

TP1-2 : Pentaho

Cubes et data mart

Database Connection

General

Advanced

Options

Pooling

Clustering

Connection Name:

Conn

Connection Type:

MS Access

MS SQL Server

MS SQL Server (Native)

MariaDB

MaxDB (SAP DB)

MonetDB

MySQL

Native Mondrian

Neoview

Netezza

Oracle

Oracle RDB

Pentaho Data Services

PostgreSQL

Redshift

Remedy Action Request System

Access:

Native (JDBC)

ODBC

JNDI

Settings

Host Name:

localhost

Database Name:

cube_olap

Port Number:

3306

User Name:

root

Password:

☒ Use Result Streaming ...

Test

OK

Cancel

Schema - New Schema2 (Schema2.xml)

Schema

- cube_olap
 - Table: fact
 - Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
 - Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
 - Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Cube

Attribute	Value
name	cube_olap
description	
caption	
cache	<input checked="" type="checkbox"/>
enabled	<input checked="" type="checkbox"/>
visible	<input checked="" type="checkbox"/>

Schema - New Schema2 (Schema2.xml)

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 - Time
 - Time
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 - Mois
 - Table: dim_time
 - Moyenne
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 - Résident

Table for 'cube_olap' Cube

Attribute	Value
schema	
name	fact
alias	

Schema - New Schema2 (Schema2.xml)

Dimension for 'cube_olap' Cube

Attribute	Value
name	Etudiant
description	
foreignKey	ID_Etudiant
type	StandardDimension
usagePrefix	
caption	The dimension's type may be one of "Standard" or "Time". A time dimension will allow the use of the MDX time functions (WTD, YTD, QTD, etc.). Use a standard dimension if the dimension is not a time-related dimension. The default value is "Standard".
visible	

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 - Time
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 - Jour
 - Mois
 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Schema - New Schema2 (Schema2.xml)

Hierarchy for 'Etudiant' Dimension

Attribute	Value
name	Etudiant
description	
hasAll	<input checked="" type="checkbox"/>
allMemberName	
allMemberCaption	
allLevelName	
defaultMember	
memberReaderClass	
primaryKeyTable	
primaryKey	ID_ETUDIANT
caption	
visible	<input checked="" type="checkbox"/>

No help available for Hierarchy,visible

Schema

- cube_olap
 - Table: fact
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 - Table: dim_time
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 - Résident

Schema - New Schema2 (Schema2.xml)

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 - Table: dim_etud
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 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
 - Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Level for 'Etudiant' Hierarchy

Attribute	Value
name	ID_Etudiant
description	
table	dim_etudiant
column	ID_ETUDIANT
nameColumn	ID_ETUDIANT
parentColumn	
nullParentValue	
ordinalColumn	
type	Numeric
internalType	
uniqueMembers	<input type="checkbox"/>
levelType	Regular
hideMemberIf	Never
approxRowCount	
caption	
captionColumn	
formatter	
visible	<input checked="" type="checkbox"/>

Schema - New Schema2 (Schema2.xml)

Schema

- cube_olap
 - Table: fact
 - Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
 - Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
 - Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Level for 'Etudiant' Hierarchy

Attribute	Value
name	Nom_Etudiant
description	
table	dim_etudiant
column	NOM_ETUDIANT
nameColumn	NOM_ETUDIANT
parentColumn	
nullParentValue	
ordinalColumn	
type	String
internalType	
uniqueMembers	<input type="checkbox"/>
levelType	Regular
hideMemberIf	Never
approxRowCount	
caption	
captionColumn	
formatter	
visible	<input checked="" type="checkbox"/>

Schema - New Schema2 (Schema2.xml)

Table for 'Etudiant' Hierarchy

Attribute	Value
schema	
name	dim_etudiant
alias	

Schema tree:

- cube_olap
 - Table: fact
 - Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
 - Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
 - Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Schema - New Schema2 (Schema2.xml)

Dimension for 'cube_olap' Cube

Attribute	Value
name	Module
description	
foreignKey	ID_Module
type	StandardDimension
usagePrefix	
caption	
visible	<input checked="" type="checkbox"/>

Schema tree:

- cube_olap
 - Table: fact
 - Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
 - Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
 - Time
 - Time
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 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Schema - New Schema2 (Schema2.xml)

cube_olap

- Table: fact
- Etudiant
 - Etudiant
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 - Nom_Etudiant
 - Table: dim_etud
- Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
- Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
- Moyenne
- Student_Count
- Résident

