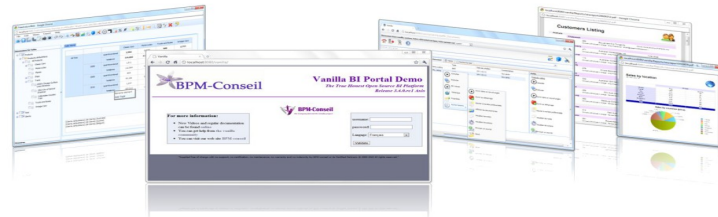


# Patrick Beaucamp

Founder of the Vanilla Project

Mail : [Patrick.beaucamp@bpm-conseil.com](mailto:Patrick.beaucamp@bpm-conseil.com)



## Dashboard, Maps & Kpi visualisation in the cloud using Vanilla Open Source Bi Platform

# Presentation Agenda

Technologies & Cost

Dashboard, Flash Maps & Kpi

Cloud Administration

Vanilla Platform

# Visualisation Strategy

Data Visualisation is a subject in itself

Making data available is the most important, and there are many valuable representation / visualisation methods

Access to data is a subject in itself, like making your data clean and safe (data architecture & dataworkflow). This implies technologies such as Etl, data cleansing & data quality tools

Runing text mining analysis is valuable on clean data, before moving to some visualisation strategies

# « Cloud » Technologies

- Use of « cloud ready » database infrastructure, such as Amazon Ec2 & Amazon Aws to deploy « Cloud Infrastructure »
- Use of Vanilla Amazon AMI or any Vanilla VirtualBox « ready to run » server
- Worldwide access to the Platform in a second (data entry), using Cloud Farms of Servers
  - Vanilla BiGateway connector to Amazon Cloud database
  - Web Browser, Smartphone or Tablet to access the visualisation
- Use of Open Source Platform to deliver access to data : Vanilla Open Source Bi. Interest of Open Source Business model is « support price per server » (not per user)
- Reduce Cost of the global solution & Reduce the time to deploy

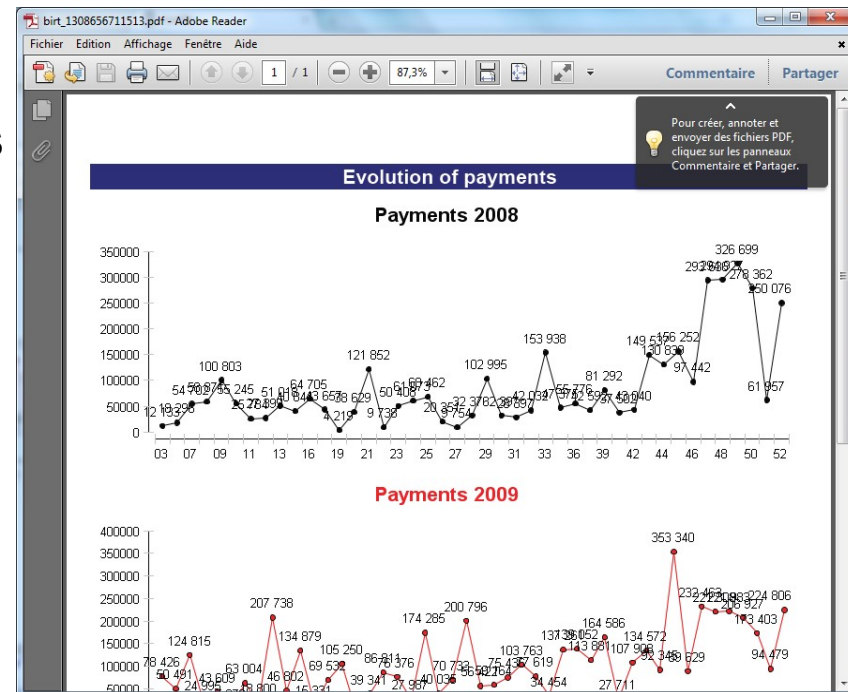
# Technical Architecture

- Data load in the cloud : security & ease of manipulation. Cloud Database are matured, different commercial options on the market.

