

CHRONOS SYSTEMS SOLUTIONS

Intranet Portal with SharePoint Server Customization



Chronos Systems completed an intranet development project based on Microsoft SharePoint Portal server and using the built-in back-end functionalities fully customizing the front-end.

BUSINESS OBJECTIVES OF THE PROJECT

There was a requirement to create a centralized repository for storing and distributing electronic information.

Further requirements:

- Reduce heavy email traffic with large attachments
- Version control of documents
- Usage of documents should be monitored
- Improved security of the information (Document access is limited by the users' personal access rights)
- Integrity of the information
- Bilingual user interface
- Customized user interface for different departments
- News publication capabilities

Chronos Systems has completed the above requirements by using Microsoft SharePoint Portal Server

and customizing the graphical user interface.

PROJECT FEATURES

Site Structure

The site layout consists of the following parts:

- Top Frame Navigation
- Language Selection
- Department Navigation
- Search Tool
- Content Area
- Right Hand Frame / Right Hand Menu



Each department has a different **home page** within the site. The main entry points of the site are the department navigation menus.

By selecting a department the home page of the department is displayed in the main content area and the right-hand menu displays

the document hierarchy of the selected department.

Document management

Documents can be uploaded into the central document repository or **workspace** by means of the SharePoint client tool.

The SharePoint client makes it possible to access the document workspace through Windows Explorer. The document hierarchy (web folder structure) is displayed similarly to a normal file folder, however additional functionality is available, such as:

- **Check in, check out** of a document
- **Publishing** of a document
- **Approval**

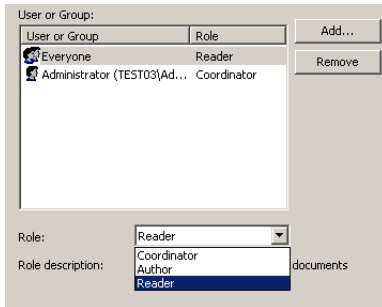
The SharePoint Portal Server offers the following features to manage documents:

- Document **publishing control**
- **Version tracking** to record the history of documents
- Application of descriptive, searchable information (**metadata**) to identify a document.



Role based security

The SharePoint Portal Server controls access to documents by using role-based security. It defines three roles.



- **Coordinator:** Assigns roles and organizes information in the workspace.
- **Author:** Creates and edits files, and has access to the earlier versions of the files (version history).
- **Reader:** Searches for and views published versions of documents.

User/group management

Windows domain user and group information is available, no separate user/group management is required.

Administration tool for coordinators

Chronos Systems has developed an additional web-based administration tool to support the maintenance of the site and extend the built-in capabilities of the SharePoint Portal Server.

The main features of the admin tool are:

- Manage folder settings
- Uploading HTML formatted content

- Handle language translations of the folder names
- Modify document language
- Manage news publishing
- Statistics–document usage

Accessing document

Users are able to access documents stored in a SharePoint workspace by using the right-hand menu navigation.

This menu structure is generated dynamically based on the folder hierarchy of the workspace.

Only those documents are visible which the user has at least read access to.

Each document can have several separate **language translations**. The documents are visible according to the language selection.

Additional functions of the site

There are some additional functions of the site, which are not based on SharePoint capabilities:

- Site Map
- Favorites
- On-line help