Hierarchy for 'Module' Dimension

Attribute	Value
name	Module
description	
hasAll	<input checked="" type="checkbox"/>
allMemberName	
allMemberCaption	
allLevelName	
defaultMember	
memberReaderClass	
primaryKeyTable	
primaryKey	ID_MODULE
caption	
visible	<input checked="" type="checkbox"/>

Schema - New Schema2 (Schema2.xml)

cube_olap

- Table: fact
- Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
- Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
- Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
- Moyenne
- Student_Count
- Résident

Level for 'Module' Hierarchy

Attribute	Value
name	ID_Module
description	
table	dim_module
column	ID_MODULE
nameColumn	ID_MODULE
parentColumn	
nullParentValue	
ordinalColumn	
type	Numeric
internalType	
uniqueMembers	<input type="checkbox"/>
levelType	Regular
hideMemberIf	Never
approxRowCount	
caption	
captionColumn	
formatter	
visible	<input checked="" type="checkbox"/>

Schema - New Schema2 (Schema2.xml)

Schema

- cube_olap
 - Table: fact
 - Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
 - Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
 - Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Level for 'Module' Hierarchy

Attribute	Value
name	Nom_Module
description	
table	dim_module
column	NOM_MODULE
nameColumn	NOM_MODULE
parentColumn	
nullParentValue	
ordinalColumn	
type	String
internalType	
uniqueMembers	<input type="checkbox"/>
levelType	Regular
hideMemberIf	Never
approxRowCount	
caption	
captionColumn	
formatter	
visible	<input checked="" type="checkbox"/>

Schema - New Schema2 (Schema2.xml)

Schema

- cube_olap
 - Table: fact
 - Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
 - Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
 - Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Table for 'Module' Hierarchy

Attribute	Value
schema	
name	dim_module
alias	

Schema - New Schema2 (Schema2.xml)

Dimension for 'cube_olap' Cube

Attribute	Value
name	Time
description	
foreignKey	ID_date
type	TimeDimension
usagePrefix	
caption	
visible	<input checked="" type="checkbox"/>

Schema

- cube_olap
 - Table: fact
 - Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
 - Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
 - Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Schema - New Schema2 (Schema2.xml)

Hierarchy for 'Time' Dimension

Attribute	Value
name	Time
description	
hasAll	<input checked="" type="checkbox"/>
allMemberName	
allMemberCaption	
allLevelName	
defaultMember	
memberReaderClass	
primaryKeyTable	
primaryKey	ID_DATE
caption	
visible	<input checked="" type="checkbox"/>

Schema

- cube_olap
 - Table: fact
 - Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
 - Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
 - Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Schema - New Schema2 (Schema2.xml)

Level for 'Time' Hierarchy

Attribute	Value
name	Annee
description	
table	dim_time
column	Annee
nameColumn	Annee
parentColumn	
nullParentValue	
ordinalColumn	
type	Numeric
internalType	
uniqueMembers	<input type="checkbox"/>
levelType	TimeYears
hideMemberIf	Never
approxRowCount	
caption	
captionColumn	
formatter	
visible	<input checked="" type="checkbox"/>

Schema

- cube_olap
 - Table: fact
 - Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
 - Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
 - Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Schema - New Schema2 (Schema2.xml)

Level for 'Time' Hierarchy

Attribute	Value
name	Jour
description	
table	dim_time
column	Jour
nameColumn	Jour
parentColumn	
nullParentValue	
ordinalColumn	
type	Numeric
internalType	
uniqueMembers	<input type="checkbox"/>
levelType	TimeDays
hideMemberIf	Never
approxRowCount	
caption	
captionColumn	
formatter	
visible	<input checked="" type="checkbox"/>

Schema

- cube_olap
 - Table: fact
 - Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
 - Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
 - Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Schema - New Schema2 (Schema2.xml)

cube_olap

- Table: fact
- Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
- Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
- Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
- Moyenne
- Student_Count
- Résident

Level for 'Time' Hierarchy

Attribute	Value
name	Mois
description	
table	dim_time
column	Mois
nameColumn	Mois
parentColumn	
nullParentValue	
ordinalColumn	
type	Numeric
internalType	
uniqueMembers	<input type="checkbox"/>
levelType	TimeMonths
hideMemberIf	Never
approxRowCount	
caption	
captionColumn	
formatter	
visible	<input checked="" type="checkbox"/>

