



JDH TECHNOLOGIES

White Paper

Learning Management System (LMS) Integration with Web-4MTM

LMS/Web-4M Capabilities

Learning management Systems (LMS) are in use today in many organizations (universities, schools, corporations). Traditional LMSs provide a content repository for course materials as well as facilities for student (trainee) tracking and management. Additionally, some LMSs provide authoring tools, assessment tools and communication tools, such as email and discussion groups.

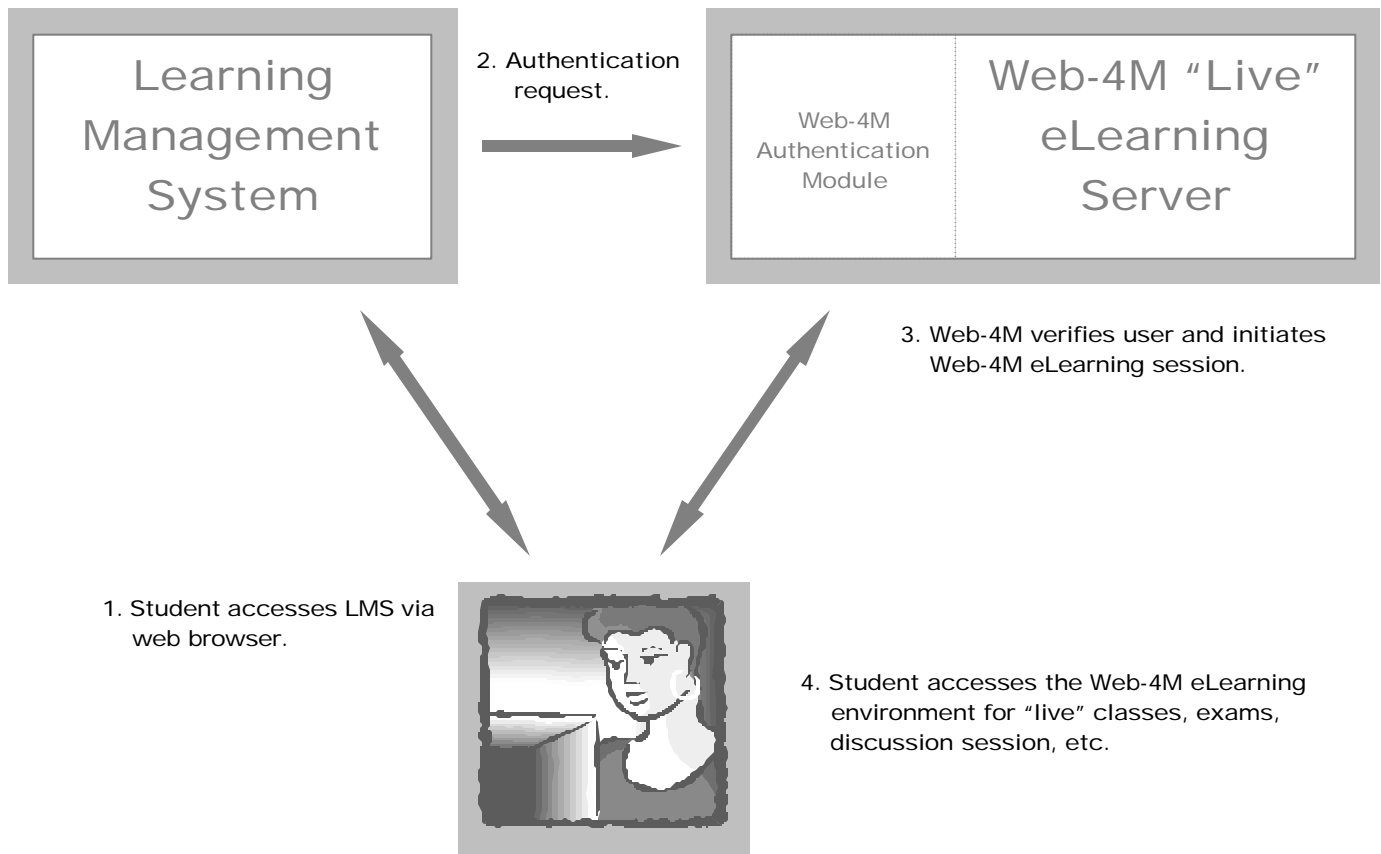
Web-4M is an eLearning environment with a configurable tool suite for both asynchronous and synchronous (“live”) presentation, assessment, collaboration and eLearning. Web-4M can be run in tandem with an LMS to provide a richer set of course/module delivery tools. The table below shows typical LMS capabilities and Web-4M tools that may be added to an LMS environment.

Typical LMS	Web-4M Configurable Tools Suite
Course Repository	Virtual Classroom
Student Database	Conference Audio
Assessment Tools	Slide Show
Authoring Tools	White Board
Email	Chat
Discussion Groups	Polling/Questions
	Synchronized Browsing
	Video
	Yo – Instant Messaging
	Phone (2-way, voice over IP)
	Video
	Application Sharing
	Document Browser
	Group Editor
	Conference Player
	Conference Editor
	Slide Show Builder
	Question Builder
	Response Viewer
	Email
	News/Discussion
	Calendar
	Palm Sync

Table of typical LMS components and Web-4M tools.

LMS/Web-4M Integration

The Web-4M server runs in conjunction with a web server on any Windows NT/2000, Solaris or Linux machine. Web-4M has a built-in Application Programming Interface (API) that allows an LMS to pass user authentication information to Web-4M. Typically a student or instructor will login to the LMS from a web page. This login information is passed to the Web-4M server and a Web-4M session is established in tandem with the LMS session. The student can now access Web-4M's capabilities in addition to those provided by the LMS. Since the Web-4M client is browser-based, the student (or instructor) is able to access web-accessible course materials from within the LMS or from within Web-4M.



Typical LMS/Web-4M communications.

The combination of Web-4M with an LMS creates a powerful solution that addresses both asynchronous (anytime) and synchronous (real-time) learning paradigms, to better meet the needs of instructors and students.

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