- Processing in the cloud : dynamic resource allocation & Hypervision of resources and connection. Sometimes, confusion with "hosted only » platforms, major differences are :

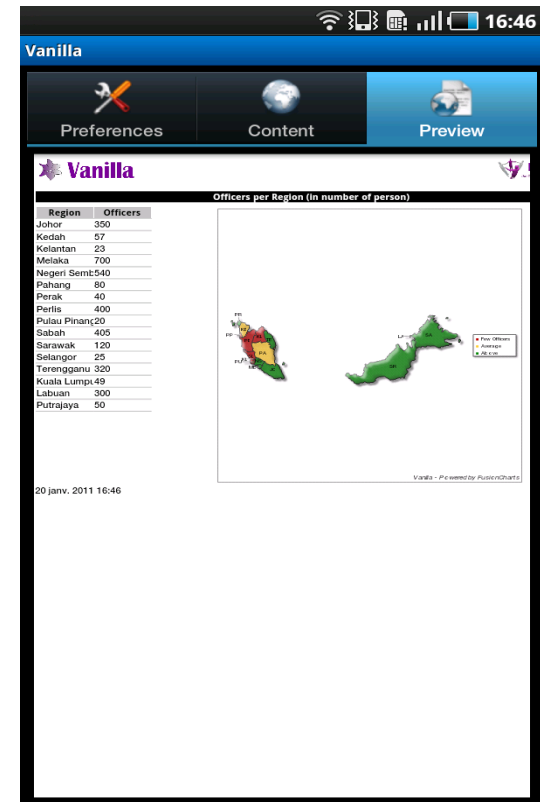
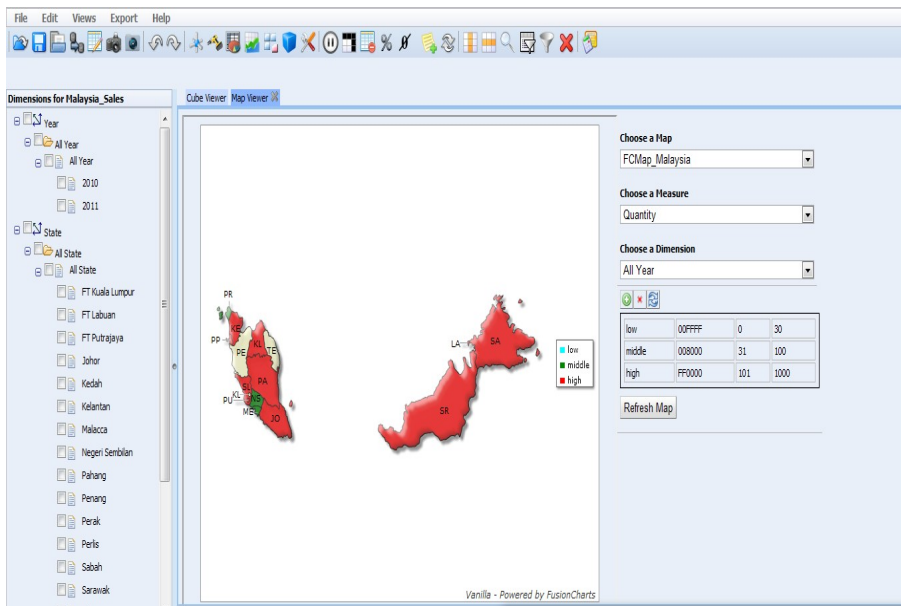
– dynamic allocation of additional ressources

– pay as you use it (standard fee for basic services, and additional cost for dynamic ressources such as disk space, additional server or additional cpu)



# Combination of Software

- Open Source : Vanilla (Bi Platform) & Vanilla BiGateWay to load & extract data from cloud database
- Free Piece of Software & Free Flash document (FusionMaps)
- Free Services : GoogleMap (if no Flash Maps)