Schema - New Schema2 (Schema2.xml)

cube_olap

- Table: fact
- Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
- Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
- Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
- Moyenne
- Student_Count
- Résident

Table for 'Time' Hierarchy

Attribute	Value
schema	
name	dim_time
alias	

Schema - New Schema2 (Schema2.xml)

Schema

- cube_olap
 - Table: fact
 - Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
 - Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
 - Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Measure for 'cube_olap' Cube

Attribute	Value
name	Moyenne
description	
aggregator	avg
column	Moyenne
formatString	
datatype	Numeric
formatter	
caption	
visible	<input checked="" type="checkbox"/>

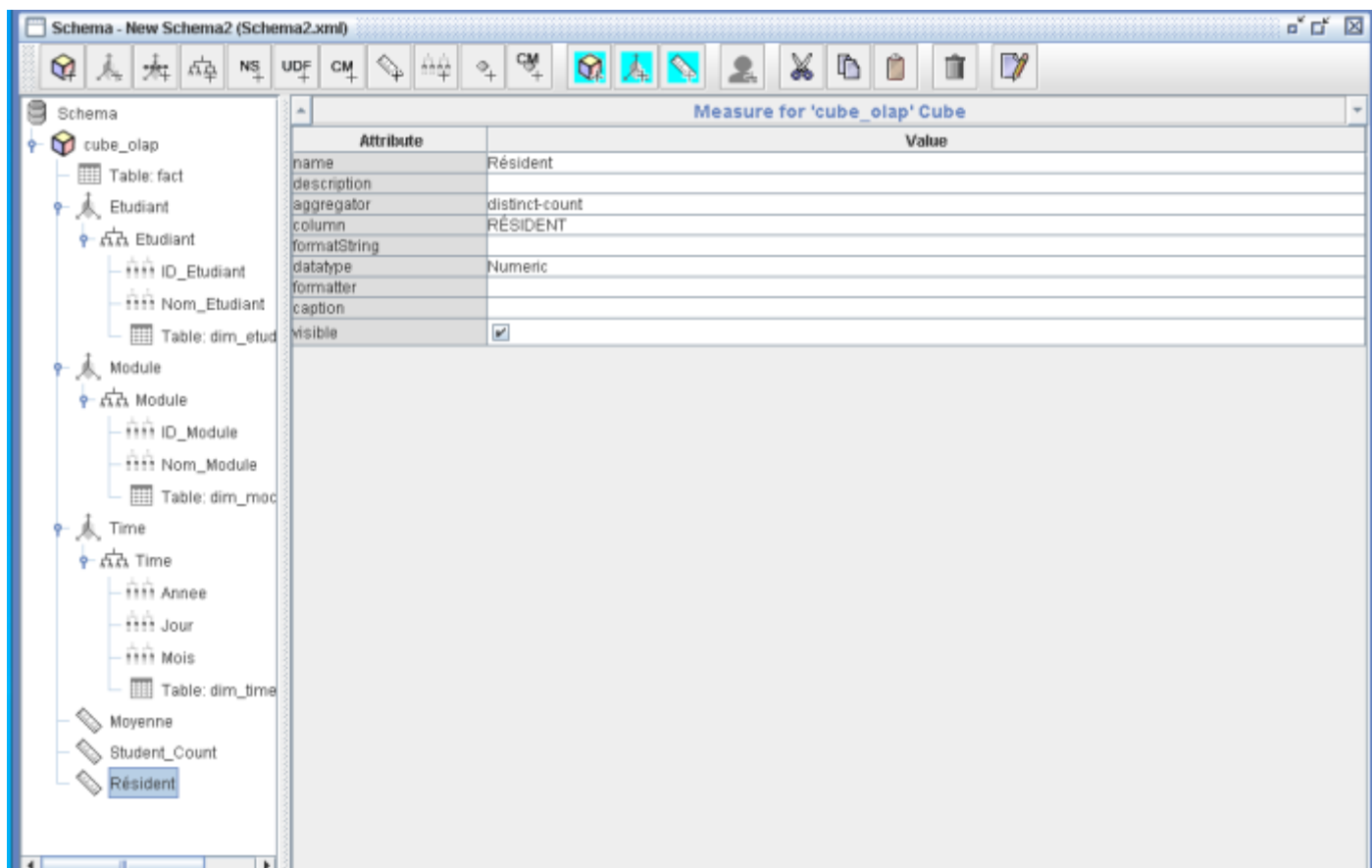
Schema - New Schema2 (Schema2.xml)

