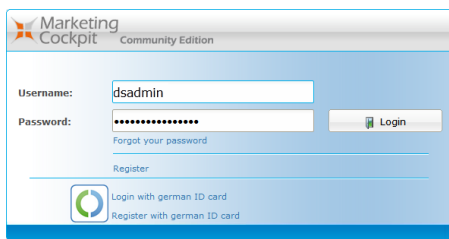


doubleSlash

doubleSlash started to develop secureTransfer since 2009 and progressing rapidly with ZK.

“New forms can be created in just a few minutes and easily be connected to entities using data binding, ZK was just the best choice!”



ABOUT DOUBLESASH

Based in Germany, [doubleSlash Net-Business GmbH](#) offers a wide range of IT-services including consulting, conceptual design, IT-architecture, programming, support and service for medium to large businesses.

doubleSlash brings to its customers the expertise in the management and development of enterprise software projects. doubleSlash started to develop secureTransfer since 2009 and progressing rapidly with ZK.

THE PROJECT

“secureTransfer” is a web tool for secure file transfer, especially in a corporate environment. It features an easy-to-use interface with an intuitive design and a rock solid user management system.

“Since it is accessible from everywhere, it makes simple data exchange possible for everyone while still maintaining security. This is something left behind by most file transfer products!”

doubleSlash uses a Three-Tier-architecture with a ZK-based frontend. The backend is entirely written in Java and deployed in Apache Tomcat. Since the backend is split into several services, it can be run in multiple Java-VMs which communicate using CORBA. The backend services use the Java-Persistence API (JPA) to access an Oracle database. Due to the use of JPA, other database types such as Microsoft SQL-Server or IBM DB2 can easily be supported as well.

For security reasons, the Apache Tomcat is not directly exposed to the internet but accessed by a Apache HTTP-Server which encrypts the entire data transferred from and to the users using SSL and provides load-balancing. Apache HTTP-Server and Apache Tomcat communicate using the AJP-protocol.

THE CHALLENGE

For doubleSlash, the first challenge of this project will be usability and user experience: The development of a GUI should be easy to

“They were easy to implement and, more importantly, to customize. With ZK, it was all possible!”

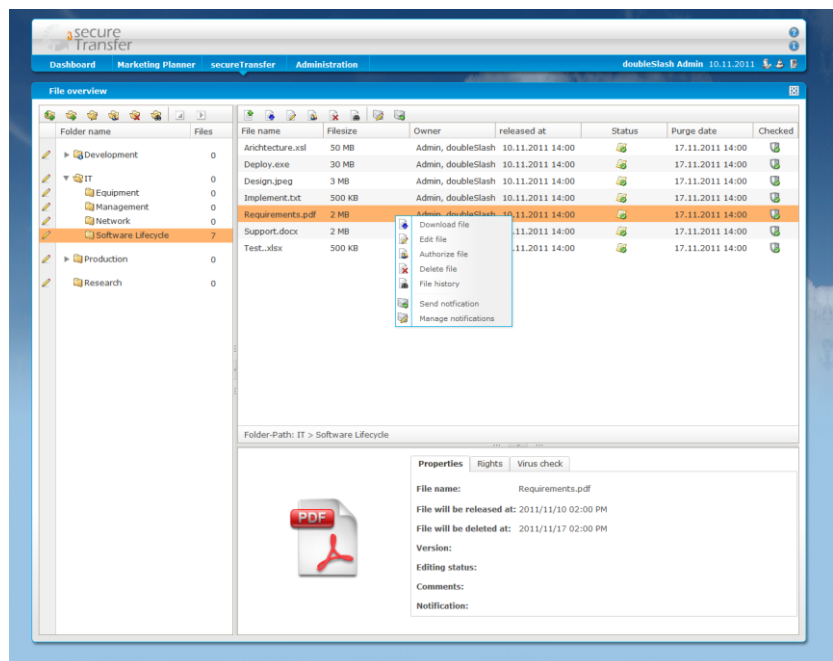
use by people familiar to Windows Explorer.