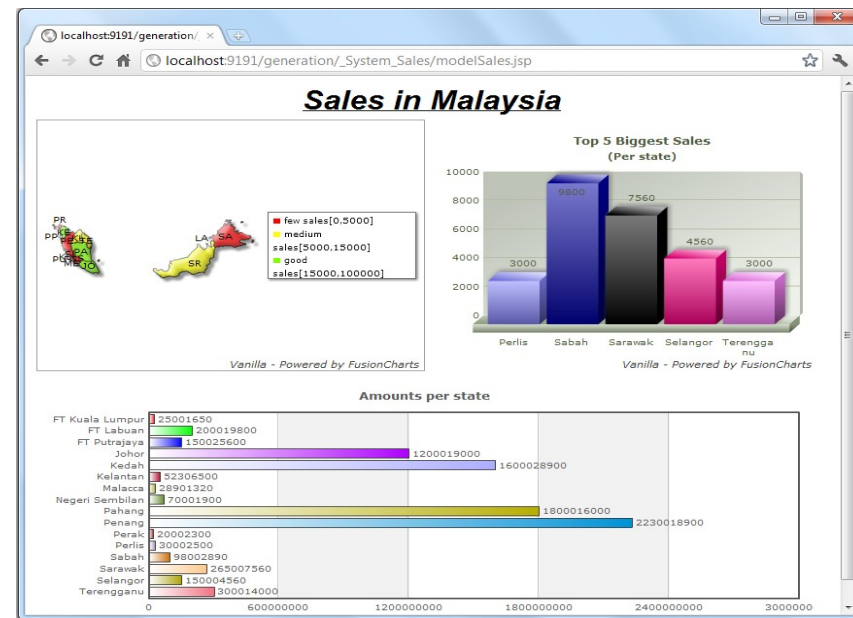
# How it works

- Data are loaded into database using Vanilla BiGateWay (Etl), Kpi-aware Etl (ie : functions to load Kpi)
- DataDisplay through Vanilla Bi Platform

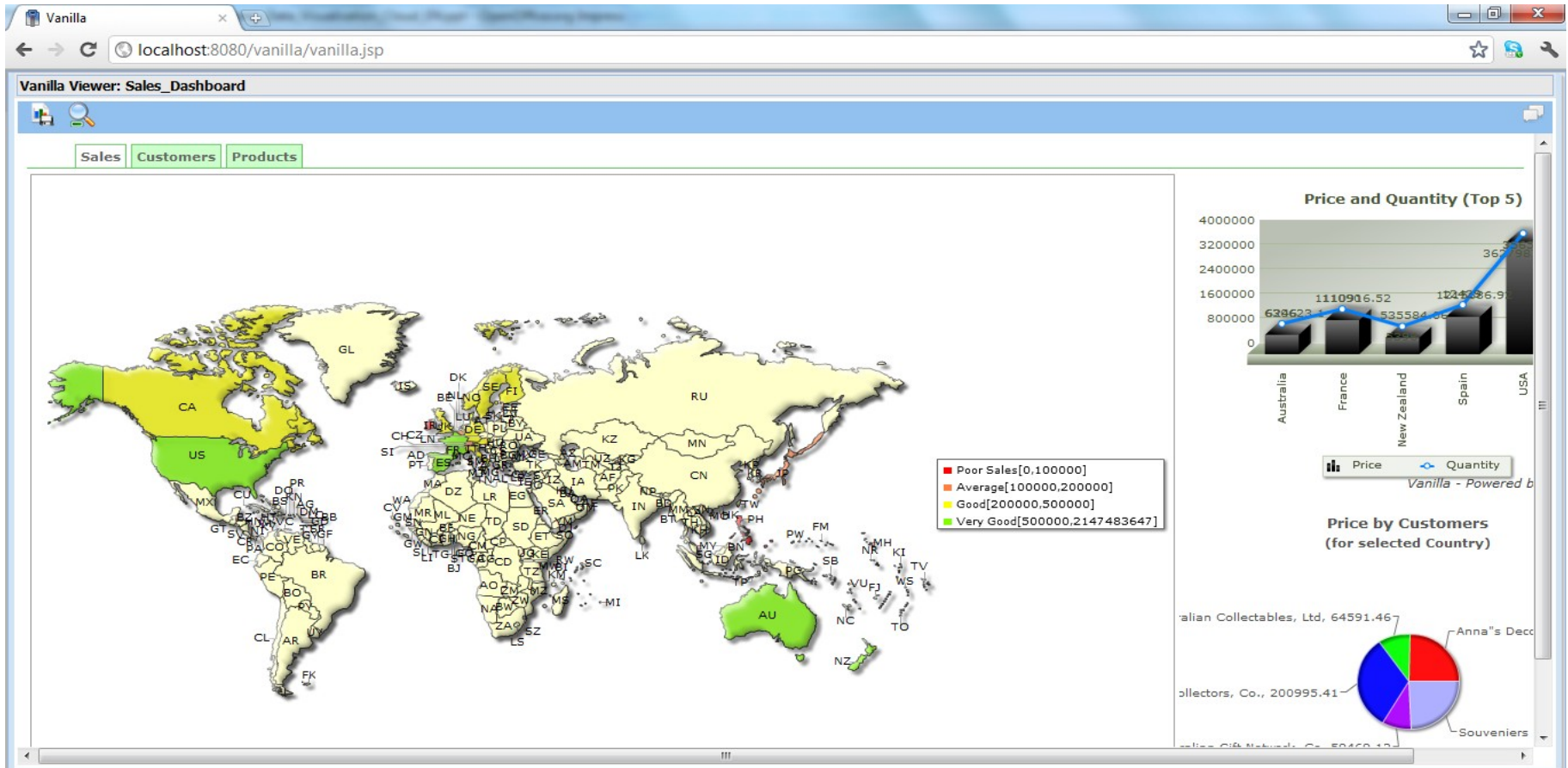
FmUserWeb - Google Chrome  
localhost:8080/FmUserWeb/?bpm.vanilla.sessionId=97e2bc38-1f0d-3e19-9eb2-eb3c39d53e1b&bpm.vanilla.groupId=1&bpm.vanilla.repositoryId=1

