

Administration and Report Development Training

July 4 - 8, 2022

One Central Hotel
Cebu City, Philippines

Report Designer

What is Report Designer ?

- ⦿ A tool in designing and compiling Jasper Report Templates
- ⦿ We used **iReport-3.0.0** as the main report designer tool

What is iReport ?

- Free and open source report designer for Jasper Reports
- Creates layout containing charts, images, subreports, crosstabs and so much more
- Access your data through JDBC, TableModels, Java Beans, XML, Hibernate, CSV and custom data sources
- Export reports as PDF, RTF, XML, XLS, CSV, HTML, XHTML, TEXT, DOCX, or OpenOffice

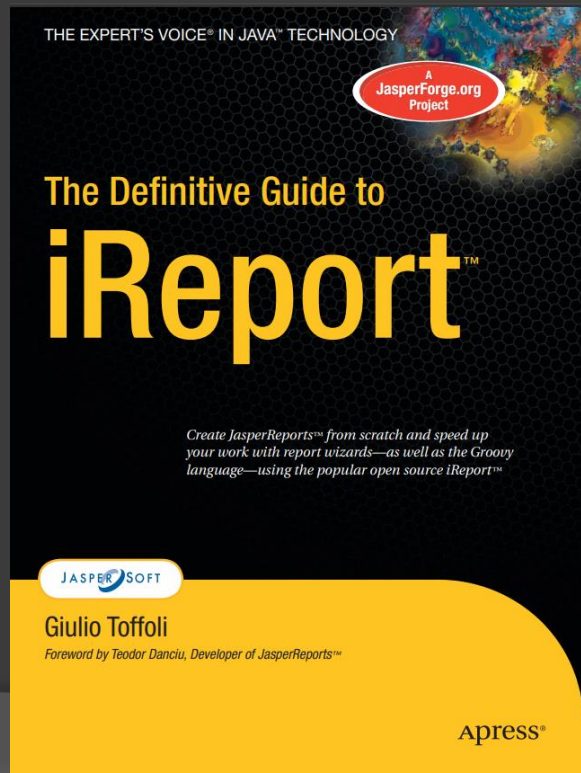
What is Jasper Report ?

- ⦿ An open source Java reporting engine
- ⦿ It is a Java class library
- ⦿ Meant for those Java Developers who need to add reporting capabilities to their applications

Reference Guide

● The Definitive Guide to iReport

https://drive.google.com/file/d/1f8bE0TsmmaXKzMK6OatDx-fM_JhiqaS_/view?usp=sharing



Report File Extensions

Report File Extensions

⦿ .jrxml

- Contains design definition in XML format

⦿ .jasper

- Contains report content in binary format that has been compiled from a JRXML file

Report Structure

Report Sections

- Title
- PageHeader
- ColumnHeader
- Detail
- ColumnFooter
- PageFooter
- Summary

Report Sections View

	title	
	pageHeader	
	columnHeader	
	detail	
	columnFooter	
	pageFooter	
	summary	

Report Designer Tool

Report Designer Tool

iReport 3.0.0 [sample_report 612x792 (Modified)]

File Edit View Format Data Build Options Plugins Window Help

SansSerif 10

Files

Open Files

[sample_report]

Document structure

Document

title

pageHeader

columnHeader

detail

columnFooter

pageFooter

lastPageFooter

summary

Band Sections

Properties

Report properties	
Report Name	sample_report
Page size	
Orientation	Portrait
Width	612
Height	792
Page margin	
Left	29
Right	30
Top	29
Bottom	29
Report columns	
Columns	1
Width	553
Spacing	0
More...	
Scriptlet	Use this scriptlet class...
Scriptlet Class	
Language	Java
Title on a new page	<input type="checkbox"/>
Summary on a new page	<input type="checkbox"/>
Floating column footer	<input type="checkbox"/>
Ignore pagination	<input type="checkbox"/>
Print Order	Vertical
When no data	No pages
Format Factory Class	
Resource Bundle Base Name	
When resource missing type	Null

Filters:

Output Console

Main Console Problems (0)

