Open Source B.I. comparative

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Introduction

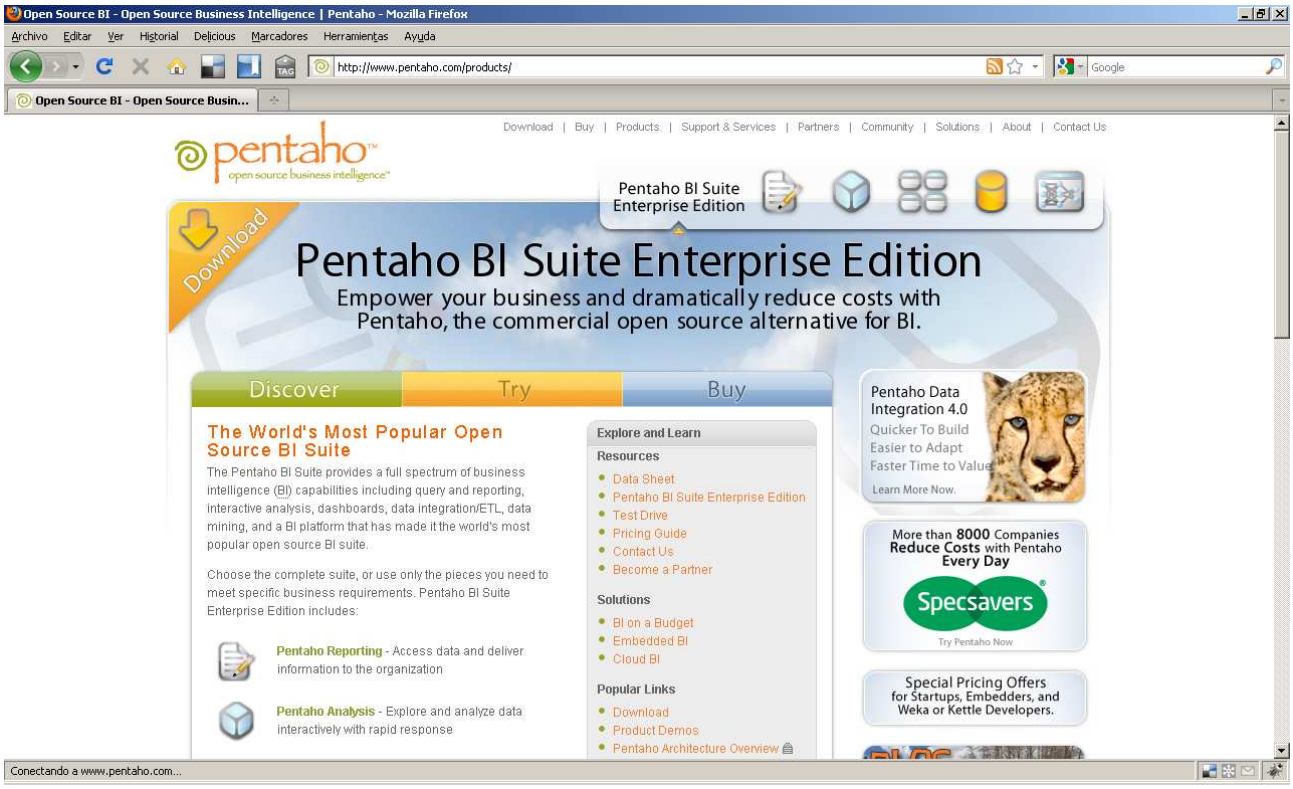
The purpose of this document is to compare the variety of Open Source BI solutions and their Enterprise equivalent that are available at this moment on the market.

Pentaho

Pentaho was created in 2004 and at this moment, it is the leader of the Open Source BI solutions. It offers a large spectrum of resources, and using its own solutions, it is able to maintain and explore a BI project.

Pentaho has built its own BI solution by integrating different existing projects of recognized solvency. For example, Data Integration formerly known as Kettle, in fact maintains its old name as a colloquial name. Mondrian is the other component of Pentaho who is still retaining its own entity.

Web: http://www.pentaho.com

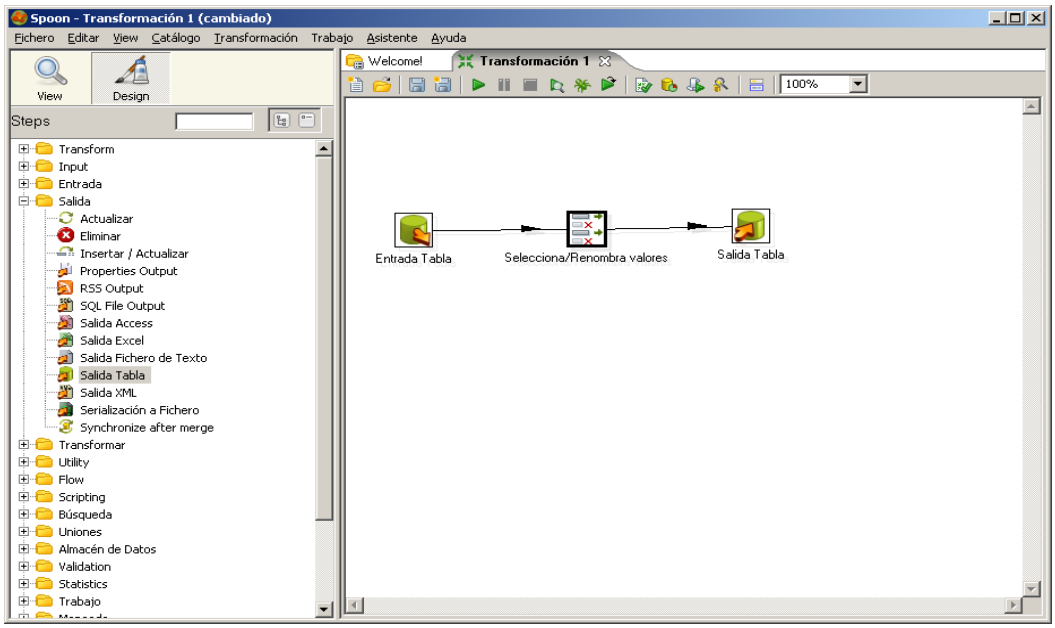


ETL

Pentaho Data Integration (previously Kettle) is one of the most widespread and well rated ETL solutions on the market.

It counts with a long history, solidity and robustness that make it a highly recommended tool.

It allows the transformations to be done in a very simple and intuitive way. All the projects realized with Data Integration are very easy to maintain.



Current version

- 3.2.0-stable

Pros:

- Very easy to use.
- Very easy to mantain.
- Great flexibility to carry out our transformations.

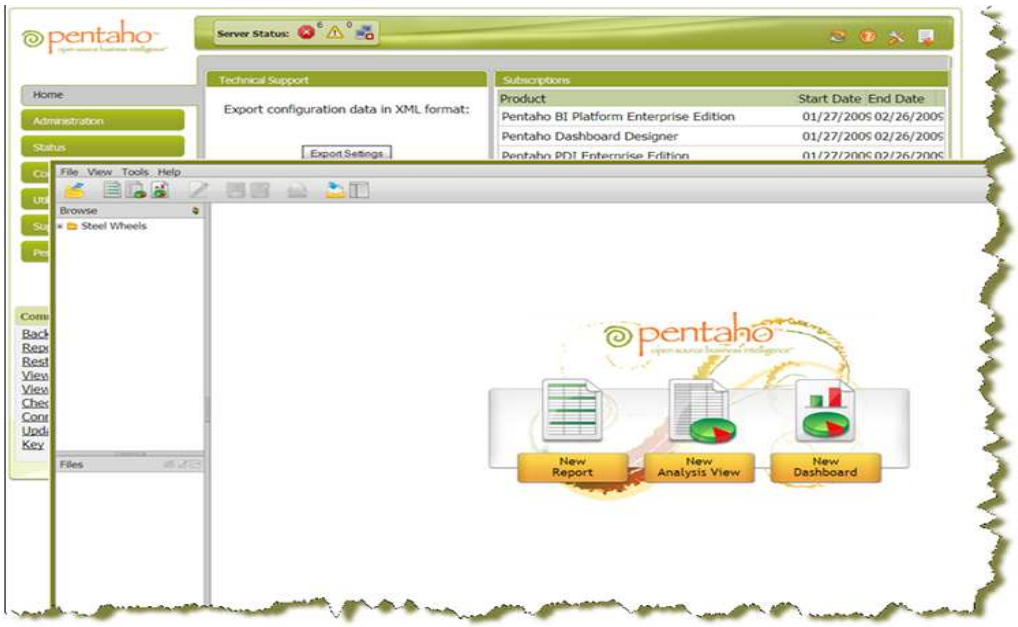
Cons:

- It´s a comple Java solution so that:
  - The visual appearance is not its best virtue.
  - Despite of its very good performance, it will always loose when compared to sql scripts.

Web Application: BI Server

The B.I. Pentaho Server is an application 100% Java2EE that allows us to manage all our resources in BI.

It has a BI user interface where we find all our reports, OLAP views and the dashboards. Access itself as a management console that will allow us to manage and monitor both our application and users. It offers the possibility to know which reports each user query, when they are consulted, the application performance, etc.



Current version: 3.5.2-stable

- Java2EE application 100% extensible, adaptable and configurable.
- The configuration management of both the initial establishment and maintenance is well settled.
- It is integrable in most environments and able to communicate with other applications via webservices.
- It integrates all the information resources into a single operation.
- Provides all the freedom that the users and developers need to create new content.
- Exploitation of their resources as SOAP webservices.

Differences between the enterprise version and version community:

- OLAP Viewer (Community Edition JPivot Vs the Analyzer for the Enterprise).
- Dashboards (CDF for the EC Vs Dashboard Designer for EE).

Pentaho Reporting

Pentaho provides a complete reporting solution, covering all aspects required in any environment reports. The Pentaho reporting tool is the old JfreeReport. Although from the version 3.5 has been completely rewritten, Pentaho Reporting Provides is a complete tool.

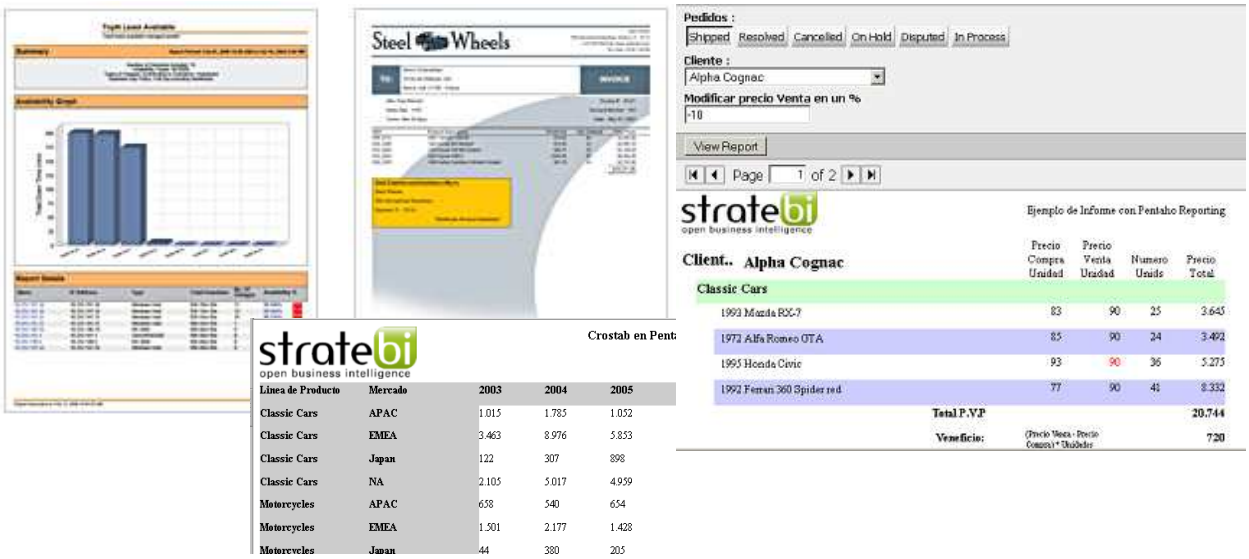
- Provides a tool for reporting (Pentaho Reporting).
- Provides runtime
- It provides a Metadata tool for conducting Add-hoc reports.
- Provides a user interface that allows ad-hoc reports (WAQR)

Current version: 3.6.0-stable

Pros:

- It provides an intuitive client tool that allows reports to be made easily, including a step by step guide.
- Allows reports through a java API http://javadoc.pentaho.com/reporting/
- It allows multiple types of reports.

