Who

Martin Pischky

Description

Report Tools publishes the reports generated by Eurex and Xetra during Batch phase for every business day to Commerzbank Intranet. It also ensures that only authorised users have accesses to the trading, clearing and administrative reports and raw-files. All reports can be selected by date and will presented to the user in text, HTML or PDF format.

Tools/Technologies

- Sun Solaris 8
- Apache HTTP Server 1.3
- Jakarta Tomcat 2.3 (Java Servlet and JavaServer Pages engine)
- Ghostscript and a2ps for generation of PDF on the fly
- Shell CGI programs
- JavaServer Pages (JSP)
- JavaBeans
- Deployment of Webapplications as WAR-Archive
- Shell Scripts for administrative tasks
- bzip2, gzip compression
- Virtual hosts
- MVC pattern (Model-View-Controller) for JSPs
- IBM Visual Age for Java

Tasks

- Analysis of user demands and system requirements
- System design
- Prototype creation (on Solaris 2.6)
- Installation of development and test environment on Windows NT 4 and Solaris
- Compilation, configuration and installation of Apache, Ghostscript, A2PS and Jakarta Tomcat for Solaris versions 2.6 and 8
- Programming of a CGI Shell script to uncompress report and raw-files and format them as text, HTML or PDF on the fly on user request.
- Programming of Shell script for automatic compression of Report files
- Programming of JavaBeans be used as model for JSPs for mapping the file system structure of Report and raw-files to business dates and categories
- Design and Programming of user interface for selection of reports by date and type as JSP
- Configuration of Apache to request Basic authentication from Browser for specific virtual hosts.
- Programming of Shell scripts for user administration (add, remove and list user) for each virtual host
- Configuration of different virtual hosts for Eurex, Xetra (both for simulation and production environment)
- Deployment of one configurable WAR archive for different environments (Xetra/Eurex, simulation/production)
- CGI program to allow users to change there own password
- User manual and documentation about installation, administration and system-design