Another challenge was the creation of an integration platform to simplify the implementation of new parts of the application using one common design and technology. It had to provide a fine-grained role-based security concept.

WHY ZK

At first, doubleSlash was working with ExtJS and Servlets, after a period of evaluation; they decided to use ZK mainly because of their friendly business model, full active support and the scalability its framework offers.

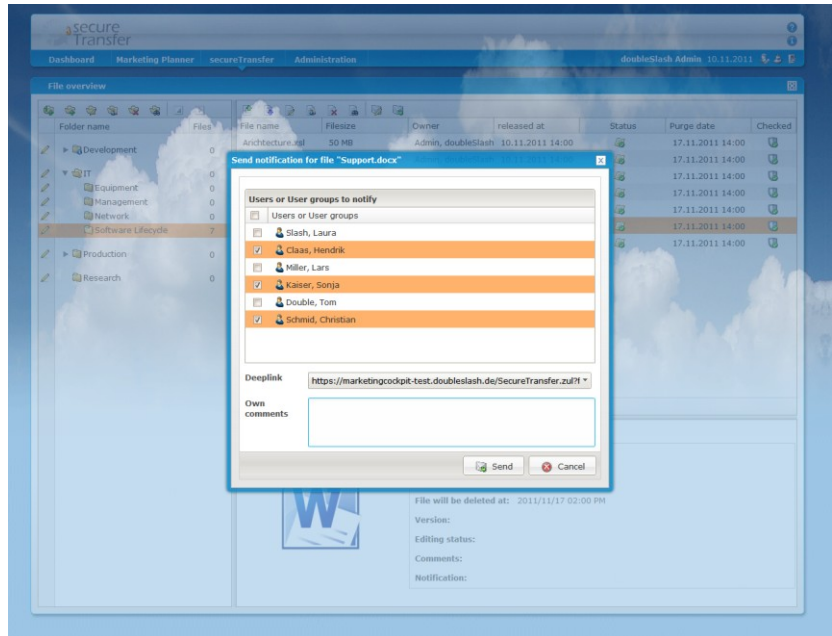
Most of doubleSlash’s developers are best at Java, and they want a framework which plays to their strength. With ZK, doubleSlash’s interface designers are able to work with ZUML (ZK User Interface Markup Language) without having to think about communication with the backend. On the other hand, the Java programmers can stick to their familiar IDE, Eclipse, which ZK provides a great plugin for.



Another main advantage is the incredibly rapid development: “New forms can be created in just a few minutes and easily be connected to entities using data binding, this mechanism wires the UI components and the data objects with automatically, ZK was just the best choice!” “If a question occurs or an issue arises, the people in the forum respond very quickly and provide useful information.”

doubleSlash was mainly working with form elements, trees and lists. “They were easy to implement and, more importantly, to

customize. Since we always had some extra features in mind, a framework low in flexibility will not qualify for our purposes. But with ZK, it was all possible!”.



THE RESULT

Using ZK to build “secureTransfer” allowed doubleSlash to handle all the challenges they faced in the best manner, especially the GUI customization needed to fulfill the requirements of their customers.

“We were able to develop an application with a very pleasant and convenient GUI framework. It is working stably and it serves a great amount of concurrent requests. All security aspects including ssl-encryption are met. Customization of the GUI was easily using ZK’s Theme-Tool!”

About ZK

Potix Corporation develops and supports ZK, the #1 Ajax solution on SourceForge.net, the world's largest open source host. ZK has more than 1,500,000 downloads since its first release in late 2005. ZK is deployed by a large number of Fortune Global 500 companies, including Deutsche Bank, Barclays, Sony, Sun Microsystems and Toyota, providing them with the ability to rapidly create rich Ajax enterprise level applications.

Contact us

Potix Corporation
info@zkoss.org
www.zkoss.org