THE CITY OF CHÂTEAUROUX BUILDS A NEW BUSINESS INTELLIGENCE PORTAL FOR THE MANAGEMENT OF ENERGY IN THE CITY.

Key Words:
☐ Open Source
☐ ETL, Portal
☐ Business Intelligence

Organization
City of Châteauroux

Market
Municipal Government

Status
Public administration

Objective
To improve traffic condition in view of the 2008 Beijing Olympic Games

Country
France

OW2 Project
. Talend Open Studio
. SpagoBI
. eXo Patform

OW2 Members
. Altic (SI)
. Talend

Altic helps the local administration get started with the Business Intelligence world by deploying Talend Open Studio, eXo Platform Portal and the SpagoBI Business Intelligence Platform.

City of Châteauroux

City of Châteauroux Châteauroux is the capital of the Indre department located in the center of France. Founded over 1000 years ago in 937, the city takes its name from the castle (Chateau Raoul) built by the princes of Déols. Today, Châteauroux has 50,000 inhabitants and boasts 1,112 acres of parks (or 560 square feet per resident). Located two hours from Paris, the region is dominated by grain agriculture; Châteauroux also has a well-defined presence in the high-tech sector. Aeronautics, logistics, metallurgy, electronics, and IT are cornerstones of the local economy.
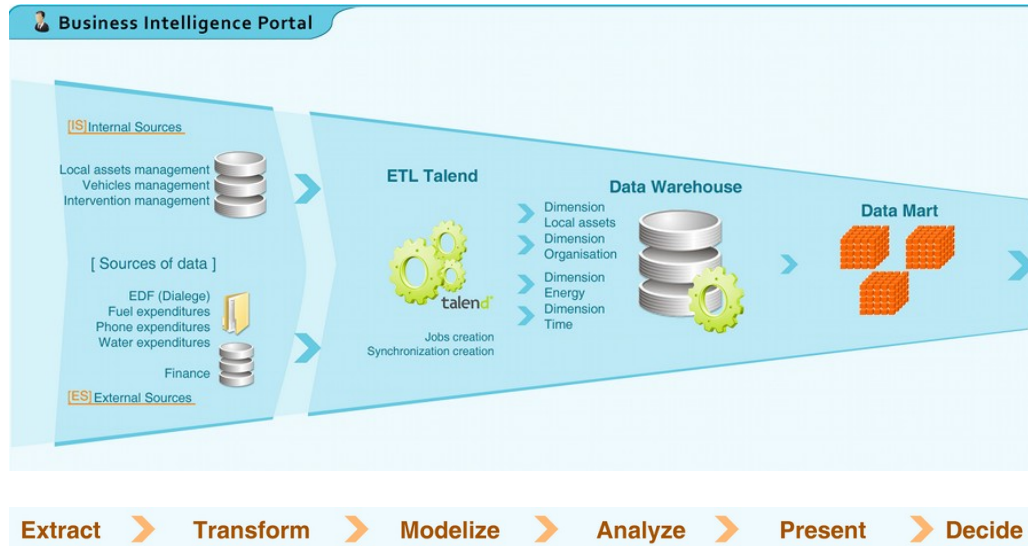
The Need for an Integrated Monitoring System

The legacy transportation information system was desiged and used solely for the needs of the transportation department. At the time, interconnection with other systems was not a priority and data exchange is now difficult to achieve. The difficulties are many, including: lack of information sharing mechanisms and methods, inconsistent data formats and statistics. This results in poor managerial coordination and the inability to cope with unforeseen events.The Internet ITS Center of Beijing is dedicated to provide the technology platform for the overall transportation system of the capital city. Then the system would be rollout to all the City management facets.

"*Our objective is to optimize our assets as part of a Business Intelligence project*" said Sébastien Bernard, Project Manager of the city's IT Department. "*For example, we want to calculate the per-kilometer cost of operating our vehicles, monitor reconstruction and investments in our building program optimize our energy consumption, etc.*" Most of the data comes from the asset management application, Kimoce, but quite a lot derives from the HR management system and from the accounting and financial management applications. Châteauroux also needed to integrate datas from other applications, such as fuel management (the city owns its own pumps) or from different Excel files (power, gas, phone, etc.).

For both philosophical and financial reasons, IT Management had always planned to evaluate open source solutions.

The Business Intelligence Portal built for Chateauroux

To meet the City needs, Altic used the ETL Talend Open Studio, the portal eXoPortal, the reporting tool JasperReports, the OLAP engine Mondrian and the platform SpagoBI. Altic developed a data warehouse powered by Talend Open Studio. Most of the connectors needed were already included in the tool, which saved a lot of development time. According to the sector, jobs are partly or totally automated-for real estate, the files are retrieved automatically and the jobs are run without a break. For vehicles, data retrieval is handled manually and scripts are launched automatically. Telephone data is fully automated .

Key Facts

☐ Business Intelligence portal based on SpagoBI technologies;

☐ Large number of components readily available;

☐ User-friendly graphical interface;

☐ Efficient heterogeneous database management;

☐ Certified partner-Altic.

Key Benefits

– rationalization of the asset management

– better knowledge of the cost of each activity

– total transparency of shared information with citizens.

"We now need to finish integrating data in the energy sector among others. We will have in the medium term a powerful and upgradable analytical system covering all the facets of our activity", said Sébastien Bernard.

Professional Support

ALTIC .ORG

ENGINEERING

talend* *open data solutions*

OW2

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About OW2 Founded in January 2007 as a result of the merger of ObjectWeb and OrientWare communities, OW2 is an independent industry consortium dedicated to developing open source code middleware and to fostering a vibrant community and business ecosystem. Building on the legacy of ObjectWeb and OrientWare, OW2 federates more than one hundred organizations and 6000 developers in Europe, Asia and the Americas. OW2 hosts over one hundred technology Projects, including Lomboz, Sync4j, eXo Platorm, XWiki, SpagoBI and JOnAS. Several of the OW2 projects are combined into market-driven Initiatives, such as the ESB/SOA Initiative and the Business Intelligence Initiative, which facilitate their implementation by systems integrators, OEMs and end-users. A typical global open-source organization, OW2 aims to bring together grassroots communities across all continents through Local Chapters. More information about OW2 is available at http://www.ow2.org