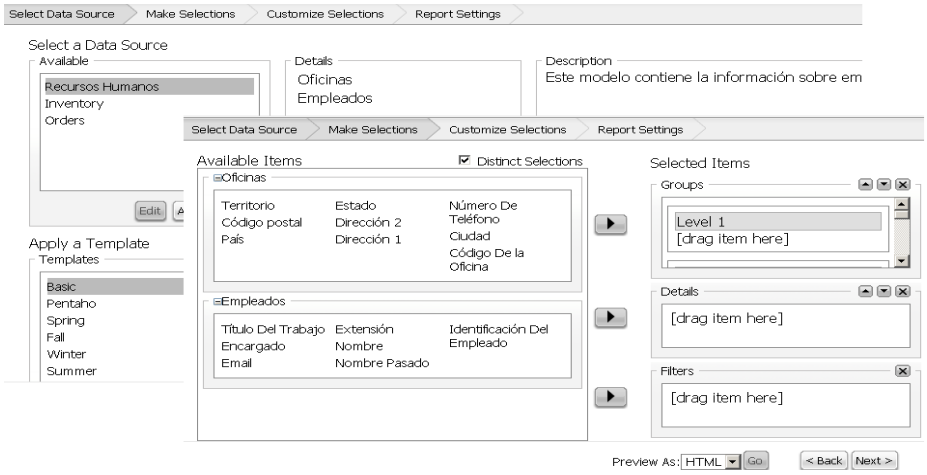
- Classics reports with different levels of grouping, multiple columns, sub-reports.
- Reports with charts, with added interactive parameters.
- Export to different document types (html, html pages, excel, pdf, plain text)



Algunos ejemplos de informes

Cons:

- At the moment, the crosstabs reports (Crosstabs) exit,but only as experimental feature.
- The interface for add-hoc reports is a bit outdated and lacks the features that others offer as a validation of queries.



Interface Add-hoc reports (WAQR)

Differences between the enterprise version and community version:

- Licensed code and support.

OLAP : Mondrian

OnLine Analitical Processing is the technology that allows us to organize information in a dimensional structure that will provide the possibility of moving “through” information, moving on its dimensions.

Mondiran is the OLAP engine of Pentaho, although it can be integrated independently on any other platform. In fact, along with Data Integration, Mondrian is the component which it is used more frequently in an independent way.

Mondrian is a Hybrid OLAP engine that combines the flexibility of a ROLAP engine with a caché that provides the necessary speed.

Current versión: 3.0.4

Pros:

- It is a widely used engine, consolidated in Java environments
- It is the de facto engine for most of the Open Source BI solutions .

Cons:

- It does not allow write-back as MOLAP engines do, for example PALO or Analysis Services

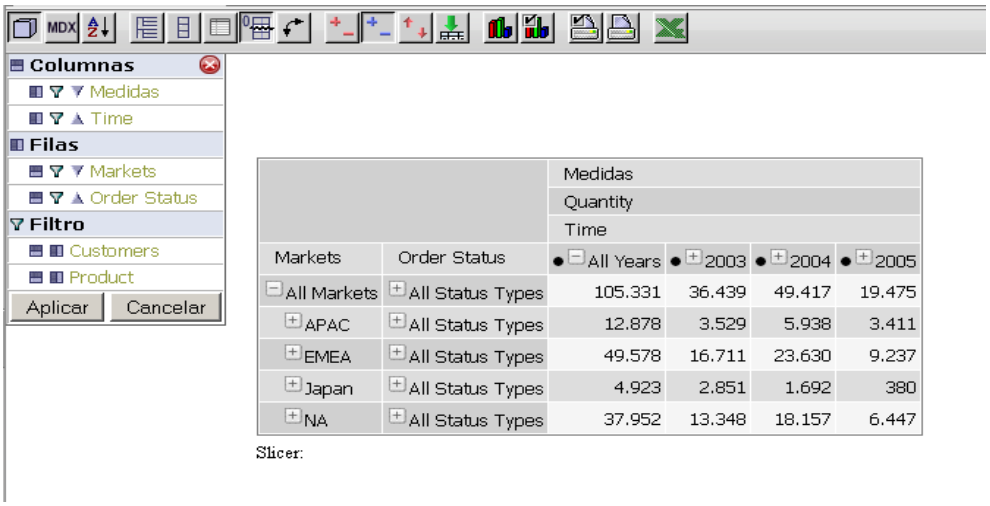
Differences between the enterprise version and community version:

- Licensed code and support.

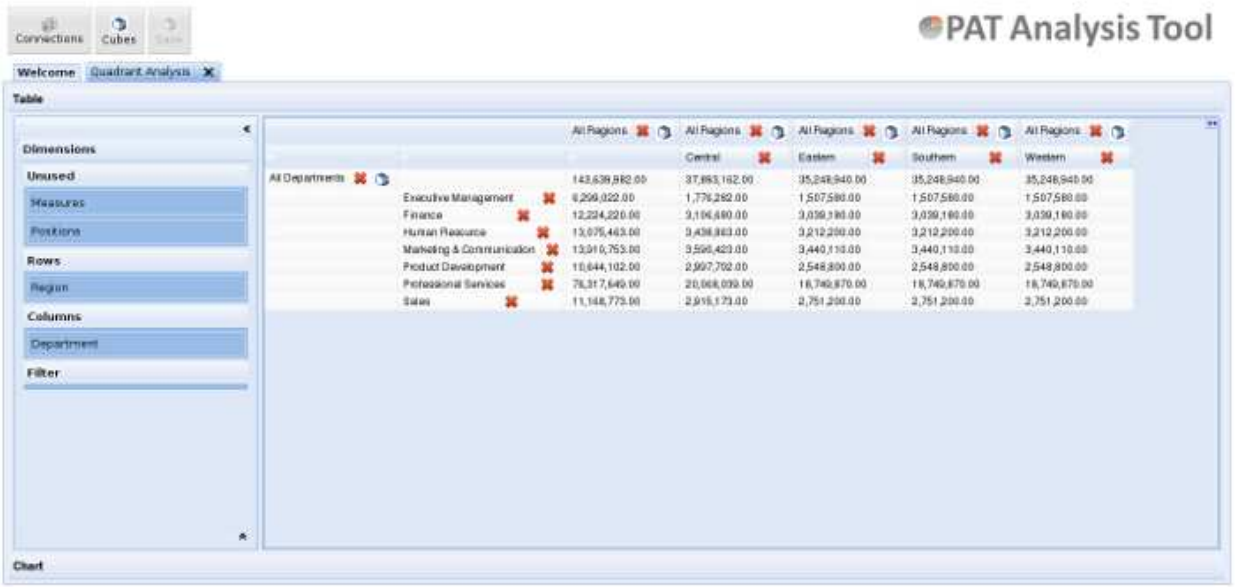
OLAP Viewer

At the moment there are 3 (2 +1) OLAP viewers in the Pentaho suite:

- JPivot: OLAP viewer with great experience, robust and reliable but outdated. It is, by default, the viewer in Community version.



- Pentaho Analyzer: OLAP Viewer that comes with the enterprise version. More modern and easier to use than JPivot. It provides an AJAX interface that allows great flexibility in creating the OLAP views.
- P.A.T: Pentaho Analysis Tools. It's current 0.6 version it is called to be the replacement of JPivot as OLAP viewer in the Community version. It is a GWT based viewer that allows great flexibility. Unfortunately, it is still in an unstable state.



Dashboards

Pentaho provides the possibility of making scorecards through the web interface using the Dashboard Designer. This possibility exists only in the Enterprise version. There is no tool for Add-hoc dashboards in the Community version.
For making the dashboards in the Community version there is Community Dashboard Framework, which allows us to develop our dashboards using only HTML, CSS and JavaScript.

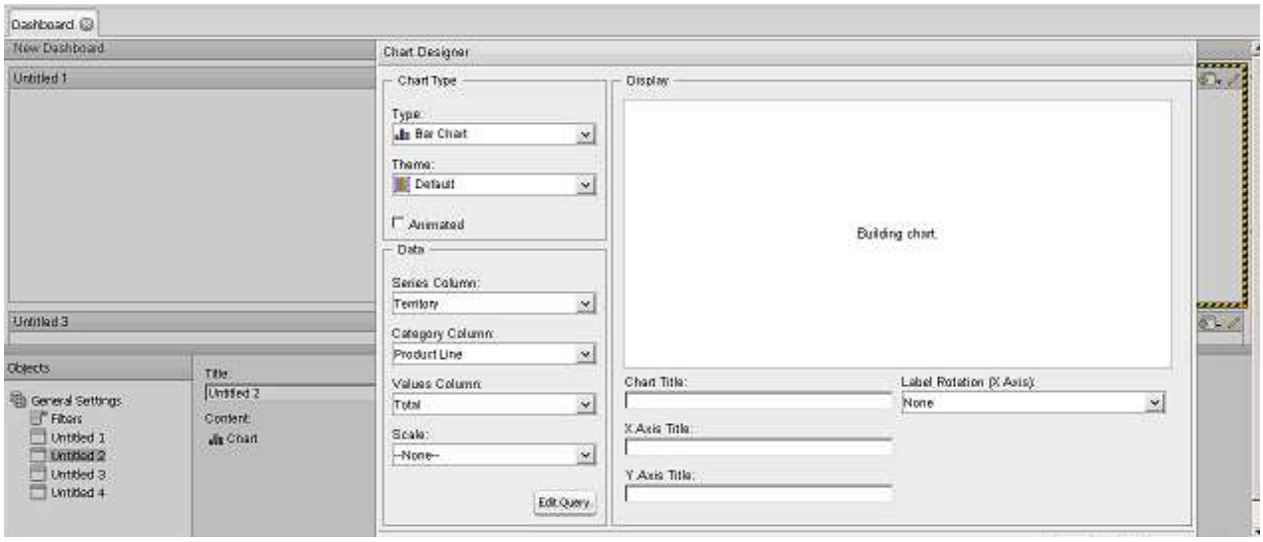
Dashboard Designer

Current Version: included in the BI Server
Pros:

- Allows creating Add-hoc dashboards
- Allows creating dashboards based on Metadata or on SQL Query

Cons:

- The learning curve is high.



C.D.F.

Current Version: included in the BI Server

Pros:
• Allows creating dashboards in a quickly, organized way.
• Allows greater flexibility by offering a wide range of components and options
• There is an embryonic Dashboard Community Editor allowing to create Add-hoc dashboard but it is still an incipient phase.

Cons:
• It is a development framework. Programming it is a must!

Pentaho Summary Table

Characteristic	Comunity Edition	Enterprise Edition
Pentaho Data Integration (Kettle)		
BI Server		
Reports		
Predefined Reports		
Add-hoc Reports		
OLAP Engine		
OLAP Viewer		
Dashboards		
Add-hoc Dashboards		

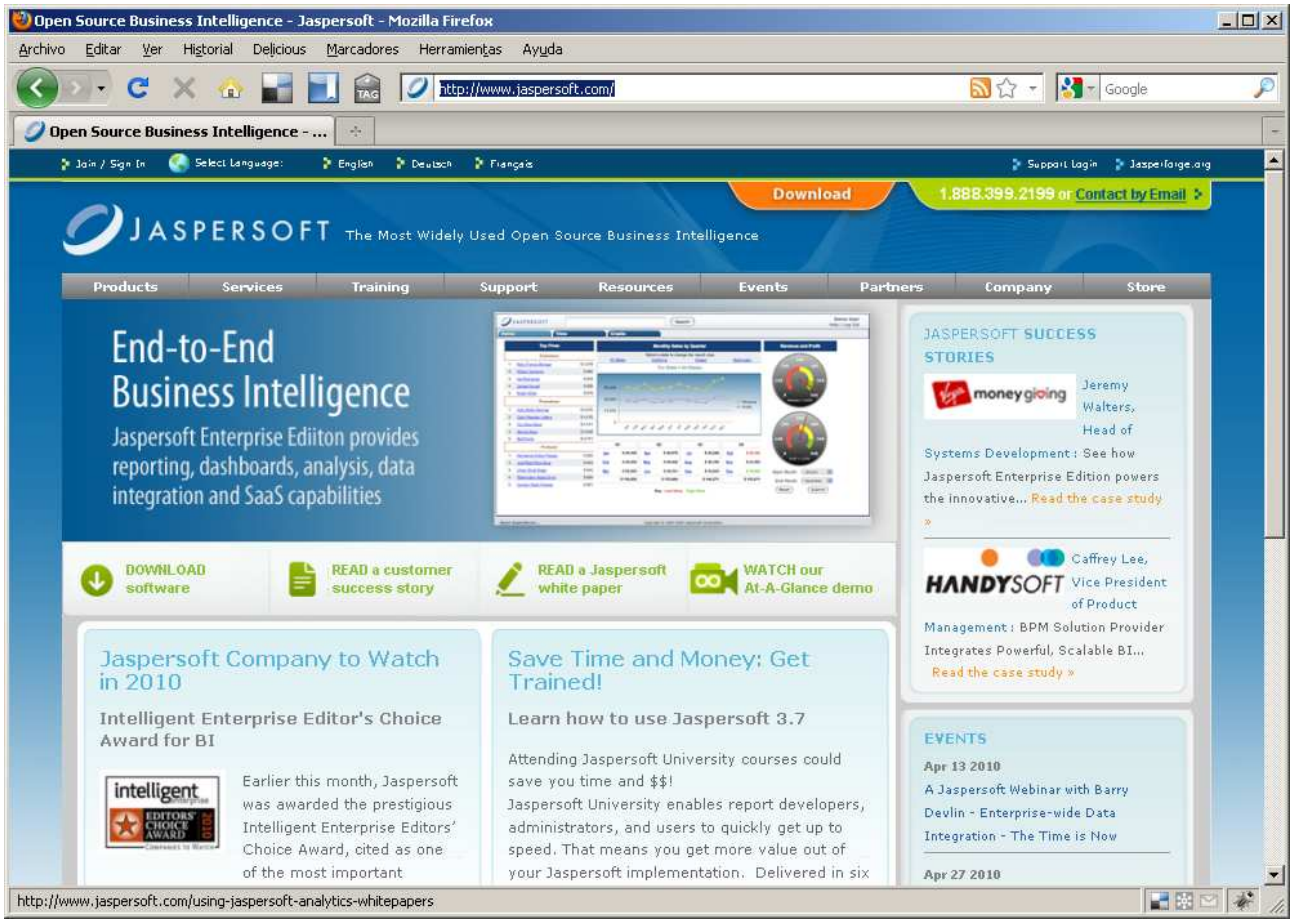
 = Good  = Middle  = Bad

Jasper

Jaspersoft is the company behind the famous and widespread JasterReports, an Open Source reporting solution preferred by most developers to embed in any Java application that requires a reporting system.

