



Sumatra Learning Management System (LMS)

A Learning Management System (LMS) is the core of a corporate or departmental E-Learning solution. It provides a central platform for the learners (users), content and resources.

Sumatra LMS is an advanced system (a.k.a. platform), which was developed on the base of current web technology. Users are communicating with the LMS via current standard web browsers such as Microsoft IE or Mozilla Firefox. Thereby, the platform can be configured in order to support Intranet and Internet access simultaneously. User authorization can be handled depending from where the platform is accessed. Users are stored in the platform according to their role within the organization, respectively within the training process (learner, trainer, manager, author, administrator etc.). In reference to the assigned role a profile controls the functions and privileges available.

The LMS further provides a virtual library where the entire set of training material is recorded. This material is delivered to the users via the LMS, for instance in the form of a WBT (Web Based Training).

Sumatra LMS was designed with the E-Learning standard **SCORM** in mind from the beginning on. Therefore, all courses that are compatible to this standard can be seamlessly integrated into the system.

In addition, the User-Tracking (recording of learning results, bookmarks etc.) was built following the complete SCORM

data model (LMS-RTE3).

The platform offers portal functionality in order to present training offers and current information. **Sumatra LMS** also features a Content Management subsystem, which allows you to upload any document or media onto the system. Access to the documents is controlled through several privilege levels

and by the membership of the individual user to specific groups. To enhance communication among users E-Mail, News Forums, Chats and Whiteboard are supported.

Sumatra LMS can work in parallel with several database users or databases and in different languages. It can be adjusted to project needs (i.e. with one of the LMS options).

Functional Overview

Architecture, Portability and supported Servers

Sumatra LMS was entirely developed using J2EE (Java 2 Enterprise Edition). It can run on all popular UNIX, LINUX or Windows systems.

The application supports the 3-tier architecture which separates Web Server, Application Server and Database Server. Among supported

Database Servers you can choose between Oracle, DB2, MySQL and in the near future MS SQL Server.

Scalability and Security

Sumatra LMS is fully scalable. By the use of Load Balancing hundreds or thousands of simultaneous users can work with the platform. Access to it can be configured to make use of the HTTPS protocol only.

Passwords are encrypted by default. In a typical **Sumatra LMS** installation one will find the Application and Database Servers in the Safe Zone of your organization. Web Servers can be found in the DMZ or either in the Safe Zone.

Another issue to bear in mind is that the platform does not require any plug-in in the Web Browser of the client.

Sumatra LMS

is the platform giving you a multitude of options and the full security of a solution proven in the large corporate field with thousands of users.