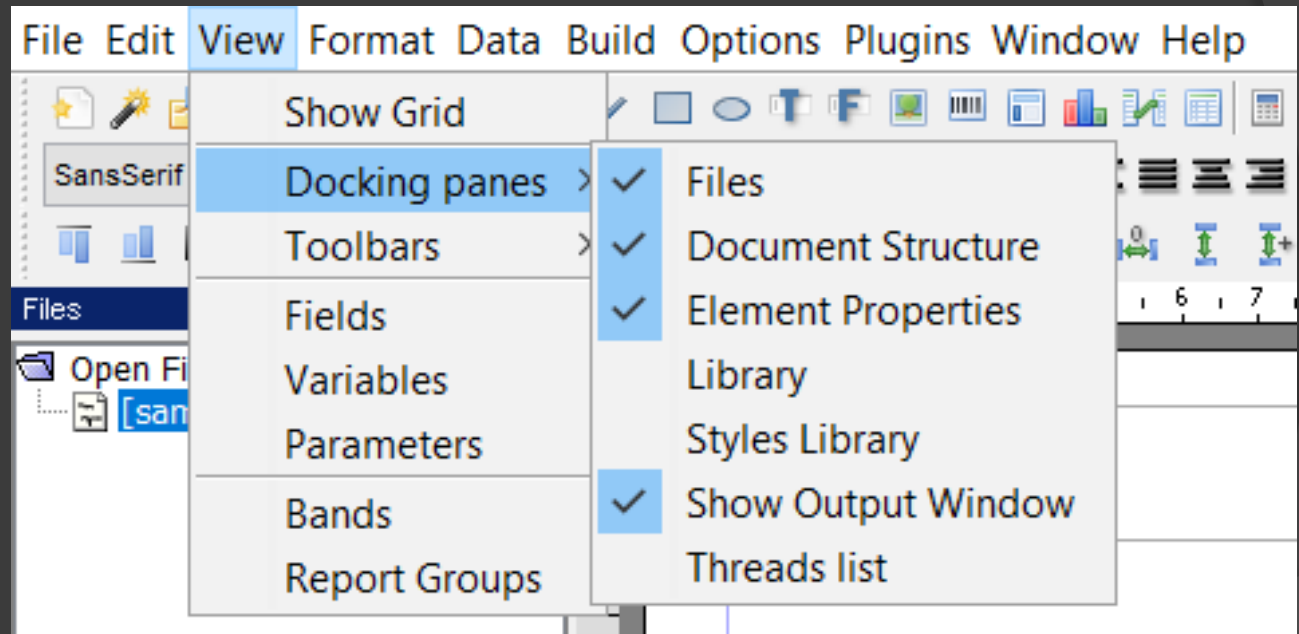
- iReport home (iReport home system property): C:\Users\ramesesinc\Apps\iReport-3.0.0.bak
- User home (user.home system property): C:\Users\ramesesinc\iReport
- iReport default compile directory: .
- iReport user home directory (iReport compiles here if there are no settings or if iReport isn't compiling to the report directory): C:\Users\ramesesinc\Apps\iReport-3.0.0.bak