Jaspersoft has built its own B.I. solution around its reporting engine. It has done it in a way different from Pentaho. Jasper has integrated into its existing projects also settled and established solutions but has not absorbed them. This strategy makes it "depend" of Talend in terms of ETL and Mondrian solutions- Pentaho for the OLAP engine. At this point I would like to remark the importance of the fact that both are Open Source solutions, but the dependence of a direct competitor, like Pentaho, continues to be a risk factor. This is not a problem given the nature of both Open Source projects. Jasper has Mondiran access code and can adapt and continue the developments of any part of Mondrian.

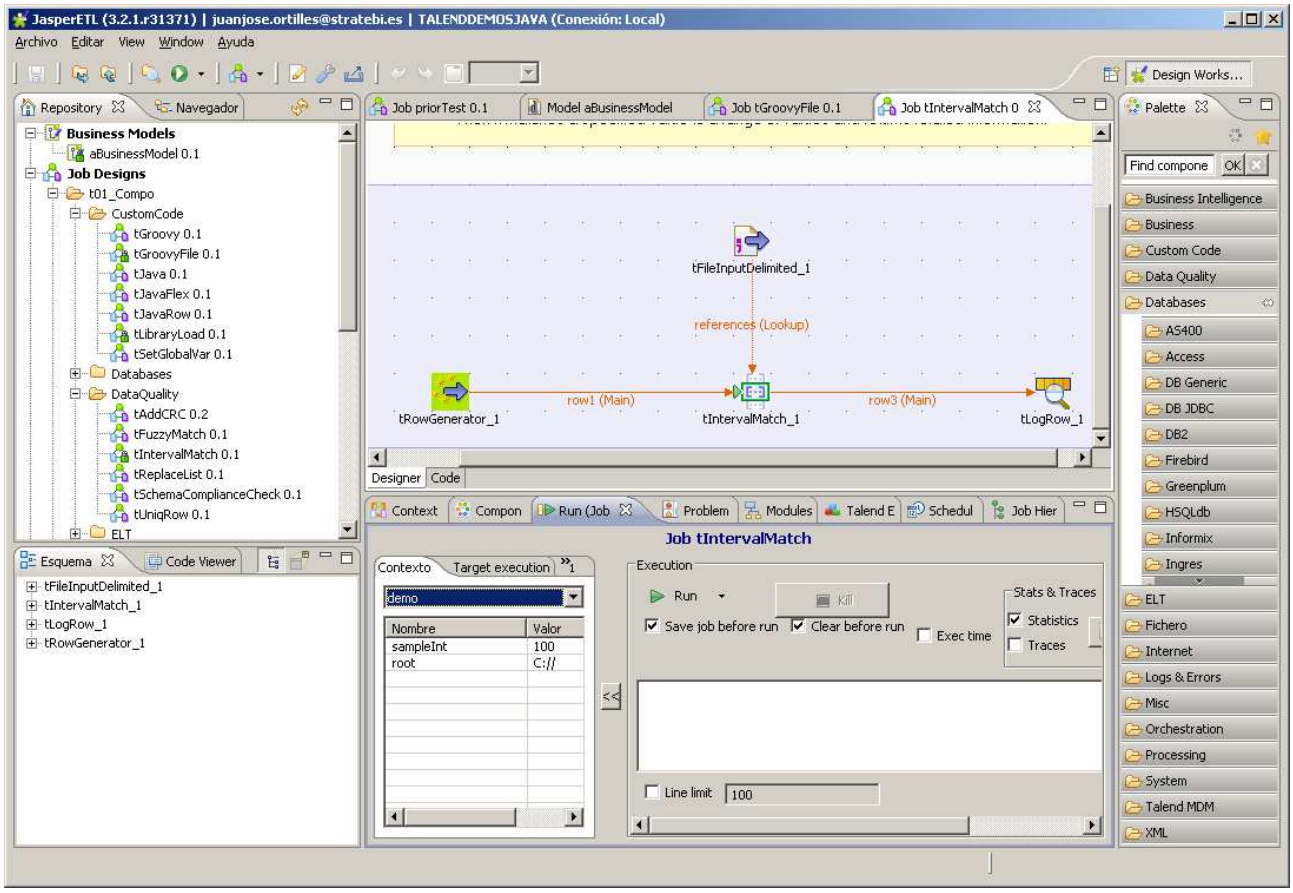
http://www.jaspersoft.com/



ETL : JasperETL (Talend)

JasperETL is actually Talend Studio. It is "the other major ETL solution." Talend, unlike Kettle has not been absorbed by Jasper and remains an independent company that offers its products independently. In fact, while Talend Studio is its flagship product, Talend has other interesting products in its portfolio such as Talend MDM.

The way of working with Talend is also fairly intuitive and visual, although internally, the approach is completely different. Talend is actually a code generator. I mean. The result of a Talend ETL project is native Java or Perl code. By this, I mean that it allows you to compile and generate a war in the case of java. Talend is more orientated toward a user-programmer type, with a higher expertise level than the one Kettle required. In contrast, the flexibility it offers is absolute.



Current version: 3.2
Pros:

- The ETL are Java / Perl native code so that in the execution time performance is very good. Better than the one Kettle offers, making it a good choice if this is a critical factor.
- Projects can be exported as web services. This means that a war file can be generated and than deployed in a Tomcat / Jboss as a web application, then you can invoke the ETL via a URL in your browser, although this is a dangerous practice.
- You can generate an executable or a war so does not depend on ETL engine versions. It is completely independent.

Cons:

- The largest con is the development environment because it is based on Eclipse and has a very high demand for machine development environment
- The following is the learning curve and entry requirements.
- It is more complicated to debug the flow than Kettle:
  - Debugging the code can be done with the Eclipse debugger, setting breakpoints and so

on.
- It has many traps and tricks when operating the components.

Differences between the enterprise version and Community version:

- Regarding JasperETL, there is no difference except the support part.
- Regarding Talend:
  - The Open Source version (Open Studio) offers:
    - A complete ETL solution.
  - The Enterprise version (Integration suite) offers many improvements and additions such as:
    - Data Quality.
    - Wizards & Data Preview.
    - Auto Documentation.
    - Metadata Import.
    - SVN.
    - and so on, a long list : (http://www.talend.com/products-data-integration/matrix.php)

Aplicación Web: Jasper Serve.

The Jasper Server is a 100% Java2EE that allows us to manage all our BI resources.
The general appearance of the Web application is a bit minimalist without reducing its power. Having all our resources always available on the top bar of buttons, Jasper is 100% functional application and it has all the necessary resources for our BI analysis.

Current version: 3.7
Pros:

- Java2EE application 100% extensible, adaptable and customizable.
- The configuration management is very well resolved. It allows doing almost everything through the same Web application.
- Integrates all data resources into a single operating platform
- Add-hoc Reporting Editor is the best resolved. So well, so that it is possible we will choose this solution only for its merit.

Cons:

- The OLAP viewer is JPivot , including the Enterprise version, but with a layer of makeup. It does not offer many possibilities.
- Dependence on third parties (Mondiran - JPivot) is a potential problem to consider

Differences between the enterprise version and Community version:

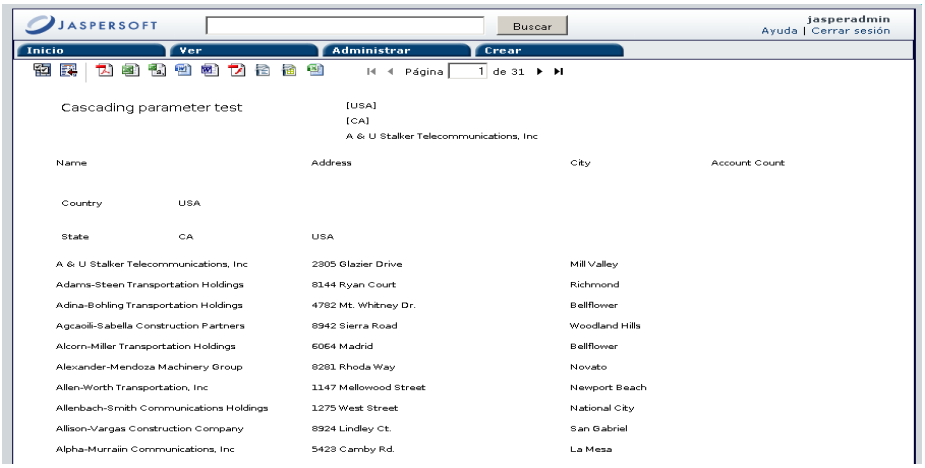
- There are so many differences and so significant, that it could be summarized by saying that most of the comparative advantages over its competitors it stands in the enterprise version.
  - Ad-Hoc Reports
    - Ad-Hoc Dashboard
  - Ad-Hoc Metadata
  - OLAP Schema Workbench
  - ...

- See the full list http://www.jaspersoft.com/editions

REPORTS

As we have said, the reporting engine is the heart of the solution of JasperSoft. The solution provides:

- Development Environment: iReport. An environment based on NetBeans, what makes it demanding with the resources of the machine. In return it offers a great flexibility.
- Mentadata web System (Domains). This one, together with ad-hoc reports are the strengths of this solution.
- Web interface for ad-hoc reports, really well resolved.
- The runtime JasperReports engine is widely known and used in many projects where a solvent reporting engine is needed.
- Reports can be exported to PDF, HTML, XML, CSV, RTF, XLS and TXT.



Current version: 3.7

Pros:
• It is the fastest Open Source reporting engine in the world.
• It is the Open Source reporting engine most widely used.
• There is a large volume of documentation and resources.

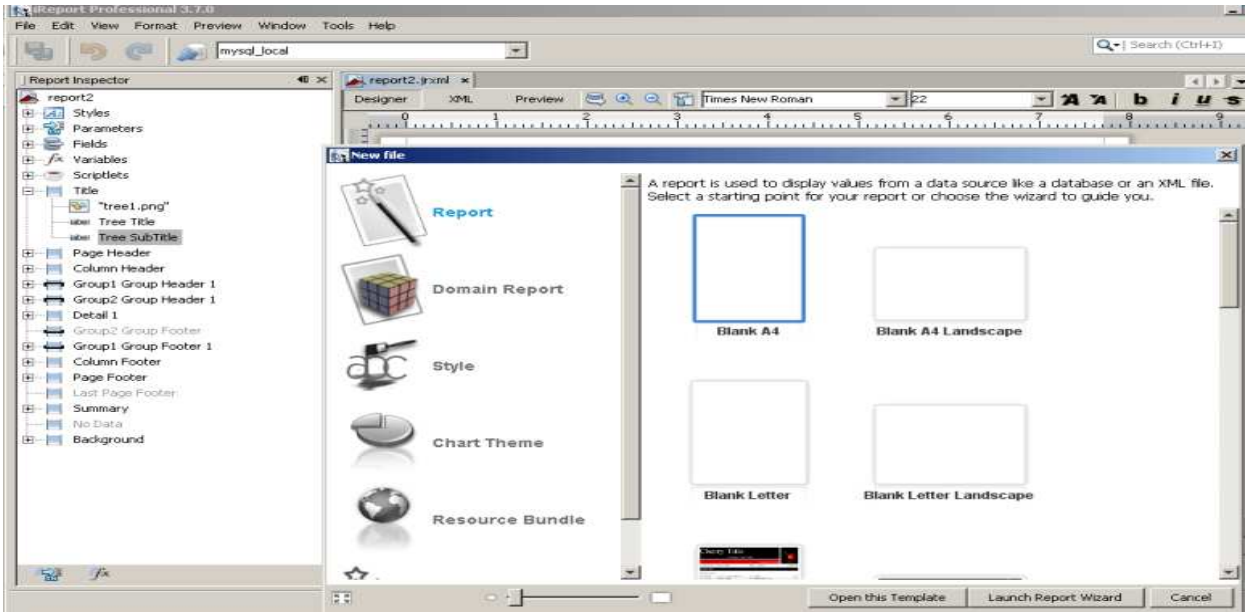
Cons:
• The final aspect of the reports has been a bit outdated and it needs to improve.

