

**Project Note**

# Open-source prototype for a SOA platform

In this project, a prototype from open-source components was being developed for an SOA platform. The purpose of this prototype was to validate the requirements to be met by the platform and to ensure technical feasibility.

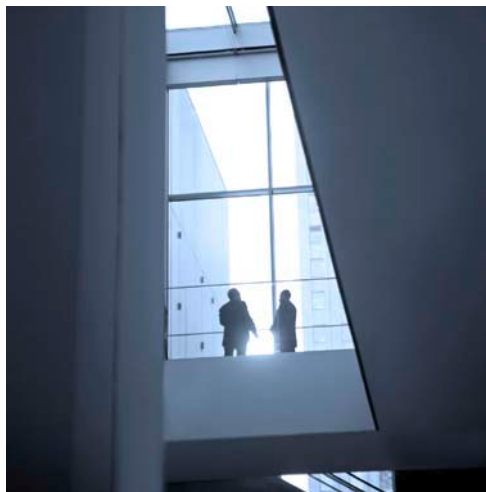
## Task

DZ BANK is the fifth largest bank in Germany and is acting as central bank for approx. 1,000 cooperative banks. As a cooperative commercial bank DZ BANK is a well-known partner in Germany and abroad and can count on a long lasting business experience of almost 125 years.

The bank's already established EAI platform was to be expanded with the installation of a service-oriented platform. This new platform was to be added to the legacy integration architecture so the latter could also handle service-oriented requirements.

## Implementation

Based on internal bank requirements and drawing on the experience of Zühlke, the project team drew up an architectural concept for the service-oriented platform (SOP) of DZ BANK. This concept was independent of any specific type of technology and free from specific product features. The team demonstrated the feasibility of the concept by implementing the SOP with a prototype based on open-source components. That kept the required investment low. Based on the architectural concept and the prototype, a service development framework was created in the project to help the pilot projects to define and implement the service-oriented interfaces. The architectural concept consistently abided by SOA standards, rendering the pilot projects largely independent of the details of a later implementation.



## Technical Data

Apache ServiceMix  
Apache Axis  
IBM Websphere MQ  
Eclipse  
Java

## Customer benefits

- Support from the Zühlke experts enabled the project group to implement the prototype quickly and to validate the architectural concept early on.
- The customer's team accumulated practical expertise before taking further investment decisions.
- The implementational maturity and complexity of the SOA standards for the desired application became evident.

Zühlke Engineering AG  
Wiesenstrasse 10a  
8952 Schlieren (Zurich)  
Switzerland  
Phone +41 44 733 6611  
Fax +41 44 733 6612  
info@zuehlke.com  
www.zuehlke.com