Console Log

Configure Docking Panes

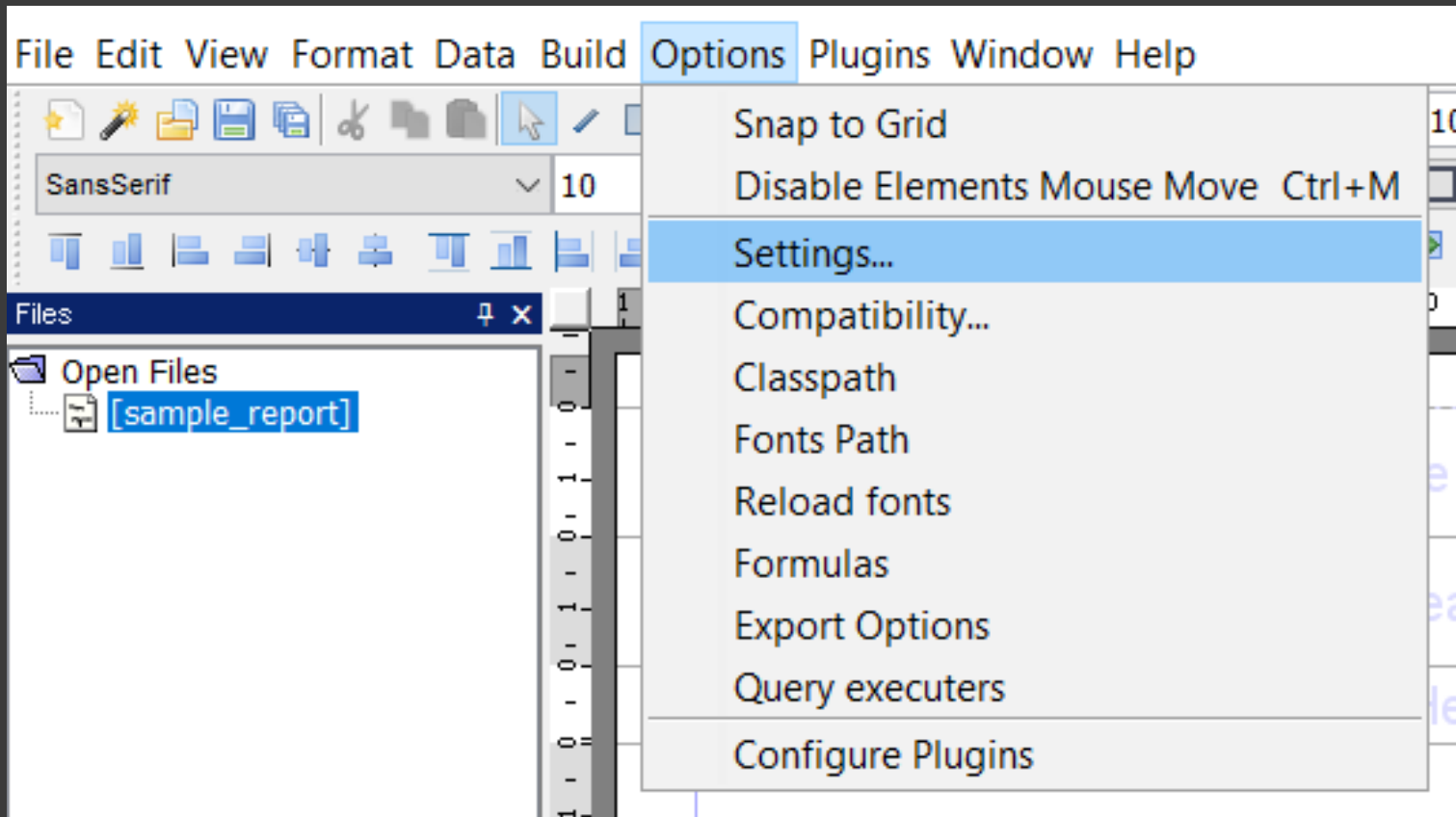
⦿ Configure docking panes to be visibled in the following items:

- Files
- Document Structure
- Element Properties
- Show Output Window



Configure Settings

1. Click the "Options-> Settings" menu



Configure Settings

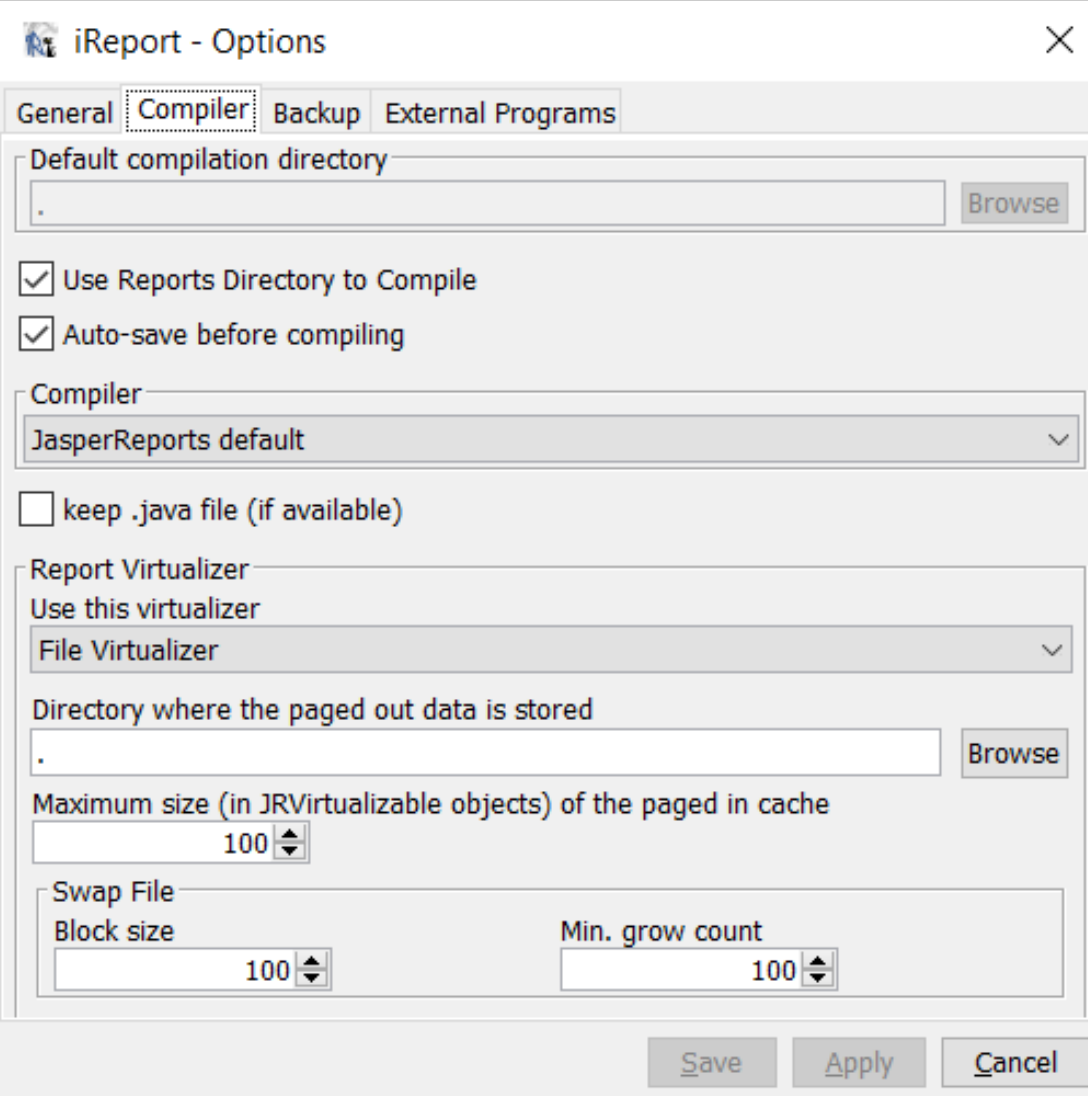
2. In "Compiler" tab, enable the settings :

- ✓ Use Reports Directory to Compile
- ✓ Auto-save before compiling

3. Disable the setting :

x Keep .java file

4. Proceed to the next page



The image shows the "iReport - Options" dialog box with the "Compiler" tab selected. The "Default compilation directory" is set to "." with a "Browse" button. The "Use Reports Directory to Compile" and "Auto-save before compiling" checkboxes are checked. The "Compiler" dropdown is set to "JasperReports default". The "keep .java file (if available)" checkbox is unchecked. The "Report Virtualizer" section shows "Use this virtualizer" set to "File Virtualizer". The "Directory where the paged out data is stored" is set to "." with a "Browse" button. The "Maximum size (in JRVirtualizable objects) of the paged in cache" is set to 100. The "Swap File" section shows "Block size" set to 100 and "Min. grow count" set to 100. At the bottom are "Save", "Apply", and "Cancel" buttons.

iReport - Options

General **Compiler** Backup External Programs

Default compilation directory
.
Browse

☒ Use Reports Directory to Compile
☒ Auto-save before compiling

Compiler
JasperReports default

☐ keep .java file (if available)