Differences between the Enterprise version and Community version:
• Support

Predefined

IReport

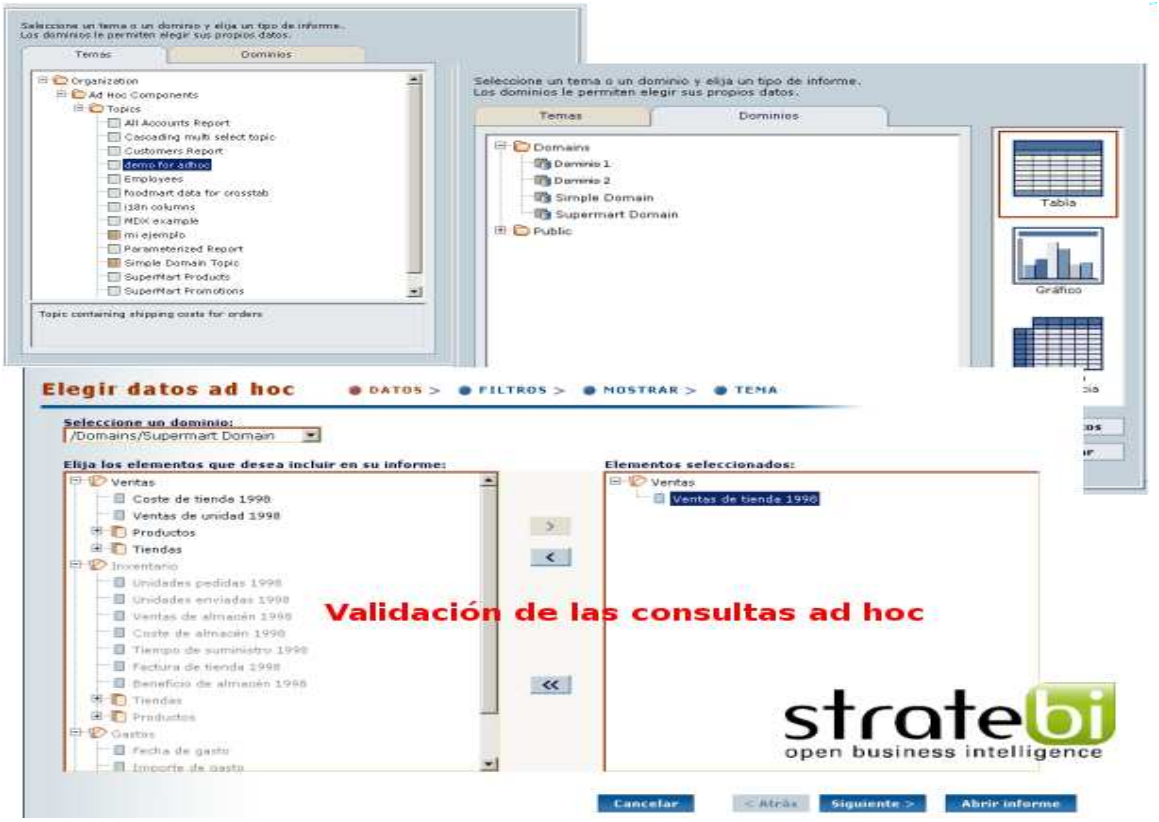
IReport is a work environment that allows a large number of features. It is a similar situation to Talend situation, that is a framework with greater demands as a result of offering a large number of possibilities.

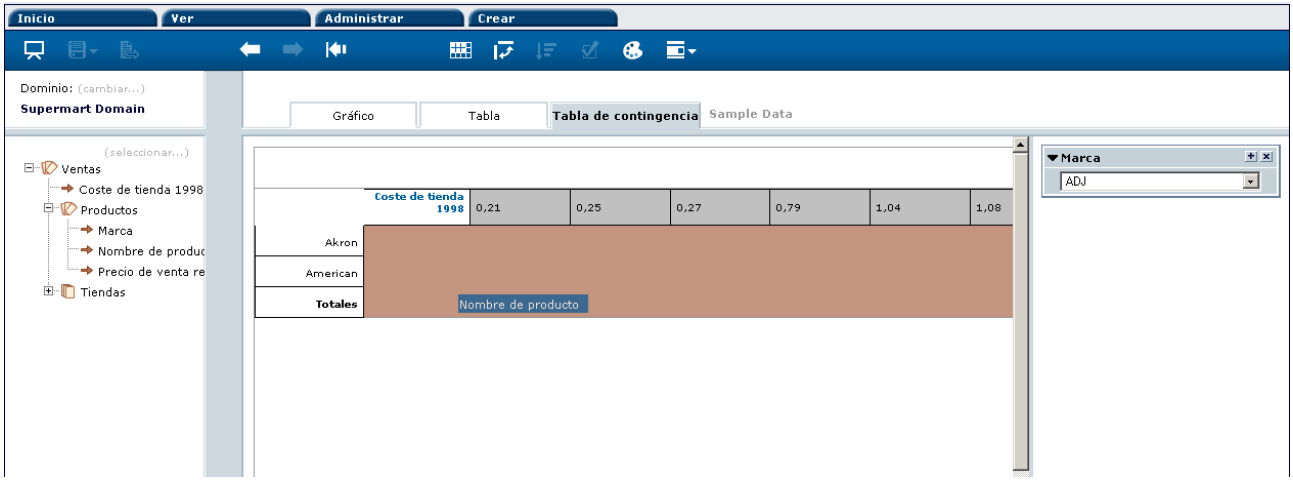


AD-HOC

This is the real strength of the Jasper solution. The ad-hoc reporting editor is better structured and with better features within the ones we are analyzing. If you just want to make on-line reports, this is our choice without a doubt!

- Selection of different types of templates and formats.
- Choice of data sources.
- On-line validation of the consultation.
- Reports creation by dragging fields to the desired location.
  - Tables
  - Graphics
  - Crusades Tables (Pivot)
- Publication of all aspects of the reports.


Elegir datos ad hoc
DATOS >
FILTROS >
MOSTRAR >
TEMA
Seleccione un dominio:
/Domains/Supermart Domain
Elija los elementos que desea incluir en su informe:
Elementos seleccionados:
Validación de las consultas ad hoc
Cancelar
< Atrás
Siguiente >
Abrir informe


Inicio
Ver
Administrar
Crear
Dominio: (cambiar...)
Supermart Domain
Gráfico
Tabla
Tabla de contingencia
Sample Data
Ventas
Coste de tienda 1998
Productos
Marca
Tiendas
Coste de tienda 1998
0,21
0,25
0,27
0,79
1,04
1,08
Akron
American
Totales
Nombre de producto
Marca
ADJ

Pros:

- Friendly interface, simple, intuitive and easy to use.
- Creation of all types of content
  - Tables
  - Graphics
  - OLAP Views
- Outstanding flexibility and power.

Cons:

- The validation of on-line data can slow down the interaction.
- All these special features are in Entreprise version.

Differences between the enterprise version and community version:

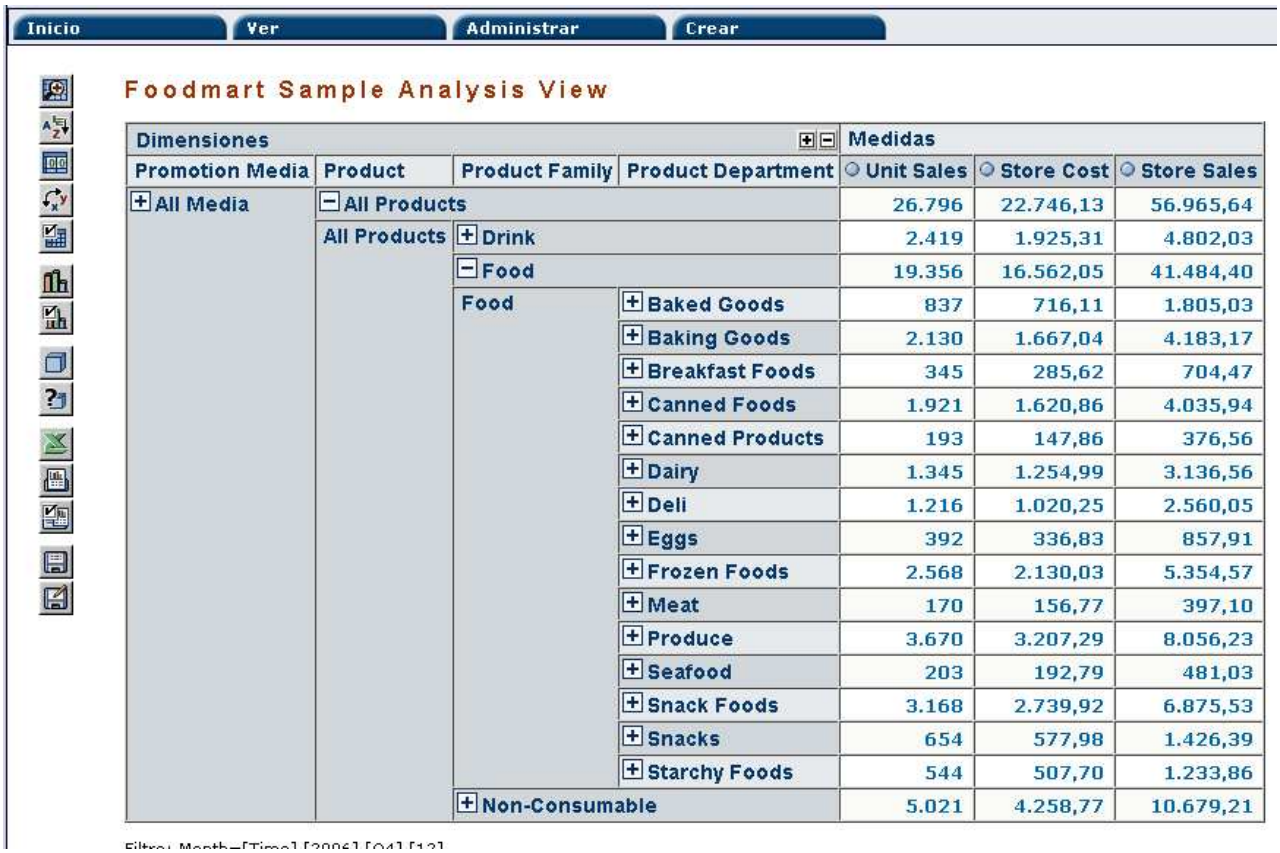
- Not available for community version.

OLAP

The OLAP engine that is using Jasper Server is Mondiran, already mentioned in the section of Pentaho.

Viewer: JasperAnalysis

It is the same JPivot with a layer of makeup; but we must mention the extraordinary work they have done in the ad-hoc editor.



Dimensiones				Medidas		
Promotion Media	Product	Product Family	Product Department	Unit Sales	Store Cost	Store Sales
All Media	All Products			26.796	22.746,13	56.965,64
	All Products	Drink		2.419	1.925,31	4.802,03
		Food		19.356	16.562,05	41.484,40
		Food	Baked Goods	837	716,11	1.805,03
			Baking Goods	2.130	1.667,04	4.183,17
			Breakfast Foods	345	285,62	704,47
			Canned Foods	1.921	1.620,86	4.035,94
			Canned Products	193	147,86	376,56
			Dairy	1.345	1.254,99	3.136,56
			Deli	1.216	1.020,25	2.560,05
			Eggs	392	336,83	857,91
			Frozen Foods	2.568	2.130,03	5.354,57
			Meat	170	156,77	397,10
			Produce	3.670	3.207,29	8.056,23
			Seafood	203	192,79	481,03
			Snack Foods	3.168	2.739,92	6.875,53
			Snacks	654	577,98	1.426,39
			Starchy Foods	544	507,70	1.233,86
		Non-Consumable		5.021	4.258,77	10.679,21

Dashboard: Dashboard Designer.

Predefined

It is not makes much sense given the designer panels. In any case, to be a Java platform, we can always include our developments.

Ad-hoc: Dashboard Designer.

We are back to a web editor really easy and simple to use, but consider that it is available only in an Enterprise version. I repeat, there is one of the factors that may tilt the balance of our decision.

Pros:

- Really simple to use interface.
- Availability of all our items to be included in our panel.
- Outstanding flexibility taking into account that is a web editor.

Cons

- The on-line data validation can slow down the interaction.
- All these special features are in Enterprise version.

Differences between the enterprise version and the community version:

- Not available for the community version.

Jasper Summary Table

Property	Community Edition	Enterprise Edition
JasperETL (Talend)		
Jasper Server		
Reports		
Predefined Reports		
Ad-hoc Reports		
OLAP Engine		
OLAP Viewer		
Dashboards		
Ad-hoc dashboards		

 = Good  = Regular  = Poor or it is not exist

Actuate – BIRT

Actuate is the company behind BIRT (Business Intelligence Reporting Tools), a plugin for Eclipse that enables us to make extremely powerful reports.
Presented at the 2005 EclipseCon, BIRT proposes a new way to create reports much more modern and flexible, with so many possibilities:

- Dynamic Reports
- Intern OLAP engine.
- Cross-Tables
- Scripting in different stages of implementation of reports.
- Export to different types of documents.
- Provides unlimited power to invoke Java classes.
- Integration with Eclipse

