Jaspersoft Workshop
Exercice Book

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Setting up
- Review of pre-requisites
- Check license / Install new license

Unzip JasperWorkshop.zip in your desktop to obtain JasperWorkshop folder
This folder contains extended license files, sql scripts and extra samples.
The folder contain Jaspersoft Workshop Exercice Book.pdf containing procedures and demos for you

We assume you are using version the windows version of JasperReportsServer 6.2 with english locale

Check License
Start Jasperserver
Open your browser and go to the server url (usually http://localhost:8080/jasperserver-pro)
On the bottom of the login page clic on the link About TIBCO Jaspersoft
See the expiration date in the popup window as well as other details

Install License
- Stop JasperReportsServer

- From the JasperWorkshop folder copy the file **jasperserver.license**

- Go into the folder where JasperReportsServer is installed (usually it's in

    c:/jaspersoft/jasperreportsserver-6.2.0)

- replace the file jasperserver.**license** with the jasperserver.**license** file from the

    JasperWorkshop folder

- Start JasperReportsServer

- Check the license again and see the expiration date increased

From Source to Dashboards "All in Web demo building"

Now we are going to check your knowledge by recreating our own version of the
« All in Web Demo »)

In order to isolate our content from the original sample we will create an
organization

0. create the « workshop" Organization
Login into JasperServer as superuser (password = superuser)
Go in the menu Manage -> Organization
Ensure the Root organization is selected before you click on Add Organization

Type **workshop** as organization name (the organization id will be filled up
automatically)

1. Create a data source

Log in to JasperServer into the Workshop organization as jasperadmin

The datasource we want to connect have following specs
Vendor : **Postgres**
Server : **localhost**
Port : **5432**
Database Name : **foodmart**
username : **postgres**
password : **postgres**

2. Create a domain

We want a domain showing sales, cost and profits measures for low fat products and stores

Tables needed :
public_sales_fact_1998
public_store
public_time_by_day

Here are the <u>inner</u> joins needed
public time_by_day inner joins public_sales_fact_1998 with the fields time_id

public store inner joins public_sales_fact_1998 with the fields store_id

Calculated Field:
Profit (calculated) =
public_sales_fact_1998.store_sales-public_sales_fact_1998.store_cost

In the display section pick the following fields
From the public_sales_fact_1998 take the following fields: store_Profit, store_sales, store_cost

From Store take the following fields: Store_Name, City, State, Country

From Time_by_day take the following fields: the_date, the_year,the quarter

3 create some ad hoc views

. At least create and save 2 ad hoc views :
View 1 : a double pie chart showing profit by Store's Country and States

View 2 : a time series spline showing profit by per Store's city and store names with Store States as filter

4. create a dashboard

. At least create one « update dashboard link"
- Please drag and drop the 2 views you created previously
- Right click on view 1 then select properties
- Go in the tab Hyperlinks then check enable hyperlink
- Choose the action Update dashboard
- Then clic create links in filter manager (confirm by click on yes if you are prompted for this)
- Click on the + sign at the right of store_state
- Select view 2 as the dashlet then store_state as the parameter
- Go on view mode
- Click on a state on the double pie chart then see the content refreshed on the other view.

Save your dashboard

5. Add a simple webpage into jasper server
- Copy the folder myweb from JasperWorkshop folder into
  c:/jaspersoft/jasperreportsserver-6.2/apache-tomcat/webapps
- Go to the page http://localhost:8080/myweb to check if the page can load. (at the moment the page contains only a header and a message)
- Now we have a webpage we can add content to.

6. Embed a dashboard into a webpage
Get the dashboard location (path)
- Log in to JasperServer into the Workshop organization as jasperadmin
- Right Click on the dashboard you created previously and select properties
- Copy the Path of the dashboard (I strongly recommend to past it into a temporary text file to save it safely for later use)

Modify the web page to embed the selected dashboard

- Go in the folder c:/jaspersoft/jasperreportsserver-6.1.0/apache-tomcat/webapps/mypage

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- Edit the file index.html

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- Within this line :
  <iframe top=181px frameBorder=0 width=1200px height=600px src="default.html"></>

- replace « **default.html** » with a complete path we are going to built in following steps

- First paste this :
  http://localhost:8080/jasperserver-pro/dashboard/viewer.html

- Then add this
  ?viewAsDashboardFrame=true&j_username=joeuser|workshop&j_password=joeuser#

- And finally paste the path of the dashboard you previously copied

- (The result should look like this)
  http://localhost:8080/jasperserver-pro/dashboard/viewer.html?viewAsDashboardFrame=true&j_username=joeuser|workshop&j_password=joeuser#/public/myDashboard

- Save the index.html file

- Go to the page http://localhost:8080/myweb to check the dashboard is embedded in the webpage