

Case Study

Control Panel of Caja Madrid Treasury

Characteristics of the project

Profile

The bank *Caja Madrid* uses two main computer applications to manage the Treasury Desk, Kondor and Murex. This double system implies paying double software licenses (Murex are particularly expensive) and more time and effort to get the data since it requires manual data entry because the system is not automatized, and the possibility of error when entering data by hand.

Challenge

Caja Madrid requires a tool that can connect to the Treasury desk to get information online and on real time, apart from store it in a repository to be consulted at any time.

Solution

Implementation of a technological platform that connects to the Treasury Desk to get the operative data and store it in the repository to be consulted quickly and effectively at any time. It is important to mention that the information that can be obtained is the data from the bank as well as data modified by the user by means of algorithms defined by the user.

Result

Creation and development of a control panel able to integrate with the computer system of the bank to improve the information provided and automatize the generation of reports with operative data coming from different applications of the Business Bank.

Technology

ArcplanEnterprise technological platform under the operative system of Windows Server with Oracle database, under operative system Sun Solaris.

OUTSOURCING OF OPERATIVE REPORTS

Caja Madrid had a system for obtaining data connected to the Treasury Desk that did not fulfill the necessary requirement. Among the problems were pointed the kind of training for users of the new tools, not very practical or evolutive; creation of new demands not met in relation to the reporting and limited flexibility to modify the reports.

Therefore, *Caja Madrid* asks Concatel to develop a tool that meets the demands and needs of information. It is necessary to get the reports to provide the indicators of *Caja Madrid* to take users' decisions and of the senior staff of the bank.

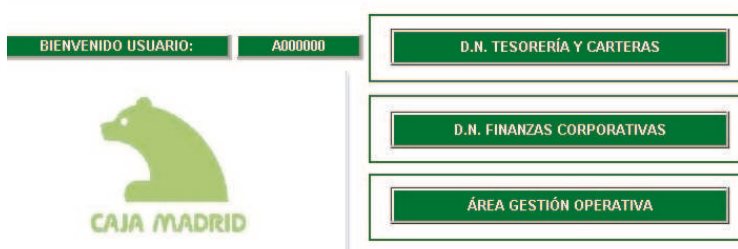
Caja Madrid considers that it is very important to fulfill the requirements described below:

- Constant and evolutive training of the people in charge.
- Quick availability.
- Browsing by dimension of analysis.
- Rational and flexible maintenance.

Before these requirements, Concatel develops a technological platform able to connect with the Treasury Desk system online since it provides **immediate availability** of the information. It also provides the system with a virtual repository that automatically stores the **origin data** of the Business Bank in the cash extraction area while the **changed information** is saved in the exchange area, applying the algorithms of the user.

So Concatel achieves two benefits with this system, **speed** in the answer while allowing an **analytical search and coherent** with some determined criteria.

The refreshing of information in the control panel allows to extract the cash, change and load the Database once it is requested by the user. Finally, the migration of algorithms to the new operative platform is carried out (Excel).



Extraction Environment

Concatel implements a computer system with different environments. In the first place is the **extraction environment** where the data of the Treasury Desk is obtained. In this environment are the two already mentioned areas: of **extraction** (data of origin) and of **exchange** (changed information).

The processes of change are developed using JAVA language. The planning, in case of being necessary, will be made in the communication standard OPC.

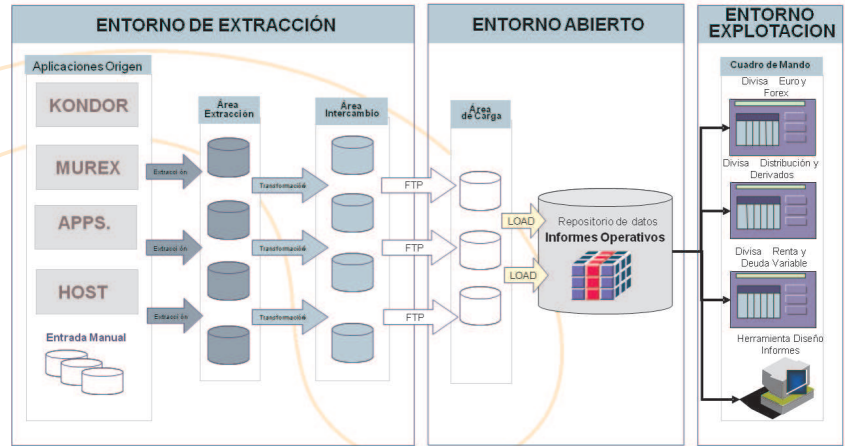


Diagram of the process for getting, transforming, storing and distributing the information.

Open Environment

In the open environment is all the information ready to be operated by the user once it has been dealt with in the Extraction Environment and loaded in the Database.

Specifically, the **loading processes** are made through *scripts*, with a data model created in Oracle in a Sundatabase machine with Solaris operative system. In this way, the data model is built covering the needs of the operating tools Arcplan Enterprise (Dynasight).

Operational Environment

The operational environment provides the reports defined by the user in the control panel and they are clustered in **big work groups** (Euro and Foreign Currency, Distribution and Derivatives, Rent and Debt, Tool Design Reports).

The reports come from the information stored in the Data Repository of Operational Reports that refreshes periodically and as the user requests it.

The access to the different operational reports is controlled through the profiles determined by the authorized users. These permissions are managed by the users that have administration privileges.

Applications and applied technology

- **Extraction Environment:**
 - MUREX (v.2.11.28)
 - KONDOR+ (v.2.6)
 - JAVA (v.1.4.2)
 - SYSBASE

- **Open Environment:**
 - ORACLE (v. 9.2)
 - SHELL SCRIPTING

- **Operational Environment:**
 - ARCPAN ENTERPRISE (v. 5.5.0.2810)

EN BALANCE		FUERA DE BALANCE	
Deposito Mercado		Bonitos Interimas	3.500
Deposito Cobert.		Pagares	0
TOTAL	6.750	Fxswap	3.161
		Pool	2.984
		TOTAL	9.192
TOTAL ACTIVO	14.738	TOTAL PASIVO	7.988
GAP INTERBANCARIO	7.748		