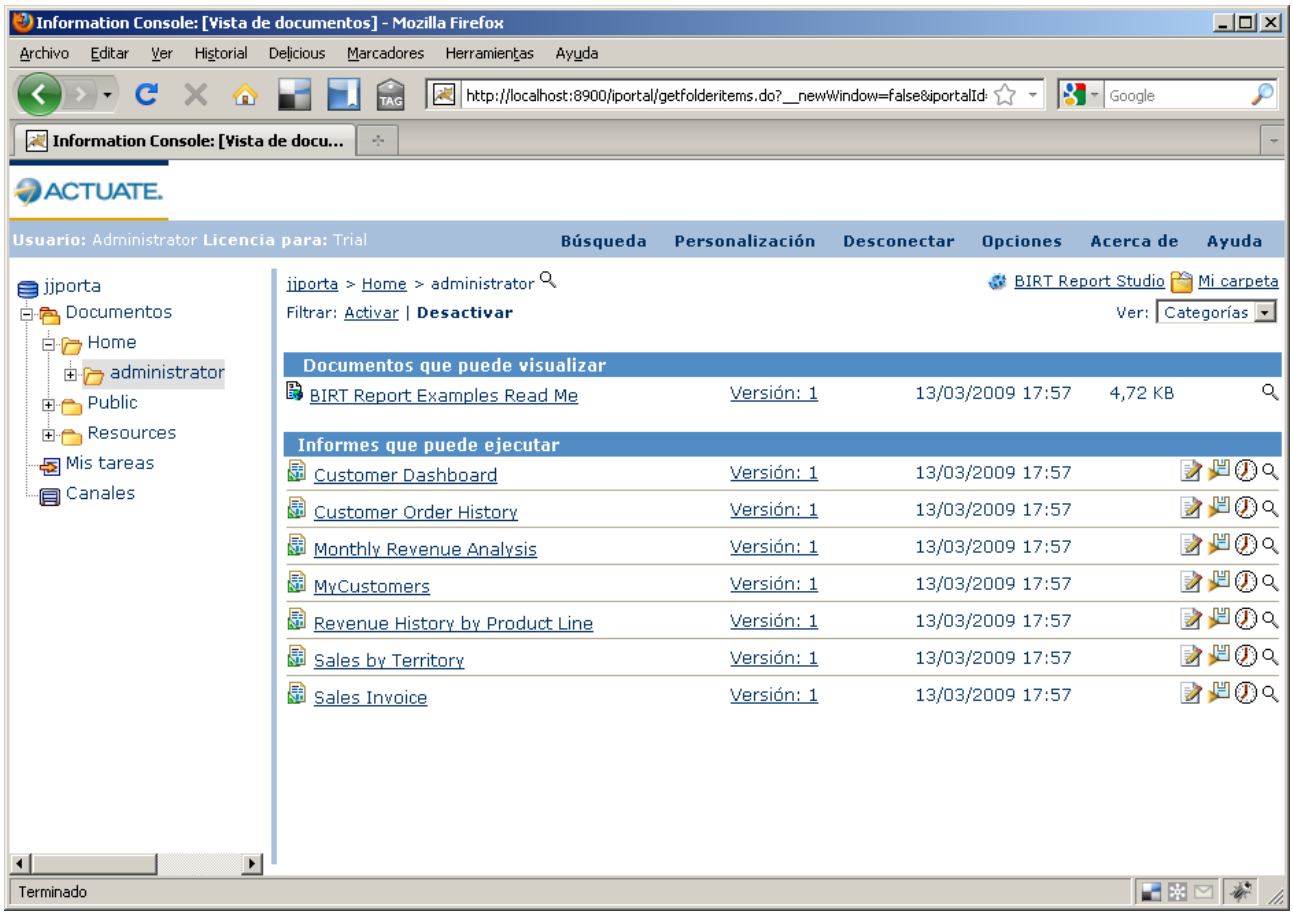
Birt began as a set of reporting tools and has become the preferred reporting engine when we need to perform complex and advanced reports.

ETL

None.

Web Application: Iserver

The server provided by Actuate it is available only in Enterprise version that situates it in the worst position.
It is its visual appearance the least successful of all and it is a tool that seems to be created for developers rather than for the users.
It remains only a web application where my resources are stored in a folder system and provides me a web interface for new reports.



Current Version: 10

Pros:

- The power of BIRT

Cons:

- It is too rough

Differences between the enterprise version and community version:

- No community server version.

Reports

In return we must know how to do that. Carry out simple reports is relatively simple but complex reports do require a degree of experience according to the needs / demands.

Distributed as a version of eclipse (http://www.eclipse.org/birt/phoenix/) or as an installable plugin, BIRT allows us to make any report imaginable.

Reports produced Birt Eclpse generates an .rptdesing file to be implemented for any J2EE application with the Birt runtime installed.

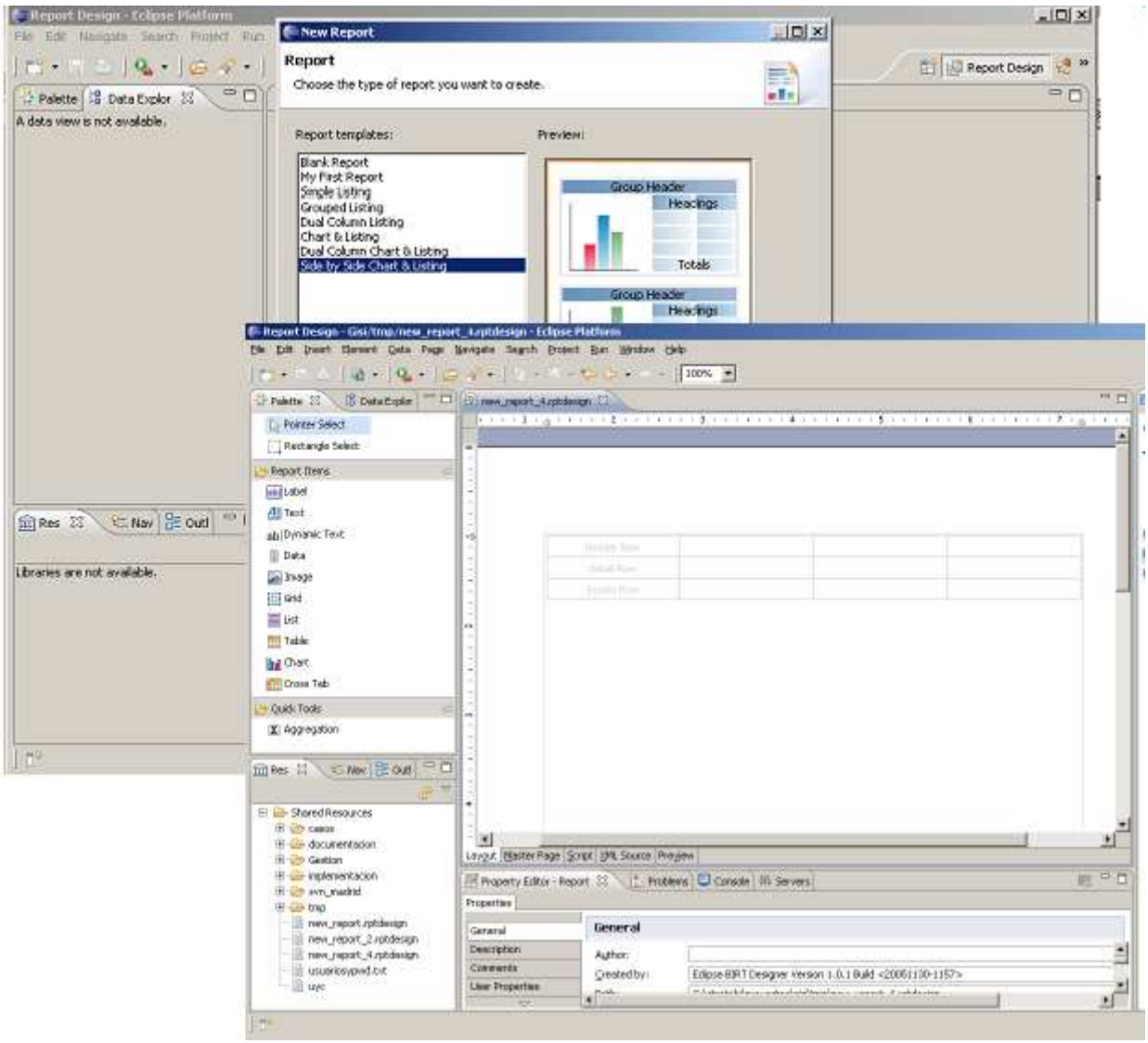
Current Version: 2.5.2
Pros:
• Versatility
• Features
• Productivity
• Ability to integrate reporting into any J2EE application

Cons:
• steep learning curve
• "It is a tool for programmers."
• The editor (eclipse + plugin) is quite demanding in terms of resources is concerned.

Differences between the enterprise version and community version:
• Support.

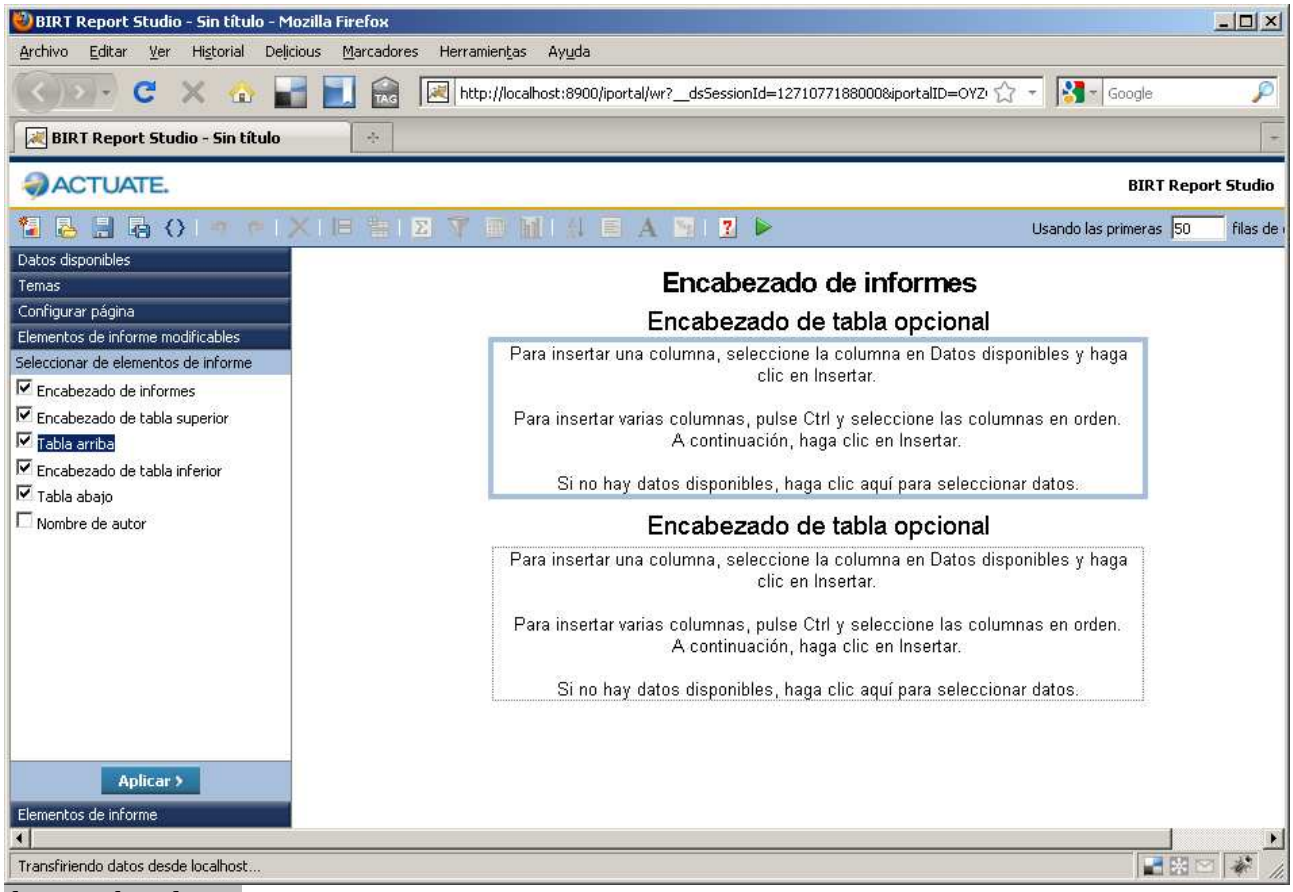
Predefined

As already mentioned the reports produced with Birt are extremely versatile. Birt A report may contain a large number of items available in our range of designers. And if we want to include some more, just have to import it.
Similarly, all components of our reports have a number of associated events in which we can access the element and modify its properties.


New Report
Report
Choose the type of report you want to create.
Report templates:
Blank Report
My First Report
Simple Listing
Grouped Listing
Dual Column Listing
Chart & Listing
Dual Column Chart & Listing
Side by Side Chart & Listing
Preview:
Group Header
Headings
Totals
Group Header
Headings
Report Design
A data view is not available.
Libraries are not available.
Pointer Select
Rectangle Select
Report Items
Label
Text
Dynamic Text
Data
Image
Grid
List
Table
Chart
Cross Tab
Quick Tools
Aggregation
Layout
Master Page
Script
XML Source
Preview
Property Editor - Report
Problems
Console
Servers
Properties
General
Description
Comments
User Properties
Author:
Created by:
Eclipse BIRT Designer Version 1.0.1 Build <20061130-1157>

Ad-hoc

Actuate Iserver provides a web interface to design our own reports from the server itself. It is an extrapolation of what we have in eclipse but a very simplified web interface. Unfortunately it has so many options to cover yet, that it lacks much to be able to provide something similar to what can



done with Eclipse.

OLAP

It exists only as internal engine to perform cross tables embedded within a report.

Dashboards

You can use your reports produced with Birt for creating 100% functional dashboards. But the Iserver does not provide dashboards.