Products - 01/01/2010

Tendance	Santé	Compteur	Date	Actuel	Minimum	Maximum	Objectif	Achévé	Tolérance	Période
↓	↑	Production	01/01/2010	1450	0	2000	1200	120%	0	MONTH
↓	↑	Orders	01/01/2010	56500	0	100000	50000	113%	0	MONTH
↑	↓	Disposals	01/01/2010	43	0	500	50	86%	0	MONTH



# Data Visualisation (1/2)



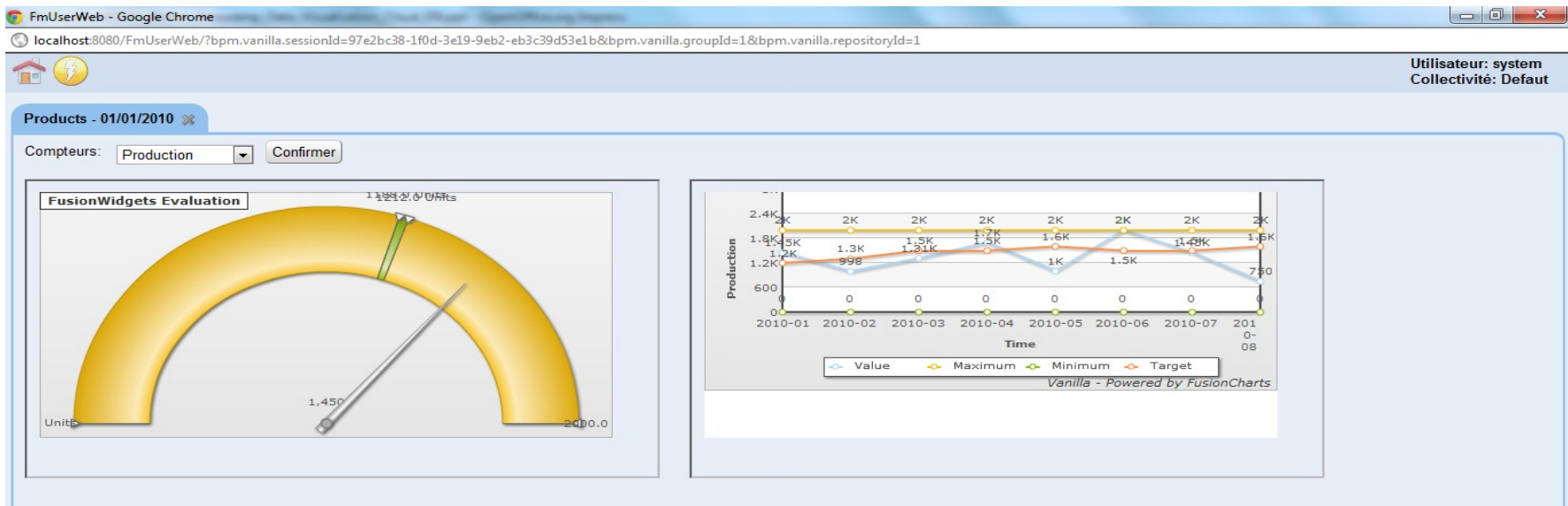


# Data Visualisation (2/2)

FmUserWeb - Google Chrome  
localhost:8080/FmUserWeb/?bpm.vanilla.sessionId=97e2bc38-1f0d-3e19-9eb2-eb3c39d53e1b&bpm.vanilla.groupId=1&bpm.vanilla.repositoryId=1

