

Huawei Technologies

Established in 1988, Huawei Technologies (www.huawei.com) is a private high-tech enterprise based in China which specializes in research and development (R&D), production and marketing of communications equipment, providing customized network solutions for telecom with there following categories of products fixed network, mobile, data communications and optical networks ranging from switching, intelligent network, support network, GSM, GPRS, ATM to other key telecom technology fields. Most important, Huawei's products are based on its independently designed ASIC chips. Its ASIC design is among the most advanced in this field worldwide.

Solution Overview

Electronic Document Management System

Operating System

Windows NT 4.0 (SP 6) with a level 4 JDBC driver.

Overview of the technologies used:

The Genisys Solution to Huawei CoD is in JSP, Servlets and Beans. The architecture revolves around the TomCat servlet container using Microsoft SQL Server 7.0

Genisys Solution

Genisys Software took on the activities of design, development and complete implementation support to offer a reliable, robust and scalable application

The entire Document Management System has been divided into five modules:

- **Masters**
The module allows the administrator of the system to manage the users, groups and document types. This includes the assigning of the relevant privileges to the users on various reports available.
- **Document Manager**
This module enables the users with the appropriate privileges to create and manage the project, folders and the documents contained therein. The user can log the access details of the documents and also view the checklist violations on a project.



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The Business Problem

Huawei Technologies India Pvt. Ltd. (HTIPL) approached Genisys Software for an intranet based document management system for its CoD (Co-operation Division). Huawei's CoD specializes in outsourcing software development projects to companies in India. The objective of this document management system is to streamline the flow and management of documents with partners organizations in a more collaborative manner.

Below are the key features of the system:

- The system helps in providing a centralized location for the different documents used within different projects
- The system provides a control mechanism for better security and control of the documents pertaining to each project
- The system generates a number of reports that will provide a summary as well as. CSV based data dump that can be extracted within Excel
- The system also has a task management module that will help users to create and assign tasks to others and follow them to completion

- **Task Manager**
The module provides the user the functionality of assigning and tracking the tasks to other users. The module also ensures that mails be sent to the assignee and the verifier of the tasks on the task status.
- **Reports**
This module allows the user to create, modify and delete the reports. The search facility incorporated would make the user search for the appropriate reports.
- **Utilities**
The module offers to the users the utility services that include changing the password and searching for the tasks.

Benefits

The complexity of the various business processes that embody the application offered a formidable challenge in the terms of performance and scalability. The developed application has undergone through a rigorous process of testing for its reliability, robustness and stability.

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