Report Virtualizer
Use this virtualizer
File Virtualizer

Directory where the paged out data is stored
.
Browse

Maximum size (in JRVirtualizable objects) of the paged in cache
100

Swap File
Block size 100 Min. grow count 100

Save Apply Cancel

Configure Settings

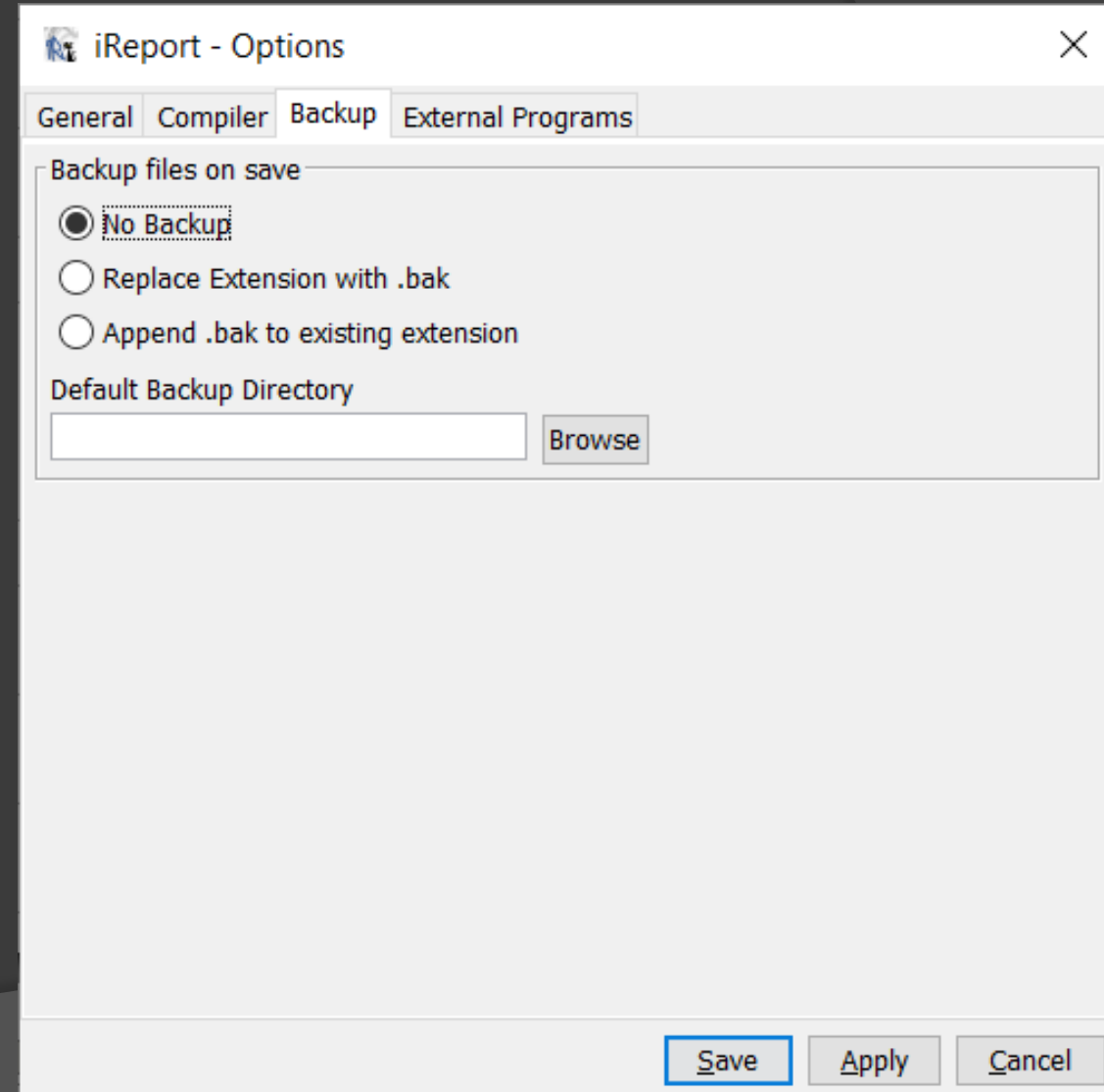
5. In "Backup" tab, choose the option :