Schema

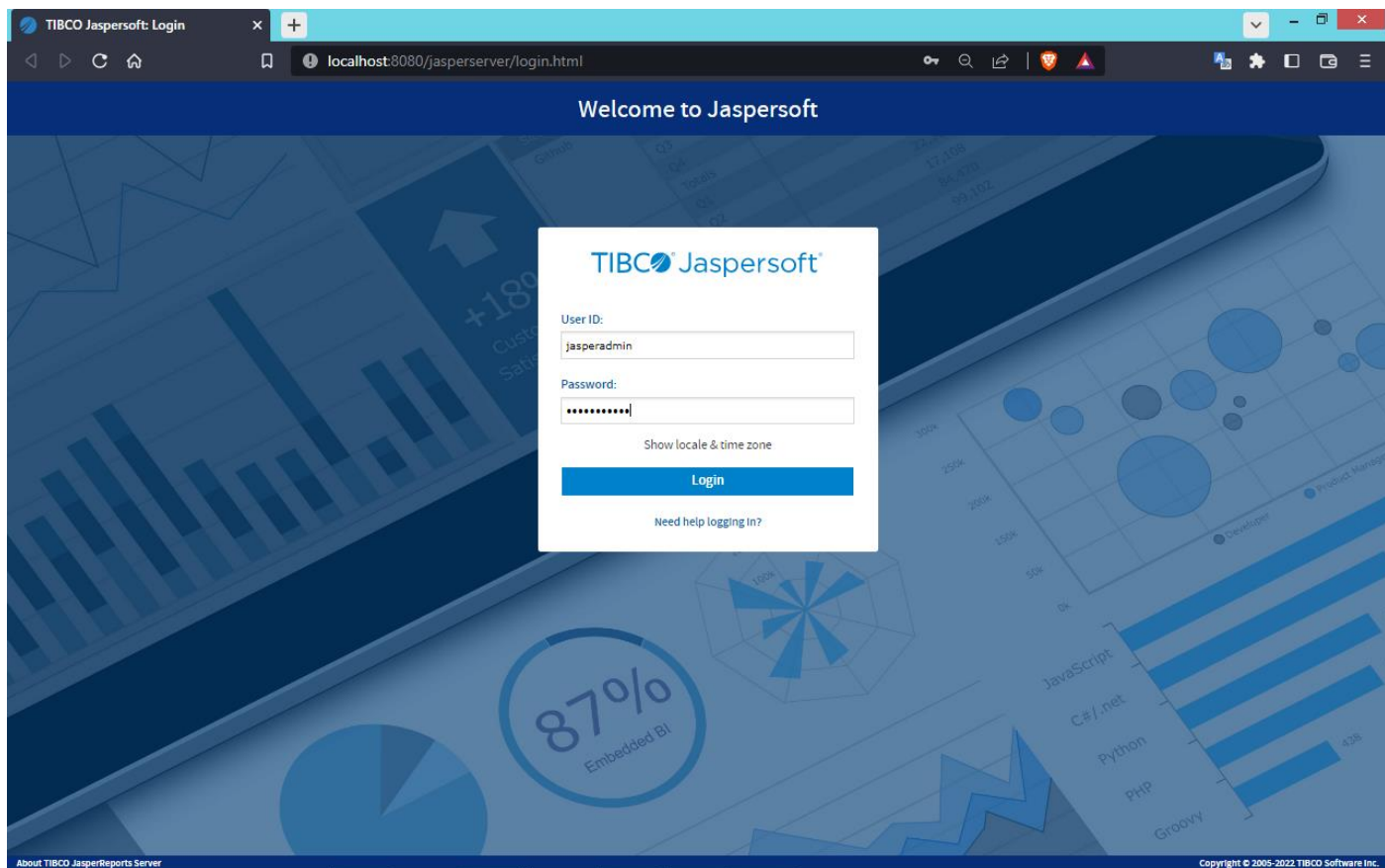
- cube_olap
 - Table: fact
 - Etudiant
 - Etudiant
 - ID_Etudiant
 - Nom_Etudiant
 - Table: dim_etud
 - Module
 - Module
 - ID_Module
 - Nom_Module
 - Table: dim_moc
 - Time
 - Time
 - Annee
 - Jour
 - Mois
 - Table: dim_time
 - Moyenne
 - Student_Count
 - Résident