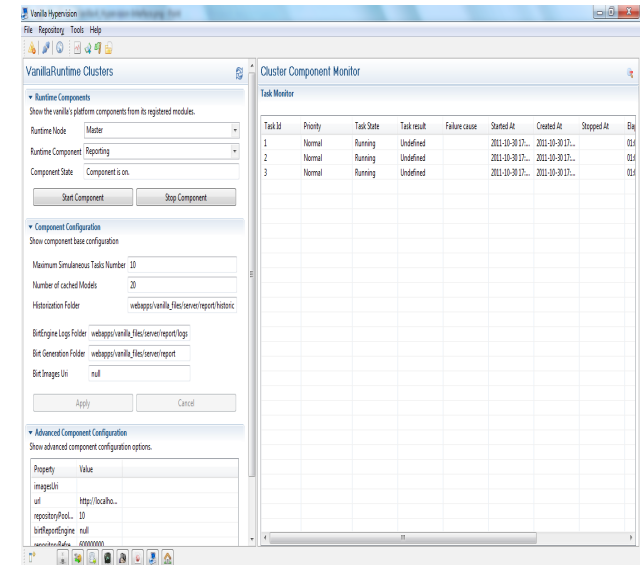
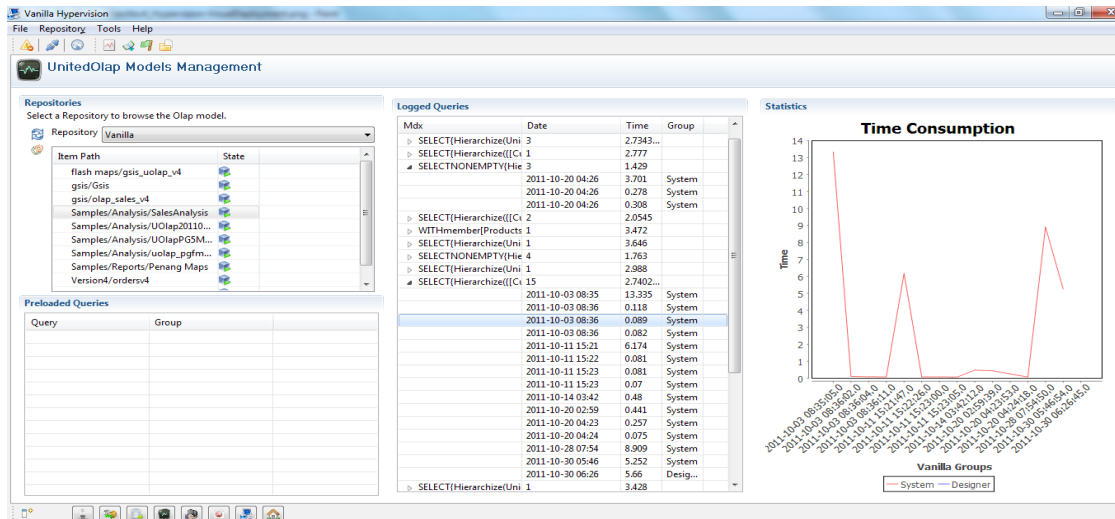
Products - 01/01/2010

Tendance	Santé	Compteur	Date	Actuel	Minimum	Maximum	Objectif	Achevé	Tolérance	Période
↓	↑	Production	01/01/2010	1450	0	2000	1200	120%	0	MONTH
↓	↑	Orders	01/01/2010	56500	0	100000	50000	113%	0	MONTH
↑	↓	Disposals	01/01/2010	43	0	500	50	86%	0	MONTH



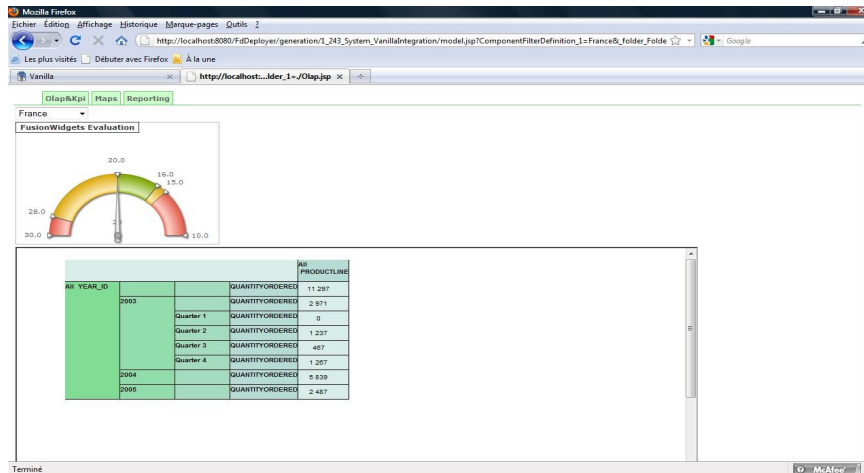
# Vanilla Cloud Management

- Load Balancer & Cluster Management using Vanilla Hypervision
- Statistics & Reports for invoicing (per « user » cost)
- Tools to manage Vanilla Platform Performance



# Different usages (1/2)

- Large database access without infrastructure constraints (be carefull with security)
- Data collection for companies with subsidiary or governmental institution
- Real Time information delivery : alert mechanism, telecom & network traffic
- Global public statistics & partner relation