✓ No Backup

6. Click "Apply"

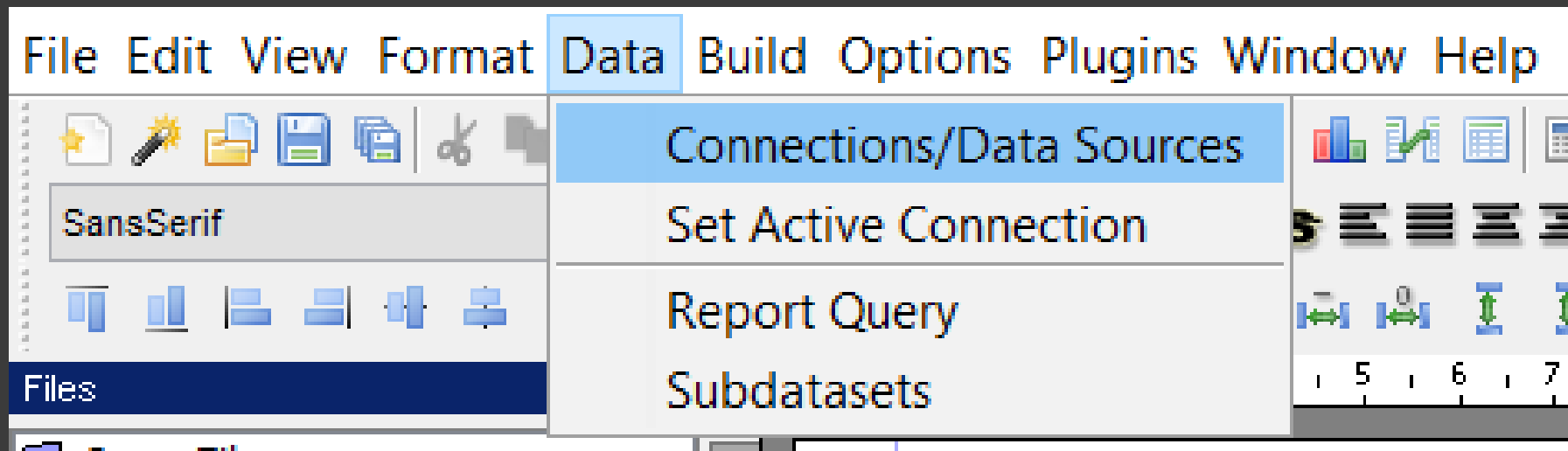
7. Click "Save"