Measure for 'cube_olap' Cube

Attribute	Value
name	Student_Count
description	
aggregator	distinct-count
column	ID_Etudiant
formatString	
datatype	Numeric
formatter	
caption	
visible	<input checked="" type="checkbox"/>



Reporting



TIBCO Jaspersoft: Browse Reposi

localhost:8080/jasperserver/flow.html?_flowId=searchFlow

TIBCO Jaspersoft

LibraryViewManagejasperadmin UserLog Out

Repository

Folders

root

Analysis Components

Content Files

Data Sources

Images

Reports

Themes

Run

Edit

Open

Copy

Cut

Paste

Delete

Name

Description

Type

Created Date

Modified Date

Jasperserver Repository SQL data source

Jasperserver Repository SQL data source for reporting

JNDI Data Source

Yesterday

12/2/2022

JServer Jdbc Data Source

JServer Jdbc Data Source

JDBC Data Source

Yesterday

12/2/2022

JServer JNDI Data Source

JServer JNDI Data Source

JNDI Data Source

Yesterday

12/2/2022

Data Source

Data Source

Virtual Data Source Combining SugarCRM and Foodmart

Virtual Data Source

Yesterday

12/2/2022

Add Folder

Add Resource

Copy

Cut

Delete

Permissions...

Properties...

Export

Data Source

Datatype

File

Input Control

JasperReport

Content Resource

List of Values

Mondrian XML/A Source

OLAP Client Connection

OLAP View

Query

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TIBCO Jaspersoft: New Data Sour

localhost:8080/jasperserver/flow.html?_flowId=addDataSourceFlow&ParentFolderUri...

TIBCO Jaspersoft

LibraryViewManagejasperadmin UserLog Out

New Data Source

Type: JDBC

JDBC Driver:MySQL (org.mariadb.jdbc.Driver)Select Driver...

Host (required):localhost

Port (required):3306

Database (required):cube_olap

URL (required):jdbc:mysql://localhost:3306/cube_olap?tinyInt1isBit=falseHint: jdbc:postgresql://localhost:5432/mydb

