

Project Note

Modern Java EE solution manages insurance payments

A solution based on Java EE was to replace the extensive host application for the management of periodic insurance payments. Zühlke assisted in developing the core application by managing the team and handling Java development.

Task

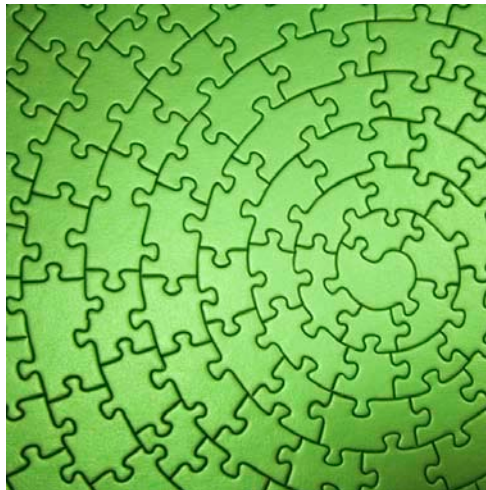
The Swiss National Accident Insurance Fund (Suva) was planning to install a modern multi-tier application to replace the highly stable host application that had been developed over the previous 30 years. The new application had to be able to cover the complete scope of functions immediately whereas the old application had been successively expanded and perfected by a handful of individuals.

The application manages the basic data for monthly or one-time insurance payments. SUVA employees record these data and process them based on the course of the insured party's illness. Special services are initiated periodically, which, for example, trigger the payments.

As the data has an average life of several decades, the data quality and the traceability of changes were key aspects for the new application.

Implementation

The new system for the management of periodic insurance payments is based on a Java EE architecture in a BEA WebLogic cluster. The team opted for Bean Persistence as the system for saving the data and divided the business requirements into different services using Session Beans. For various calculations, the new application resorts to existing host services that have been adapted to the new requirements. A Java EE server compiles the monthly data and forwards them to the accounting system in SAP for pay-out. Statistical data and data for correspondence are sent to surrounding systems via Web Services.



suva

Technical Data

Java EE

BEA WebLogic Server

Swing

JUnit

Rational Rose

Eclipse

MKS

Customer specific RUP

Customer benefits

- The project succeeded due to the Zühlke team's flexibility and willingness and their years of experience with Java EE.
- Thanks to the expertise transferred to them during the project, Suva employees are able to maintain the application and further develop it without difficulty.

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