8. Done



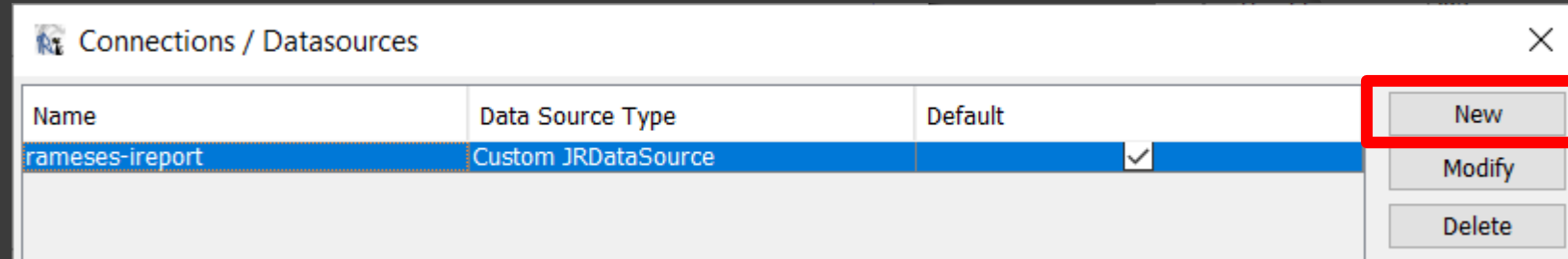
Data Sources Setting

1. Click "Data-> Connections/Data Sources" menu

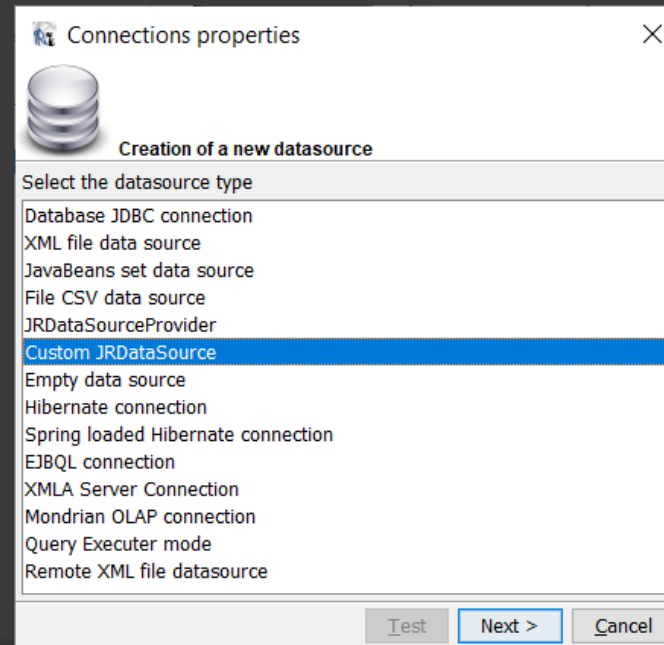


Data Sources Setting

2. Click the "New" button

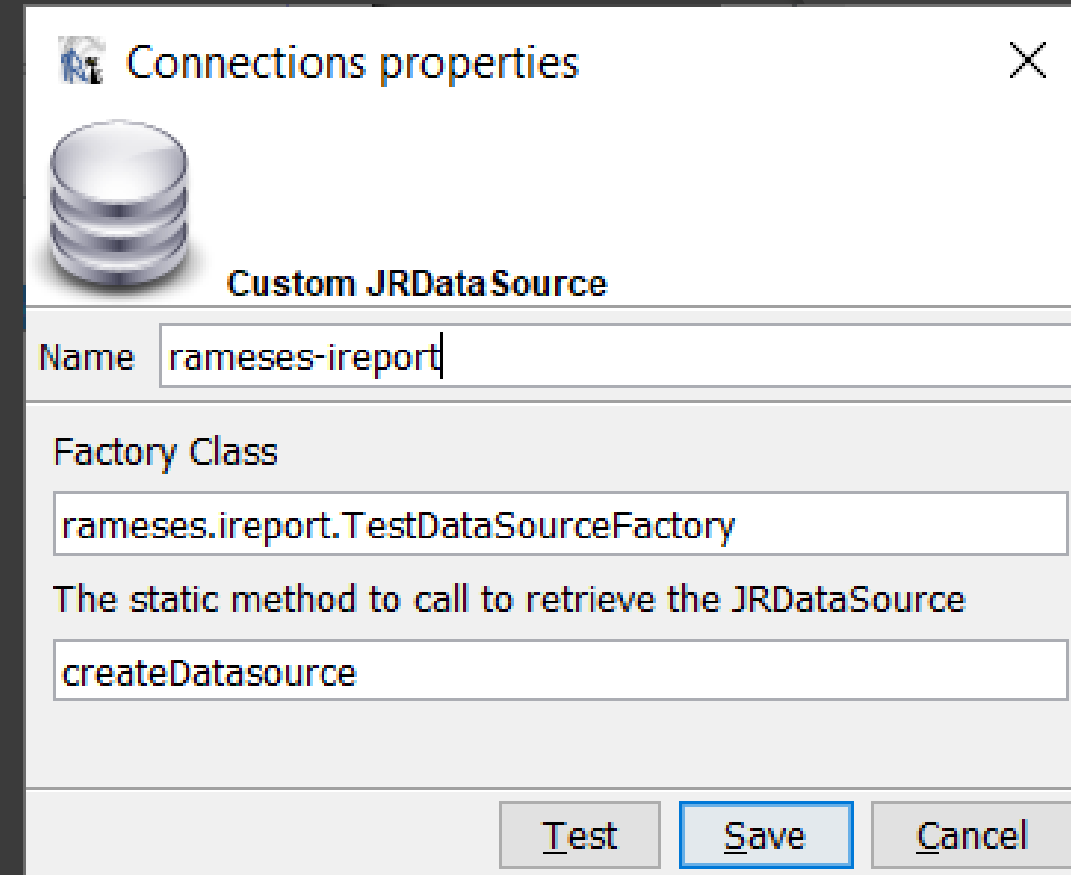


3. Select "Custom JRDataSource" and click the "Next" button




Data Sources Setting

4. Set the connection properties to :
 - Name: rameses-ireport
 - Factory Class : rameses.ireport.TestDataSourceFactory
 - Static Method: createDatasource
5. Click Save
6. Done



Connections properties

 Custom JRDataSource

Name

Factory Class

The static method to call to retrieve the JRDataSource