User Name:root

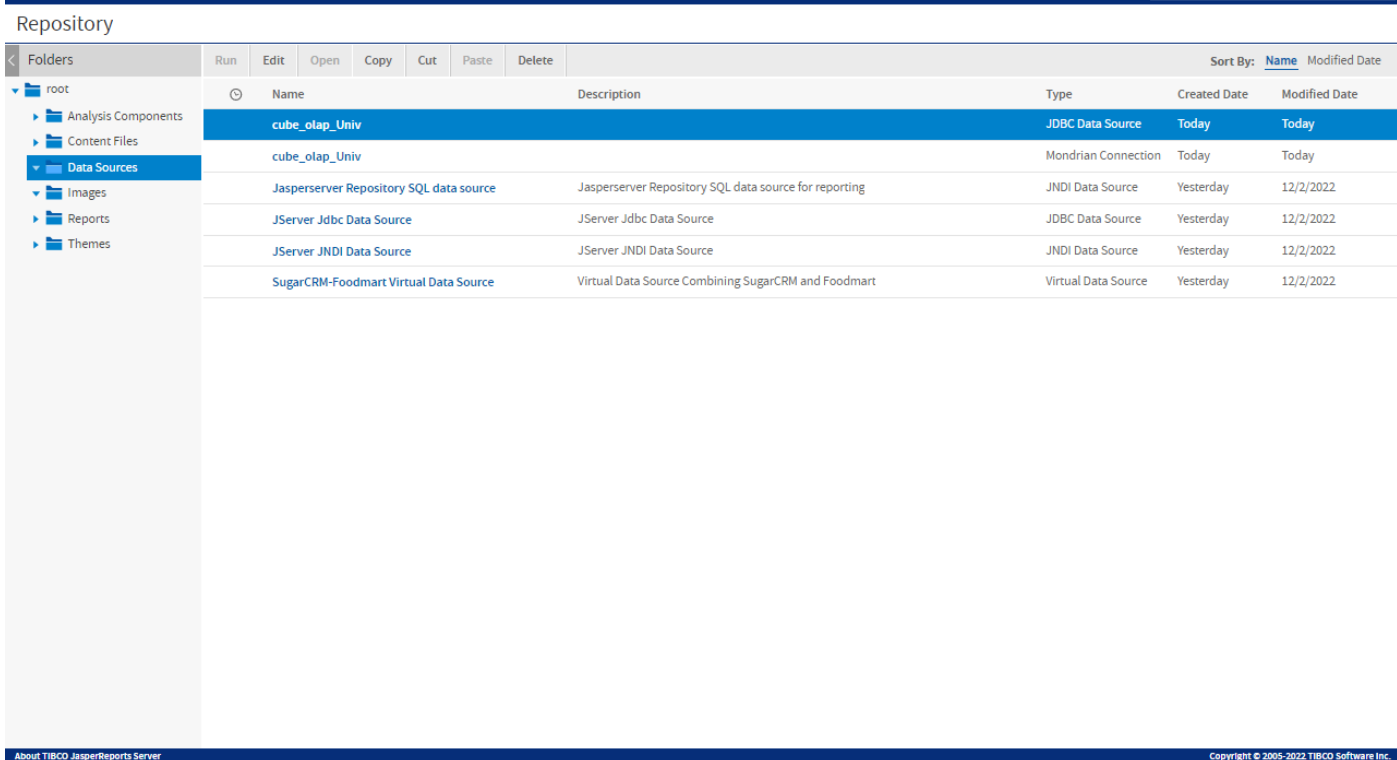
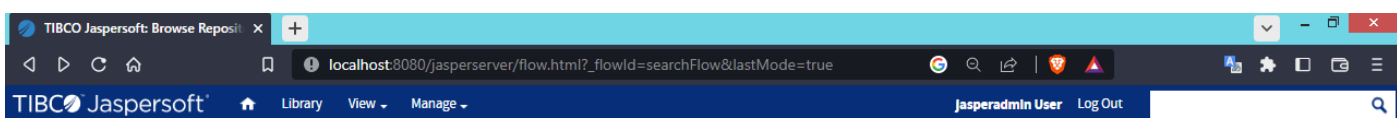
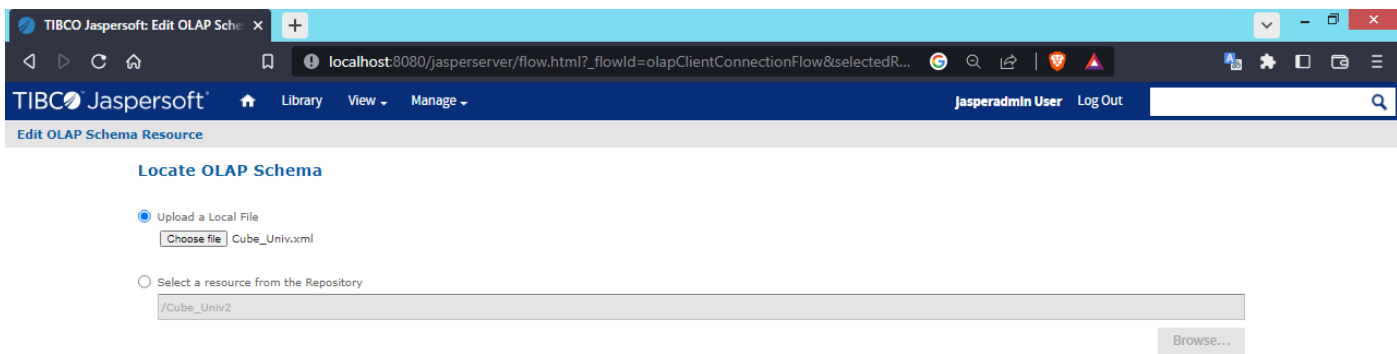
Password:

Time Zone:Use database settingHint: Do not change the time zone setting unless you know the database timestamp data is incorrect.

Test ConnectionConnection passed

SaveCancel

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Et maintenant nous n'avons plus qu'à ajouter "Ad Hoc Views" et visualiser nos données

PS : Je n'ai pas accès à l'option "Ad Hoc Views" car elle n'est disponible que dans la version pro"