

E2E TECHNOLOGIES

WEB www.E2EBridge.com
EMAIL info@E2EBridge.com
PHONE +41 61 270 97 10
FAX +41 61 270 97 11



Simply integrated.

E2E CASE STUDY – SYSTEM INTEGRATION

PoliMIS: Management Information System for the Police



« Using traditional approaches, a project of these dimensions is full of pitfalls. The quality and speed of the implementation using the E2EBridge® was convincing. »

Martin Roth
Chief of Staff
Basel City Cantonal Police

About Basel City Cantonal Police

The Basel City Cantonal Police Department has diverse responsibilities for the most densely populated of the 26 cantons in Switzerland. In addition to the criminal, security and traffic policing authority, the Basel Police is also responsible for border controls in trains and airport border checks. The Basel Police employs 800 policemen and women and 180 civilian staff. In 2006, the Basel Cantonal Police Department received over 50,000 emergency calls.

Challenge

- ▶ No basis for reliable decision making
- ▶ No consolidated reporting for officials
- ▶ Data dispersed in 80 applications

Benefits

- ▶ Fast implementation, high quality
- ▶ Automated wrapping of data sources
- ▶ Lower total cost of ownership

Solution

- ▶ ESB based on UML® virtual machine
- ▶ MDI – Model Driven Integration
- ▶ Dixendris Cockpit as monitoring solution

Results

- ▶ Higher reuse for integration services
- ▶ Faster project implementation with less staff
- ▶ Gradual introduction within only six months

Challenge

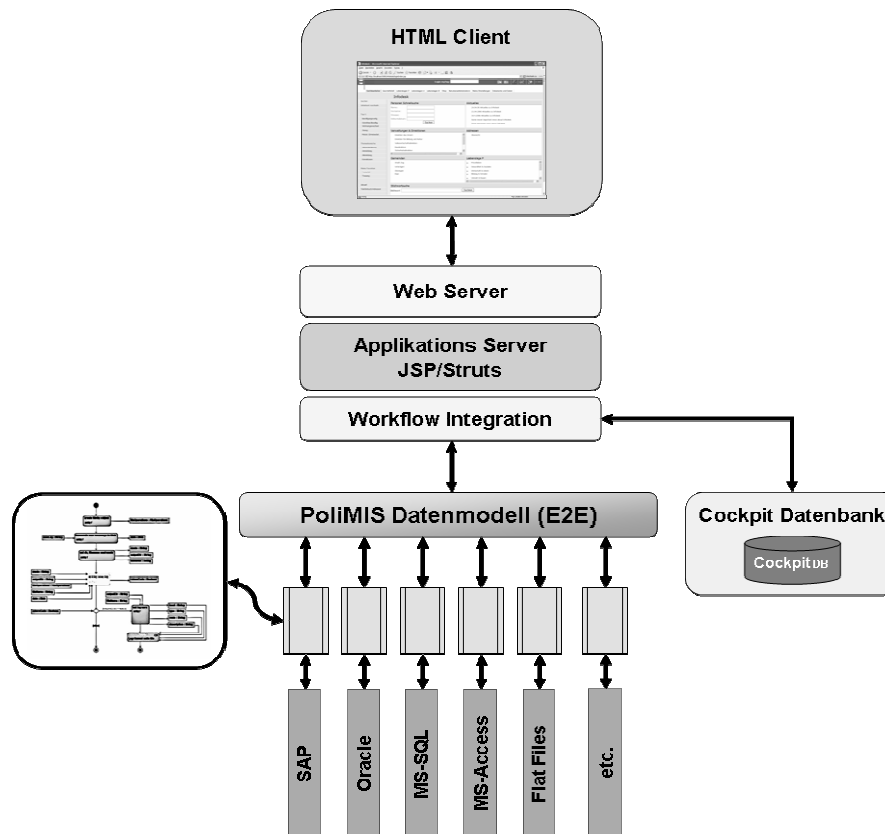
As management and communication tasks became increasingly complex, the Basel City Cantonal Police Department required a management system based on key performance indicators (KPIs) to consolidate relevant and necessary information from the many existing source systems, and make this data efficiently available to senior police officials.

Certain information was managed redundantly in various systems – a practice which led to discrepancies in KPIs and poor overall data quality. The main challenge was the technical data integration, which had first to be extracted and consolidated from over 80 different applications. The spectrum ranged from Access databases and Oracle-based Police Force Deployment data, right up to financial data in an SAP® environment.

Solution

A centralized business integration model in UML® determines which data are used from which system at which time for collecting the required information. The E2E Bridge®, a next generation Enterprise Service Bus based on a UML® virtual machine, the first solution for 100% Model-Driven Integration (MDI), executes this UML® integration model directly, thus ensuring rapid and high quality interface implementation – without programming.

A unique Management Information System for the police, PoliMIS, which has been tailored specifically for the Basel City Cantonal Police Department, provides the complex information in an efficiently visualized form in order to facilitate reporting and decision making. PoliMIS is based on the Dixendris Cockpit by Dixendris AG, who, as a service provider, was also responsible for the entire project implementation. The solution can be quickly adapted to changing requirements, or other police departments, and at low total cost.



PoliMIS system integration landscape