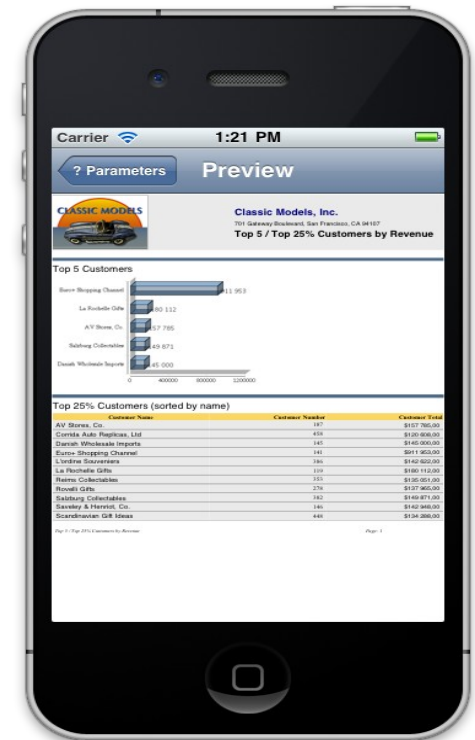
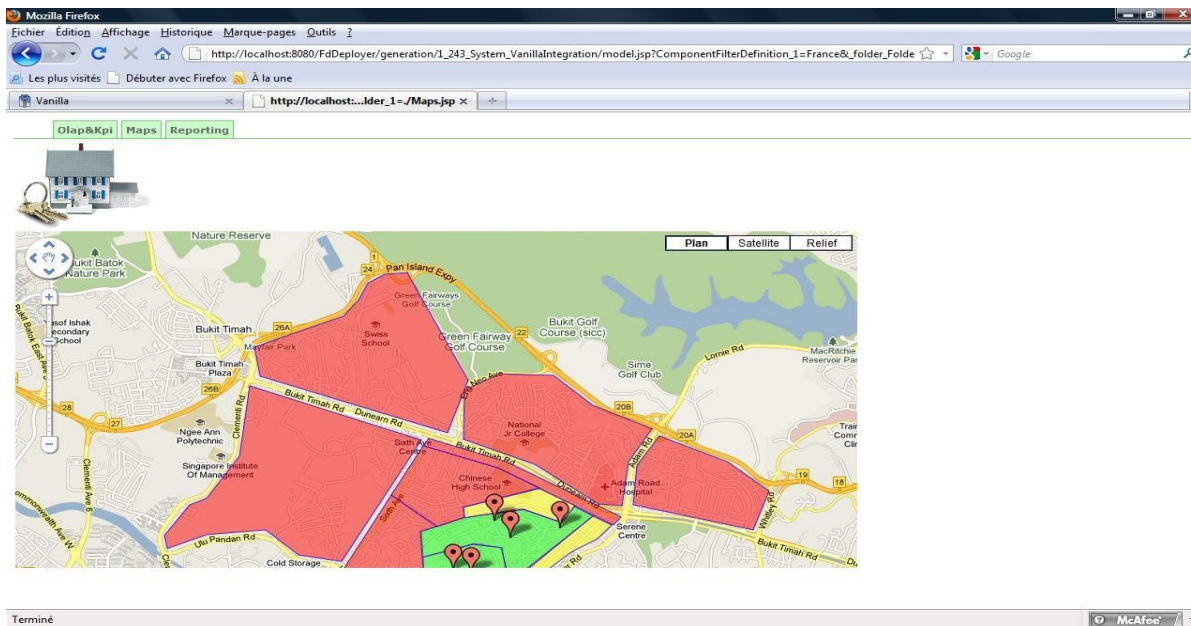
# Different usages (2/2)

- Work on your data with Dataming component such as R, Weka
- Manage different kind of data, using Hadoop Cassandra database
- Use existing Search Infrastructure like Solr/Lucene (Vanilla certified)
- Cache your resultset using MemCache, to speed up response time



# Cost & Benefit

- Minimum cost for Infrastructure (Vanilla Server & Development)
- Ease of development & deployment (can be send by mail !)
- Maximum availability : Amazon & Google Infrastructure



# Vanilla Platform

Platform and Web portal for consultation of BI objects

Modules for creation, edition and configuration for system administrators, BI developers, BI architects and integrators.

Vanilla uses Open Source standards : Java (language), XML (communication and objects), Web 2 (GWT), Bonita (workflow), Quartz (planification), Axis (communication) or Lucene (indexation).