Summary Table Actuate – Birt

Feature	Comunity Edition	Enterprise Edition
ETL		
Iserver		
Reports		
OLAP Reports		
Dashboards		

 = Good  = Regular  = Poor or it is not exist

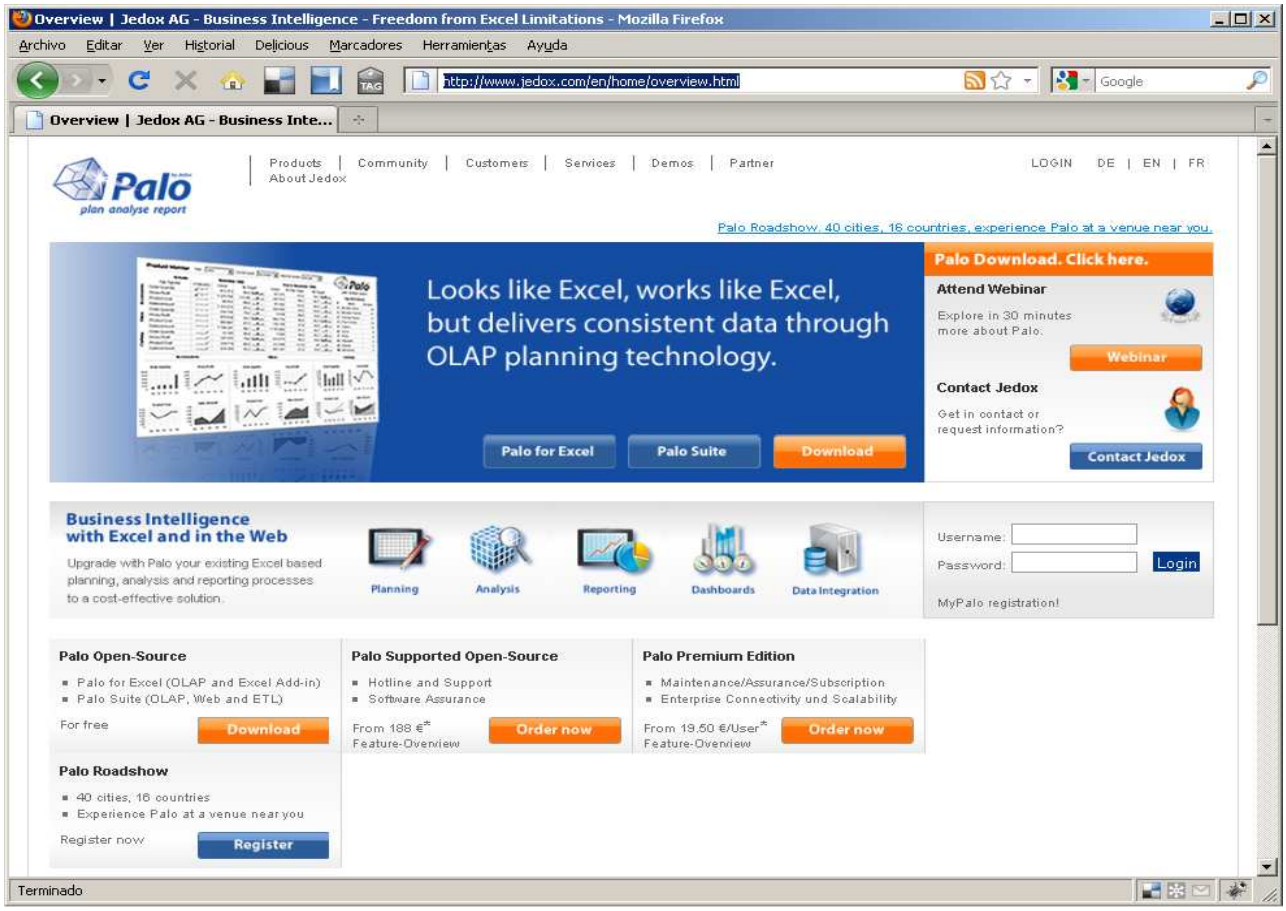
Palo

Palo is the MOLAP engine, implemented by Jedox Company. The whole B.I proposal of Jedox revolves around MOLAP engine which is its distinguishing feature. If we implement a traditional data warehouse where the data are static and unchanging, Palo is not our solution. On the other hand, if we want to implement a BI environment where to be able to perform simulations, draw various scenarios and work with manipulating data to see the different possible outcomes, then PALO IS our solution.

The most important feature that contributes Palo, being MOLAP is that enables you to edit the values and propagate changes based on business rules, create formulas for simulations, create scenarios, etc.

Initially Palo MOLAP engine was programmed in C + + and a MS Excel plugging that allowed us to use the data from there. This nucleus initially grew with Palo Jpalo and Web client. It is a java API to attack the engine from Java and a web application that allowed us to explore our dashboards from your browser.

Recently this has been integrated into the Palo Suite: a complete solution that provides the ETL, the engine and a web interface to exploit it. http://www.jedox.com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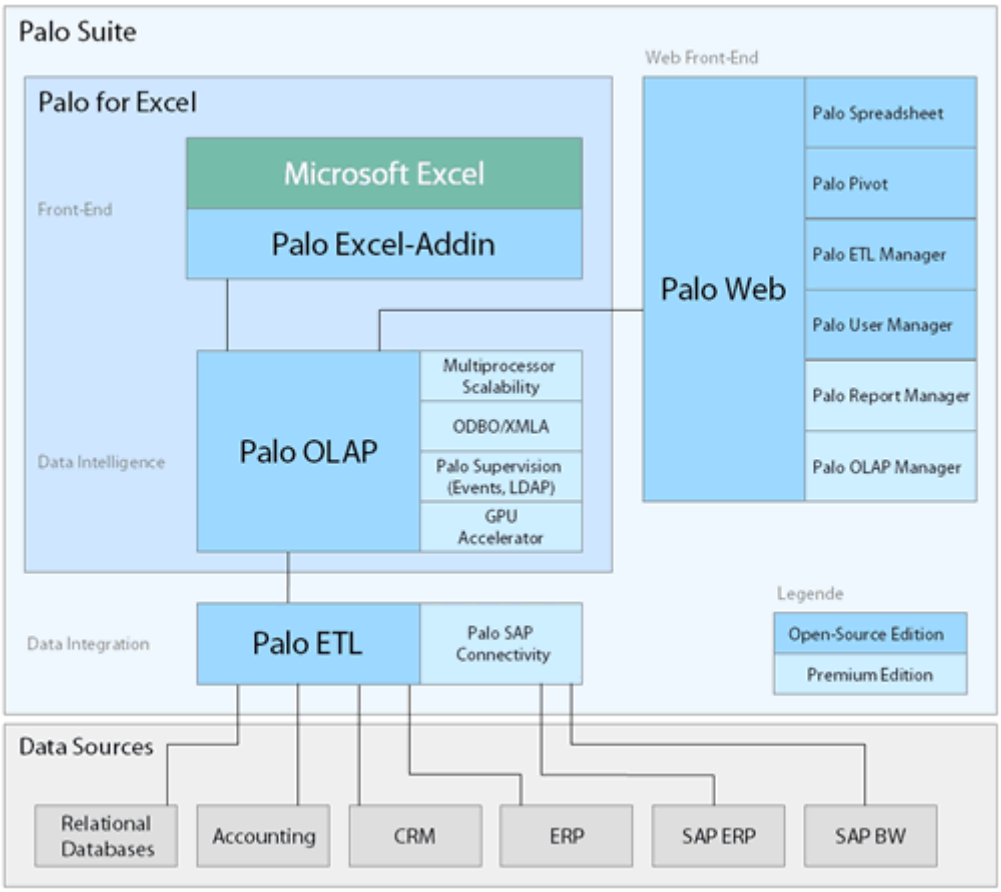
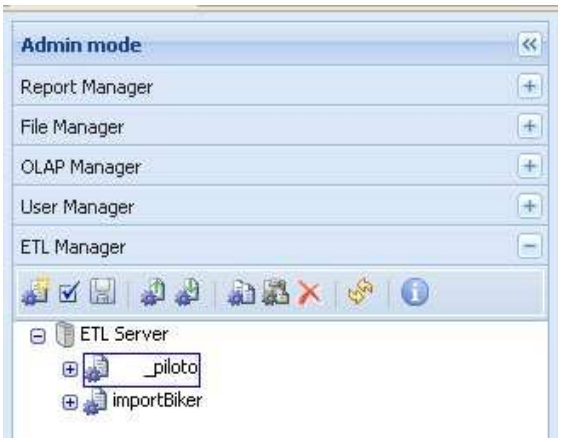
Palo Suite

Palo is a different solution, a different philosophy. It has been built a MOLAP engine and a set of tools to feed it and exploit it. All this is conditioned by the engine.



ETL - Palo ETL

Palo ETL is integrated into Palo Server. In fact, the Palo server allows us to perform all necessary functions. But let's concentrate on the ETL Manager.



The way of working with Palo ETL is quite intuitive and it is surprising the number of things the server does automatically, in addition to other features that make "you have to adapt to their way of working." This means that the level of demand for knowledge is relatively low and it is easy to work with. But “you have to do it its way”. With special features such as:

- The ETL is encapsulated in projects.
- The ETL are sequential.
  ◦ when designing the ETL must specify what his predecessor step is.
  ◦ To implement the ETL you have to invoke the last step, it is its job to summon all its predecessors.
  Although, as we see, we have all the typical elements of an ETL project:

Current version: 3.1 (Connected to Palo Suite)

Pros:

- Intuitive, easy to use and productive.

Cons:

- It is inevitably linked to Palo. Is ETL solution for Palo and not used to anyone else.

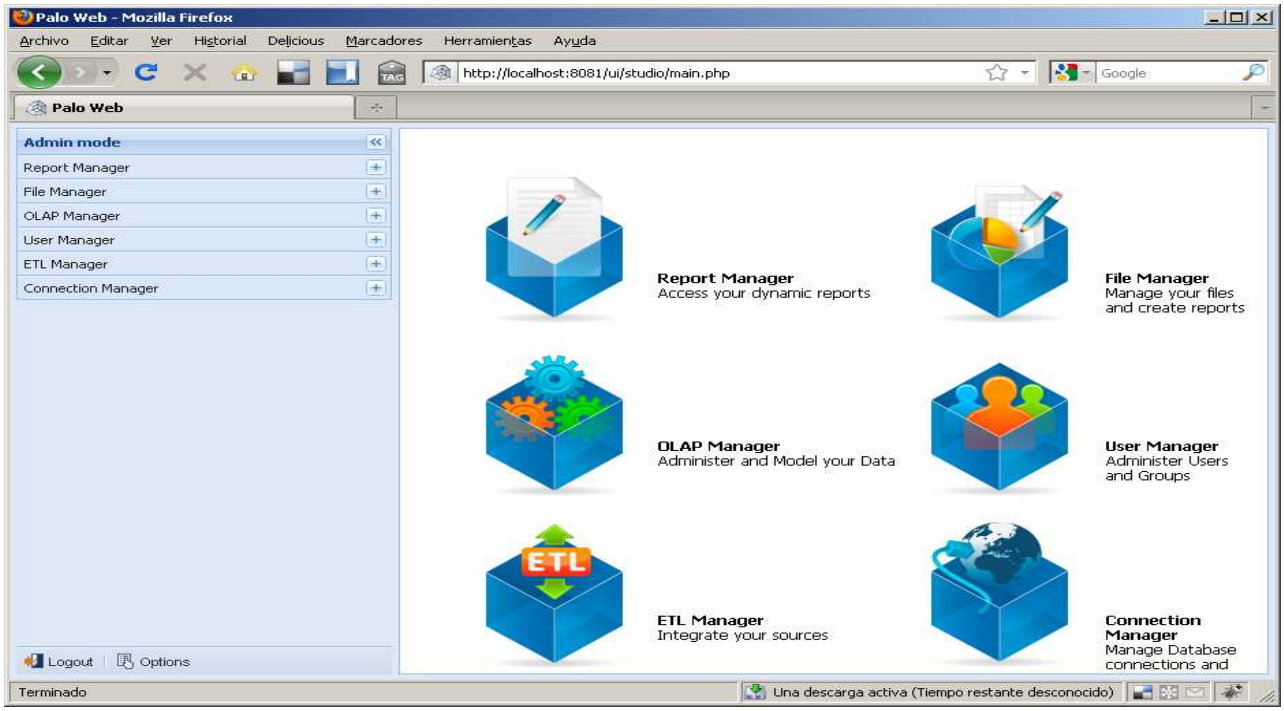
Differences between the enterprise version and version community

- Support

Web Application: Palo Web

Evolved from Jpalo, Palo WEB is a web server that allows us to perform all necessary operations:

- User Management
- Spreadsheet
- Hit OLAP (Pivot)
- Reporting (Enterprise Version)
- Management server (Enterprise version)



Current Version:
Pros:

- Integration into a single interface

Cons:

- They are the first versions: the ETL Manager, Jpalo, online spreadsheets, etc. Although the web interface is impeccable, internally there is a mixture of technologies not very clear.

