quick brown fox jumps over the lazy dog.]]></text>
      </staticText>
      <staticText>
        <reportElement x="160" y="150" width="390" height="40"/>
        <textElement/>
        <text><![CDATA[<staticText><reportElement x="0" y="150" width="150" height="40"/><textElement><font fontName="serif" size="12" pdfFontName="Times-
Roman"/></textElement><text>The quick brown fox jumps over the lazy dog.</text></staticText>]]></text>
      </staticText>
      <staticText>
        <reportElement x="0" y="200" width="150" height="40"/>
        <textElement>
          <font fontName="serif" size="12" isBold="true" isItalic="true" pdfFontName="Times-BoldItalic"/>
        </textElement>
        <text><![CDATA[The quick brown fox jumps over the lazy dog.]]></text>
      </staticText>
      <staticText>
        <reportElement x="160" y="200" width="390" height="40"/>
```

```
<textElement/>
<text><![CDATA[<staticText><reportElement x="0" y="200" width="150" height="40"/><textElement><font fontName="serif" size="12" isBold="true" isItalic="true"
pdfFontName="Times-BoldItalic"/></textElement><text>The quick brown fox jumps over the lazy dog.</text></staticText>]]></text>
</staticText>
<staticText>
  <reportElement x="0" y="250" width="150" height="40"/>
  <textElement>
    <font fontName="Comic Sans MS" size="12" isBold="false" pdfFontName="COMIC.TTF"/>
  </textElement>
  <text><![CDATA[The quick brown fox jumps over the lazy dog.]]></text>
</staticText>
<staticText>
  <reportElement x="160" y="250" width="390" height="40"/>
  <textElement/>
  <text><![CDATA[<staticText><reportElement x="0" y="250" width="150" height="40"/><textElement><font fontName="Comic Sans MS" size="12" isBold="false"
pdfFontName="COMIC.TTF"/></textElement><text>The quick brown fox jumps over the lazy dog.</text></staticText>]]></text>
</staticText>
<staticText>
  <reportElement x="0" y="300" width="150" height="40"/>
  <textElement>
    <font fontName="Comic Sans MS" size="12" isBold="true" pdfFontName="COMICBD.TTF"/>
  </textElement>
  <text><![CDATA[The quick brown fox jumps over the lazy dog.]]></text>
</staticText>
<staticText>
  <reportElement x="160" y="300" width="390" height="40"/>
  <textElement/>
  <text><![CDATA[<staticText><reportElement x="0" y="300" width="150" height="40"/><textElement><font fontName="Comic Sans MS" size="12" isBold="true"
pdfFontName="COMICBD.TTF"/></textElement><text>The quick brown fox jumps over the lazy dog.</text></staticText>]]></text>
</staticText>
<staticText>
  <reportElement x="0" y="350" width="150" height="40"/>
  <textElement>
    <font fontName="monospaced" size="12" isItalic="true" isUnderline="true" pdfFontName="Courier-Oblique"/>
  </textElement>
  <text><![CDATA[The quick brown fox jumps over the lazy dog.]]></text>
</staticText>
<staticText>
  <reportElement x="160" y="350" width="390" height="40"/>
  <textElement/>
  <text><![CDATA[<staticText><reportElement x="0" y="350" width="150" height="40"/><textElement><font fontName="monospaced" size="12" isItalic="true"
isUnderline="true" pdfFontName="Courier-Oblique"/></textElement><text>The quick brown fox jumps over the lazy dog.</text></staticText>]]></text>
</staticText>
<staticText>
  <reportElement x="0" y="400" width="150" height="40"/>
  <textElement>
    <font fontName="monospaced" size="12" isBold="true" isStrikeThrough="true" pdfFontName="Courier-Bold"/>
  </textElement>
  <text><![CDATA[The quick brown fox jumps over the lazy dog.]]></text>
</staticText>
<staticText>
  <reportElement x="160" y="400" width="390" height="40"/>
  <textElement/>
  <text><![CDATA[<staticText><reportElement x="0" y="400" width="150" height="40"/><textElement><font fontName="monospaced" size="12" isBold="true"
isStrikeThrough="true" pdfFontName="Courier-Bold"/></textElement><text>The quick brown fox jumps over the lazy dog.</text></staticText>]]></text>
</staticText>
<staticText>
```

```
<reportElement x="0" y="450" width="150" height="40" forecolor="#ff0000"/>
<textElement>
  <font size="14"/>
</textElement>
<text><![CDATA[The quick brown fox jumps over the lazy dog.]]></text>
</staticText>
<staticText>
  <reportElement x="160" y="450" width="390" height="40"/>
  <textElement/>
  <text><![CDATA[<staticText><reportElement x="0" y="450" width="150" height="40" forecolor="red"/><textElement><font size="14"/></textElement><text>The quick brown
fox jumps over the lazy dog.</text></staticText>]]></text>
</staticText>
<staticText>
  <reportElement mode="Opaque" x="0" y="500" width="150" height="40" forecolor="#ff00" backcolor="#ffff00"/>
  <textElement>
    <font fontName="serif" size="12" isBold="true" pdfFontName="Times-Bold"/>
  </textElement>
  <text><![CDATA[The quick brown fox jumps over the lazy dog.]]></text>
</staticText>
<staticText>
  <reportElement x="160" y="500" width="390" height="40"/>
  <textElement/>
  <text><![CDATA[<staticText><reportElement x="0" y="500" width="150" height="40" forecolor="green" backcolor="#FFFF00" mode="Opaque"/><textElement><font
fontName="serif" size="12" isBold="true" pdfFontName="Times-Bold"/></textElement><text>The quick brown fox jumps over the lazy dog.</text></staticText>]]></text>
</staticText>
<staticText>
  <reportElement mode="Opaque" x="0" y="550" width="150" height="90" forecolor="#ff" backcolor="#ffdd99"/>
  <textElement textAlignment="Center" verticalAlignment="Middle">
    <font fontName="serif" size="12" isBold="true" pdfFontName="Times-Bold"/>
  </textElement>
  <text><![CDATA[The quick brown fox jumps over the lazy dog.]]></text>
</staticText>
<staticText>
  <reportElement x="160" y="550" width="390" height="90"/>
  <textElement/>
  <text><![CDATA[<staticText><reportElement x="0" y="550" width="150" height="90" forecolor="blue" backcolor="#FFDD99" mode="Opaque"/><textElement
textAlignment="Center" verticalAlignment="Middle"><font fontName="serif" size="12" isBold="true" pdfFontName="Times-Bold"/></textElement><text>The quick brown fox jumps over the
lazy dog.</text></staticText>]]></text>
</staticText>
<staticText>
  <reportElement mode="Opaque" x="0" y="650" width="150" height="90" forecolor="#ff0000" backcolor="#99ddff"/>
  <textElement textAlignment="Right" verticalAlignment="Bottom">
    <font fontName="serif" size="12" isBold="true" pdfFontName="Times-Bold"/>
  </textElement>
  <text><![CDATA[The quick brown fox jumps over the lazy dog.]]></text>
</staticText>
<staticText>
  <reportElement x="160" y="650" width="390" height="90"/>
  <textElement/>
  <text><![CDATA[<staticText><reportElement x="0" y="650" width="150" height="90" forecolor="red" backcolor="#99DDFF" mode="Opaque"/><textElement
textAlignment="Right" verticalAlignment="Bottom"><font fontName="serif" size="12" isBold="true" pdfFontName="Times-Bold"/></textElement><text>The quick brown fox jumps over the
lazy dog.</text></staticText>]]></text>
</staticText>
</band>
</title>
</jasperReport>
```