First version released in June 2008 and today, version 3.4 released April 2011.

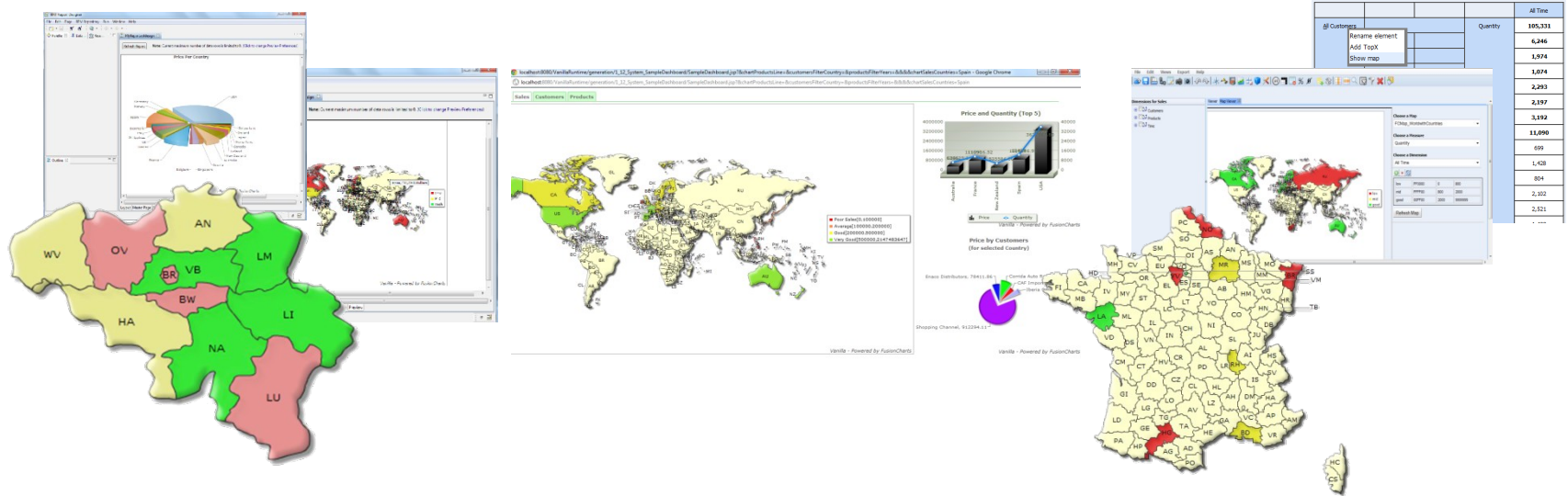
Version	Date	Spécificités
1.2	Juin 2008	EnterpriseServices (Administration), FreeAnalysis (OLAP Rcp et Explorateur Web), FreeMetadata et FreeMetrics
1.3	Janvier 2009	Intégration de Birt et des exports Excels et FreeMetrics pour les collectivités
1.5	Juin 2009	Passage des applications Web en GWT, BiProfiler (Analyses des sources de données), BiLauncher (Programmation de tâches) et Maps Designer (Cartes Google)
2.0	Septembre 2009	Dwh Designer (Design de DataWareHouse), Migration en GWT 1.6, FreeDashboard V2 (Interface de design des tableaux de bord) et BiGateway (Module ETL)
2.2	Février 2010	BiWorkflow (Workflow en BPMN2.0), FreeWebReport (Interface de design Web de rapports) et FmLoader (Interface Web de chargement de métriques)
3.0	Septembre 2010	Vanilla Apps (Disco -Mode disconnecté-, HyperVision -Administration d'un parc de serveurs-), Performance Dashboard (Tableaux de bord multi-onglets), GED (Gestion Electronique de documents) et Refonte de l'architecture
3.4	Avril 2011	Cartes Flash (OLAP, Tableaux de bord et Rapports), Géolocalisation, Vanilla Mobile : iPhone et Android applications, Configuration serveur facilitée et poids réduit, Vanilla Viewer (module dédié consultation de rapports), Vanilla Forms (gestion de formulaires) - Versions disponibles : Windows, Unix (dont MAC)