Differences between the enterprise version and version community:

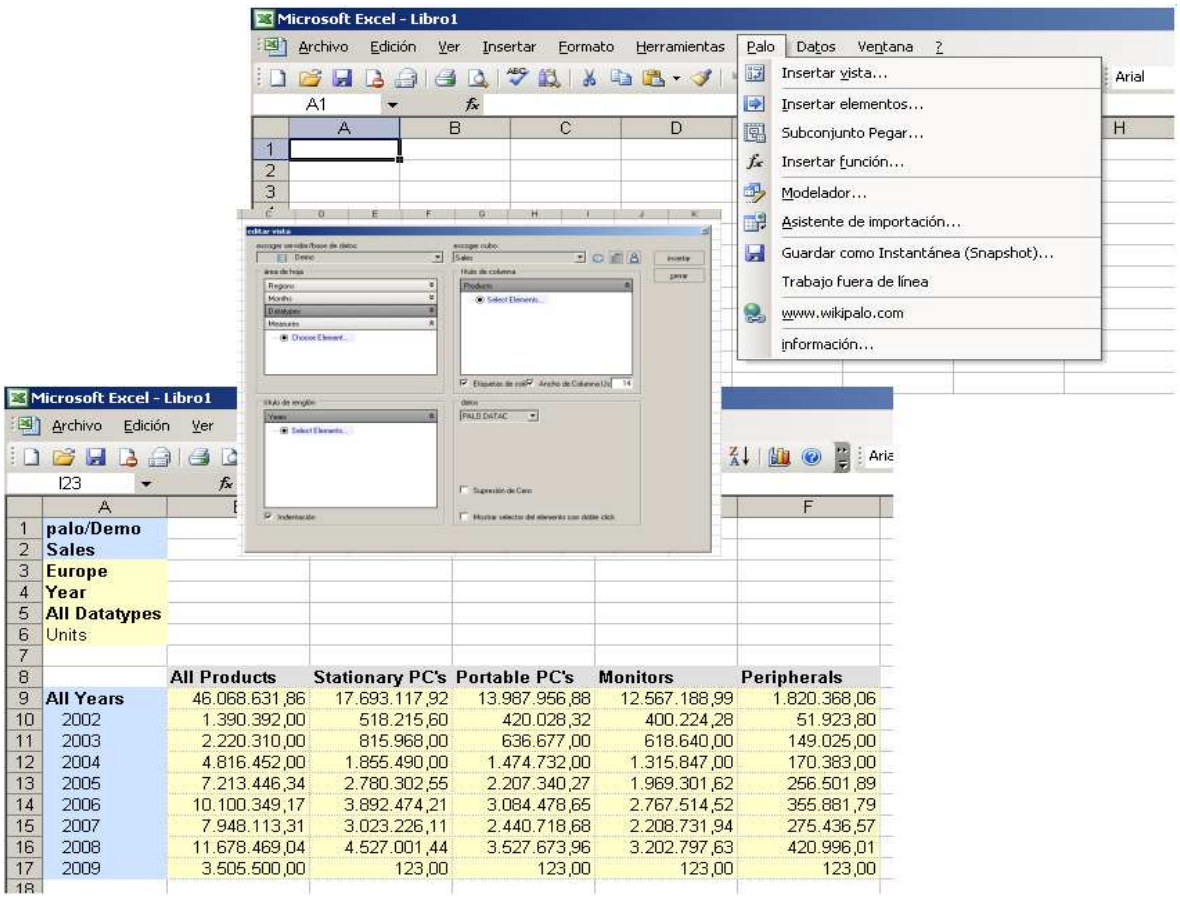
- OLAP
- Report Manager
- Some other things: : http://www.jedox.com/en/products/overview-palo-supported-open-source-vs-premium.html

Reports

Palo is more "operational." The reports, in the first instance, are the spreadsheets that are loaded with data from the MOLAP engine.

Palo for Excel

Palo for Excel is an Excel plugging that allows us to connect to our Palo motor and operate the data you want an Excel spreadsheet.
It is a fully functional interface and allows us to move through the information in a transparent manner, to navigate through the data as any Pivot.



Current version: 3.1

Pros:

- Easy to use and 100% functional from excel

Cons:

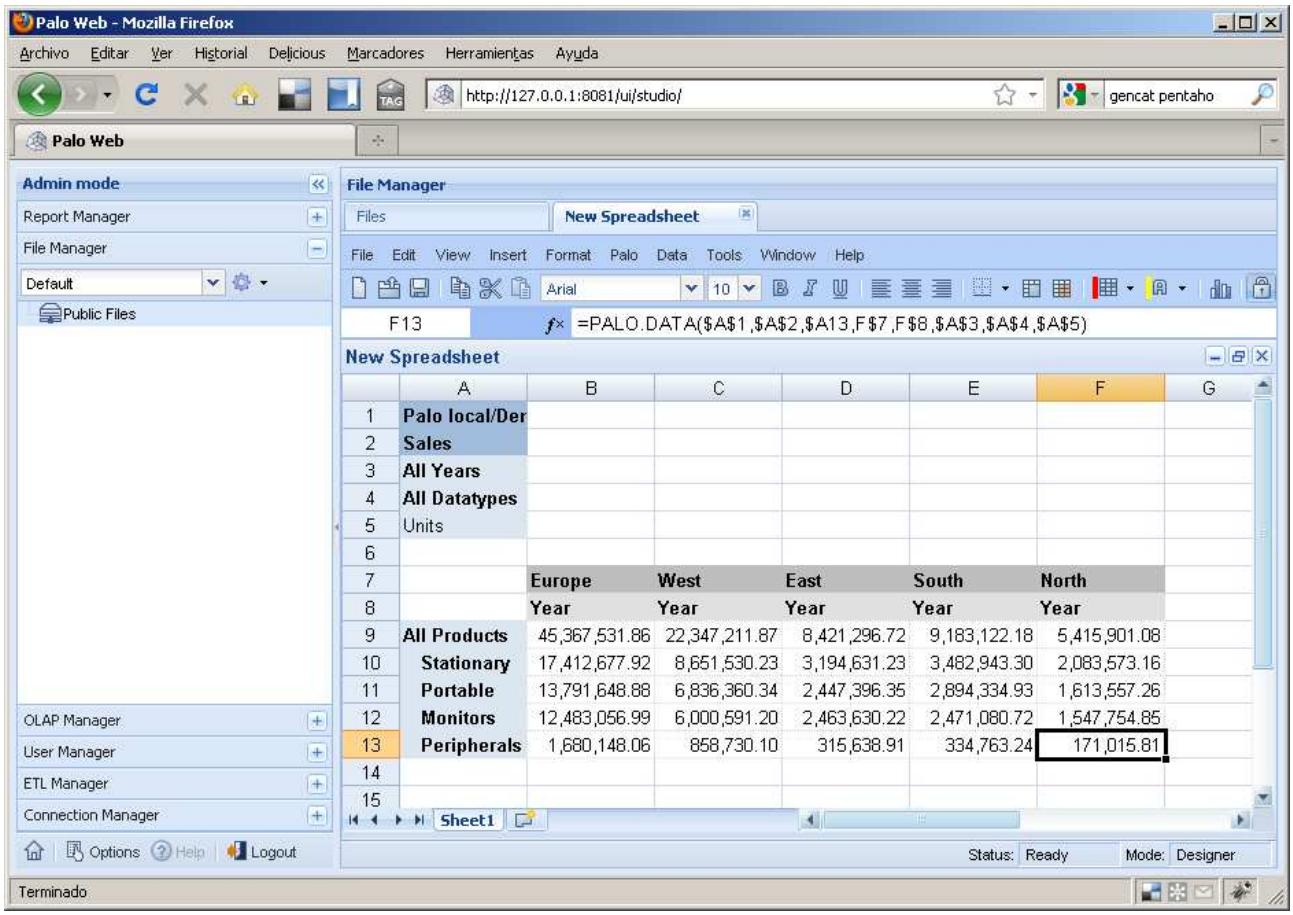
- Like everything in the environment Palo: You can not get out of it.

Differences between the enterprise version and version community:

- Support

Spreadsheet:

The web server includes a transmission pole spreadsheet that enables us to have all our excels on the server. “They are fully functional spreadsheet that enables us to have centralized all of our documents. These are the spreadsheets that we finally export with Reports.



OLAP: Motor

As we have said, here is the main difference with all other BI solutions. Palo is a MOLAP engine against all others that are analyzed like HROLAP or ROLAP.
The inner workings of MOLAP is that it loads all data and pre-computes all the intersections so it is not based on any database but creates its own dashboards.

Its main features are:

- Multidimensional in-memory.
- Aggregation in real-time
- Write-back
- Managing user permission

Current version: 3.1
Pros:

- Provides better performance than ROLAP solutions.
- It offers many more possibilities for the final user than ROLAP solutions do.

Cons:

- The computation time of the data is longer.
- The fact that it is Written-back it makes it ideal for simulations but also dangerous for Data Warehousing.

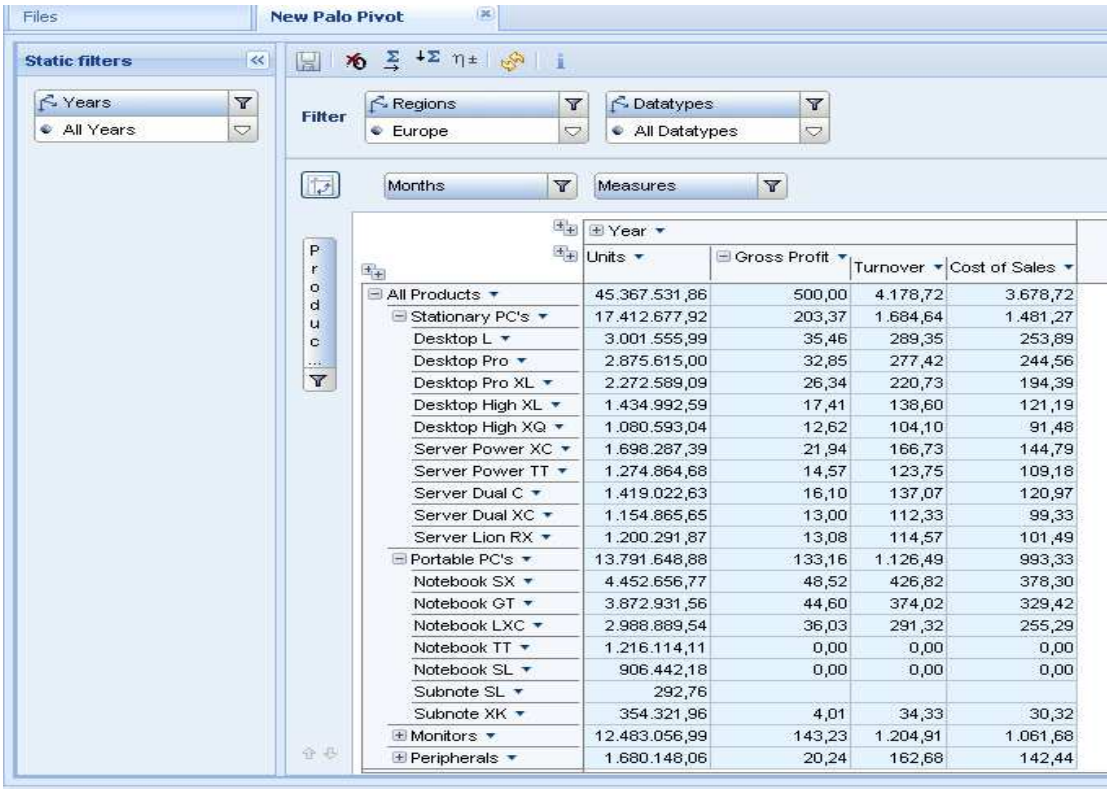
Differences between the enterprise version and version community:

- Support

Viewer: Excel, Spreadsheet, and Pivot.

The viewers that allow us to access our data are MS. Excel and OOCalc through the relevant plug-ing. The integrated spreadsheet Web Stick Pivot and views.

The pivot views are the previous Jpalo - PaloWebClient. It is a web interface that allows us to shape our views of OLAP through interactive web interface and easy to use dragging the dimensions to the various axes.



Dashboards

They do not exist as such. You can make spreadsheets with graphical components that act as dashboards, but there is no distinct component.

Tabla Resumen Palo

Característica	Comunity Edition	Enterprise Edition
ETL		
Palo Web		
Informes		
Palo Spreadsheet		
Palo Excel /OOCalc plugin		
Motor OLAP		
Visor OLAP		
Cuadros de mando	 (*)	 (*)

(*) No existe el componente diferenciado pero se pueden realizar cuadros de mandos.

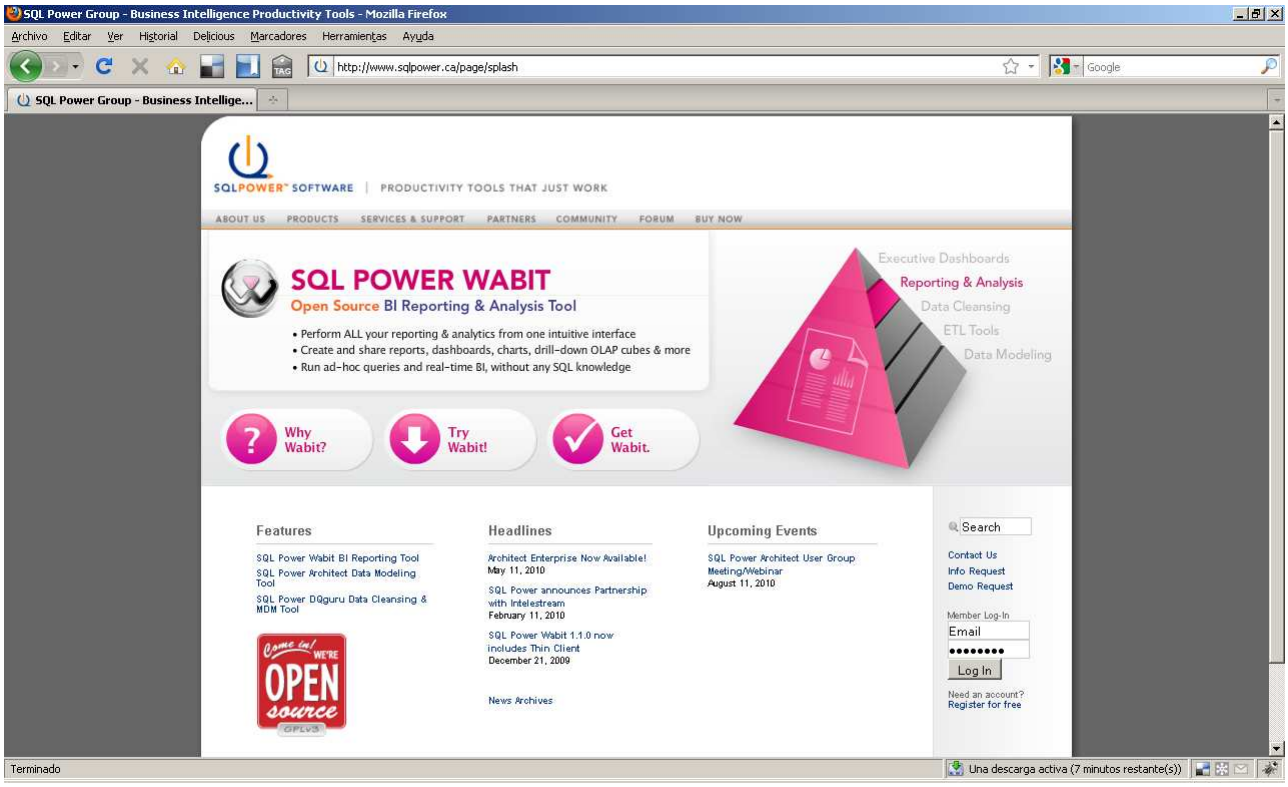
 = Good  = Regular  = Poor or it is not exist

SQLPower

SQLPower is the Canadian company in the BI world. Founded in 1988, has a collection of software BI oriented and a data management really interesting.
SQLPower has an entire ecosystem of solutions oriented to the world of BI. Perhaps SQlPower Architect is the application most widely known and used to model databases, but we must not forget: SQLPower loader ETL, SQLPower DQGuru, SQLPower Dashboard, SQL Power XBRLforms and finally **SQL Power Wabit**, that i´m going to present below.

SQLPower is a company with a wide experience in the world of BI. This is the result of offering consultancy and products, reason why they know first hand the needs of their customers and the most important features of their solutions that must be improved.

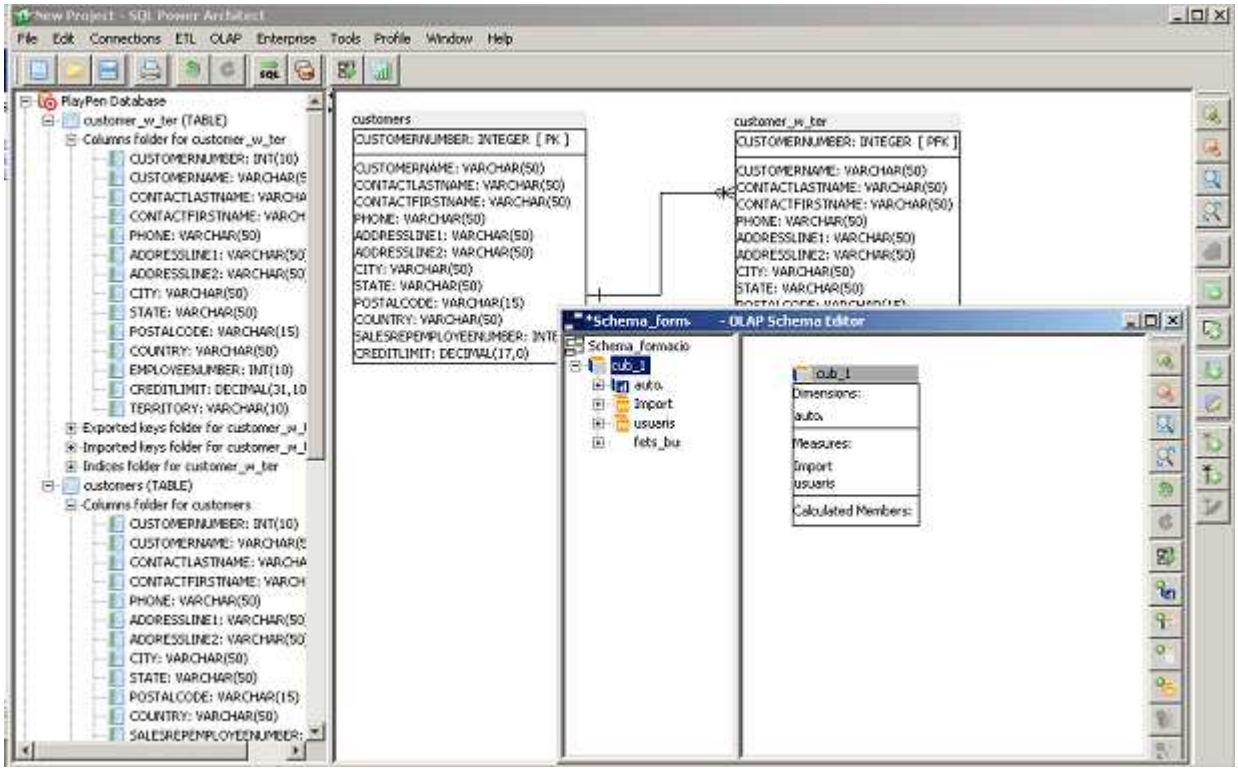
I included this suite in this analysis because although its course offering Open Source products is short, the tools are young, SQLPower makes really interesting proposals that are worthing to trace. In some aspects they need further improvement, many are already as good as the ones of their competitors and others, and for example SQlPower Architect is clearly the best option.
http://www.sqlpower.ca



LPower Arquitect

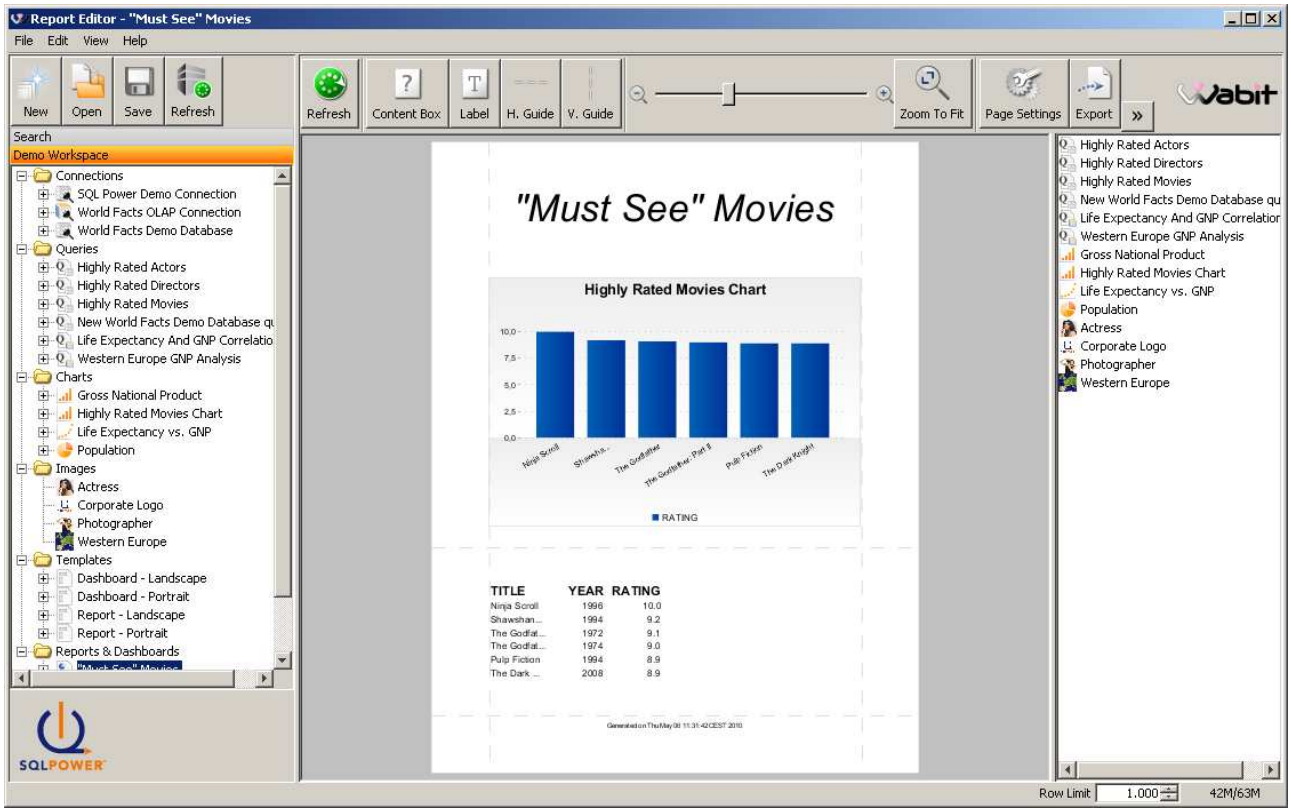
Although it is not a BI tool itself, it is the Swiss knife of all developer-related databases, relational schemas, OLAP sizing, etc.
Some of its features:

- Access to any database through JDBC .
- Allows you to have multiple open connections to different databases concurrently.
- Ability to compare data models with database structures and identify relevant discrepancies
- Easy interaction with the program (Drag and drop, etc)
- It generates visual reports
- Reverse Engineering - directly to the main engines PostgreSQL, Oracle, MS SQL Server
- Projects are stored in an understandable and helped parseable XML.
- Enables OLAP models with dimensions, cubes, hierarchies and levels.
- The enterprise version has a server module that allows different users to collaborate with different levels of security domains,etc



Wabit

Wabit began as a tool for reporting and is becoming the BI suite for SQLPower indulged by SQLPower Dashboards holders who, little by little are going to overcome its place.
Wabit has two versions; the Open Source version that gives us the client tool to install in our environment and gives us a fully functional reporting solution, but local . We can not have our reports on the server but we have to generate and export them to pdf, for example.



In its Enterprise version, Wabit includes a web application where we store our reports and dashboards as with any other suppliers.

OLAP : Mondrian

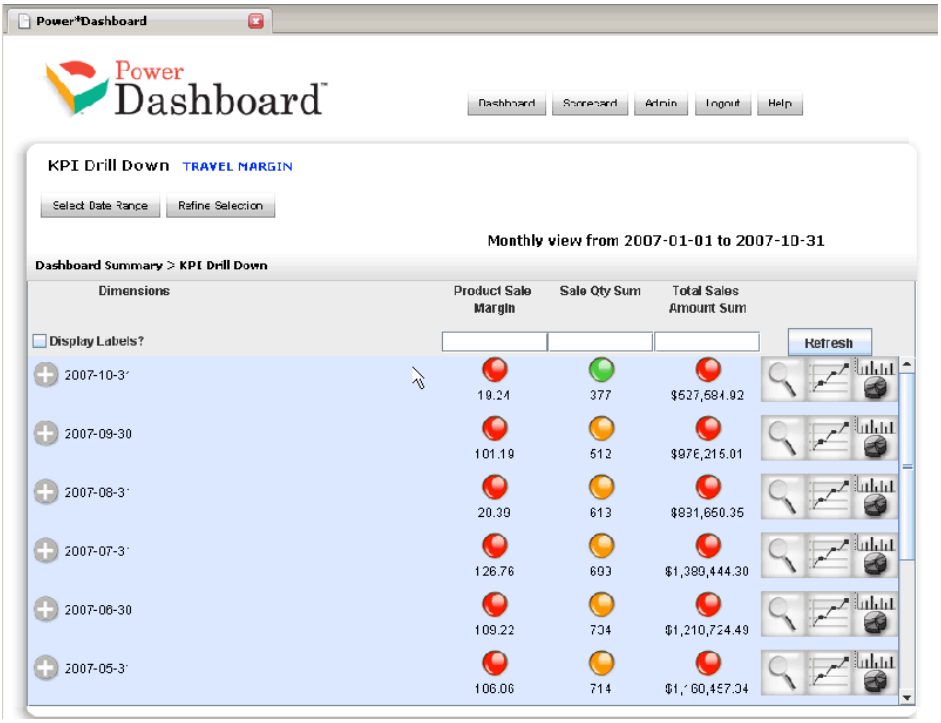
At the present, it is inconceivable having a reporting tool without Wabit and OLAP dashboards, and this is not going to be the exception.

OLAP Viewer.

The OLAP Viewer in wabit it is a fully integrated into the application and it is a simple drag and drop tool that frees us from the headache of having to write MDX queries, although, if necessary we also have this option available.

Dashboards

Wabit offers dashboards. These are advanced reports with extra features and user interaction. This functionality is currently reserved for Dashboard SQL Power that is a marketing tool.



Feature	Community Edition	Enterprise Edition
ETL		
Wabit		
Reports		
OLAP Motor		
OLAP Viewer		
Dashboards		

(*)There is no distinct component but may include dashboards

 = Good  = Regular  = Poor or it is not exist

About Stratebi

Stratebi is a Spanish company based in Madrid and offices in Barcelona, created by a group of professionals with extensive experience in information systems, technological solutions and processes related to Open Source solutions and business intelligence.

In Stratebi we planed to provide companies and institutions, scalable tools tailored to your needs, to form a Business Intelligence strategy can profit on the information available. To do this, we rely on the development of business intelligence solutions through Open Source technology.

Stratebi are professors and project leaders in Business Intelligence Master of the UOC University.

Stratebi professionals are the creators and authors of the first weblog in Spanish on the world of Business Intelligence, Data Warehouse, CRM, Dashboards, Scorecards and Open Source.

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