# 10 Key points

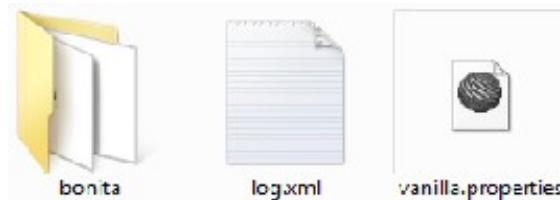
- 'Community' and 'Enterprise' versions with same code and same functions
- Secured metadata integrated with Birt (reports) and FreeDashboard (dashboards)
- KPI suite (performance indicators) integrated (RCP modules and Web applications)
- Administration modules for servers management (configuration, deployment, impact analysis, document manager or tasks planification)
- RCP modules for creation, publication and edition of BI objects (no XML manipulation)
- Web portal for BI objects consultation and additional functions (document manager, historic, preferences) and Web applications access
- ETL module integrated and with direct access to the other objects
- Maps elements and flash format support
- Android and Iphone applications
- Platform supported by the development team

# Some Vanilla Features

- Flash maps and charts : Reports, Cubes and Dashboard

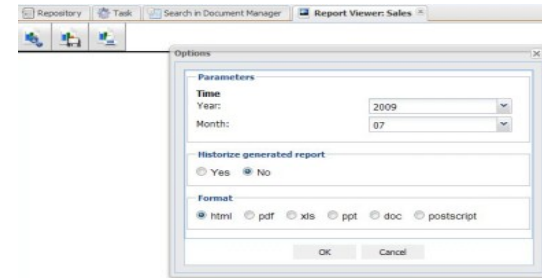
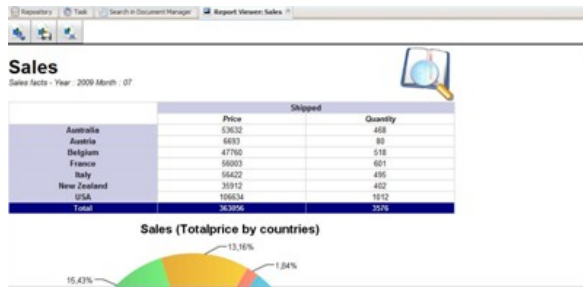


- Configuration and weight of the server





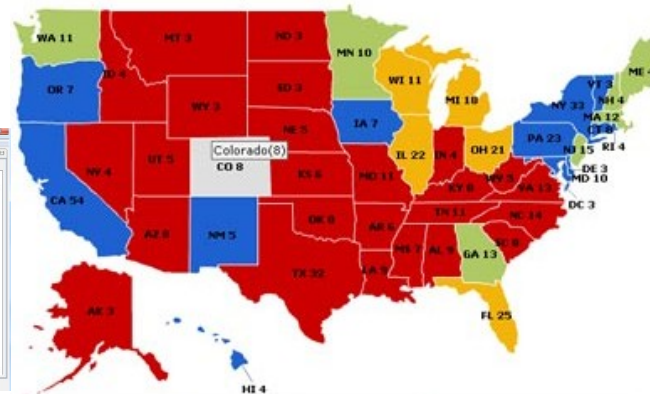
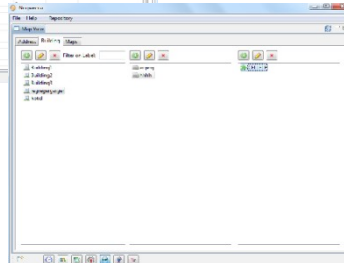
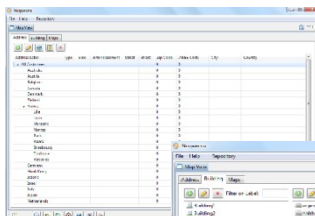
- Vanilla Viewer : reports consultation



- Vanilla Apps : Android and Iphone



- Norparena : Forms, Documents manager, Geolocation and maps



II-SDV, Nice

# Documentation/Tutorial

- Documentation

32 documentation available

Installation and Configuration

Servers and Web Applications

Modules

English and French



- Tutorial/Movies

Tutorials and movies available  
(dailymotion)



- Forums and Community

Forums, FAQ and Help



Documentations and tutorials available on our Web sites:

*www.bpm-conseil.com* and *forge.bpm-conseil.com*

The screenshot displays the BPM-Conseil website interface. At the top, there is a navigation bar with links for Home, Community, Products, Service & Support, References, Partners, Downloads, and About Us. Below this is a large banner for 'Vanilla OpenSource Business Intelligence' featuring a purple arrow and a screenshot of a BI dashboard. The main content area is divided into several sections: 'News' with an article about an Android app, 'Vanilla Server', 'Vanilla for iOS', and 'Vanilla for Android'; a 'Community' section with a list of links for various tools and reports; and a 'Video Documentation and Howto's' section with sub-sections for General, Gateway, BI Process Manager, BIRT, Workflow, and Enterprise Services. The website has a clean, professional layout with a purple and white color scheme.

Thanks for your attention