

E-learning Τεχνολογίες

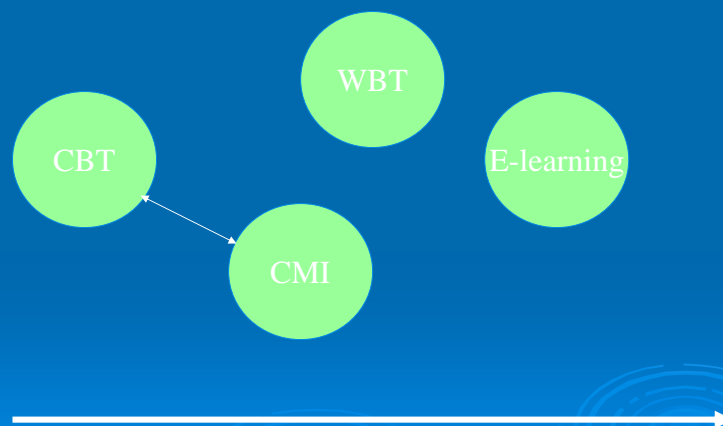


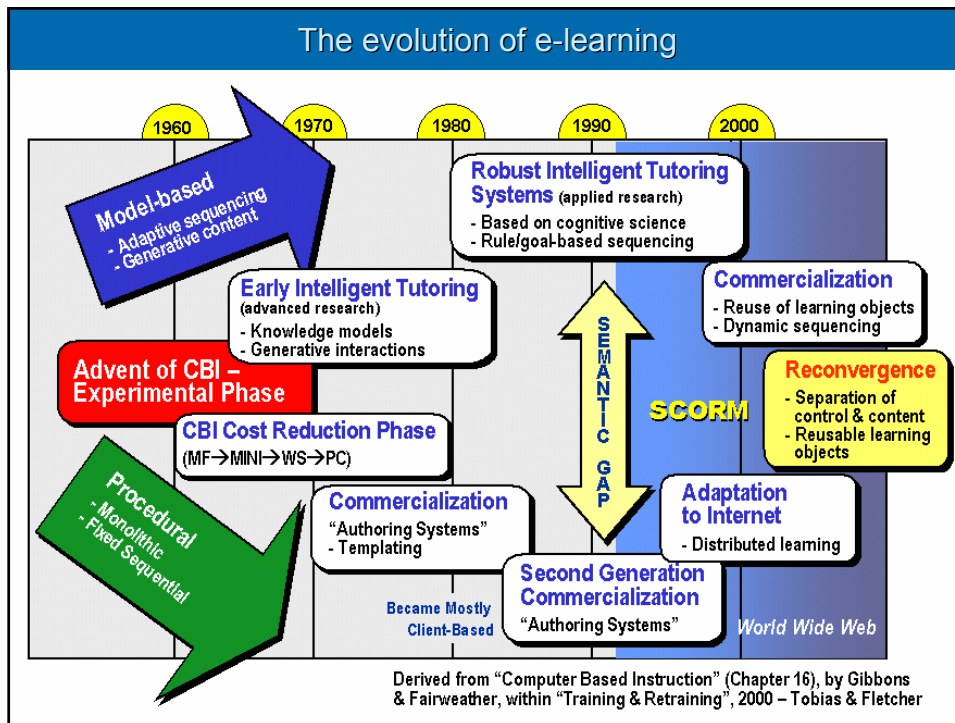
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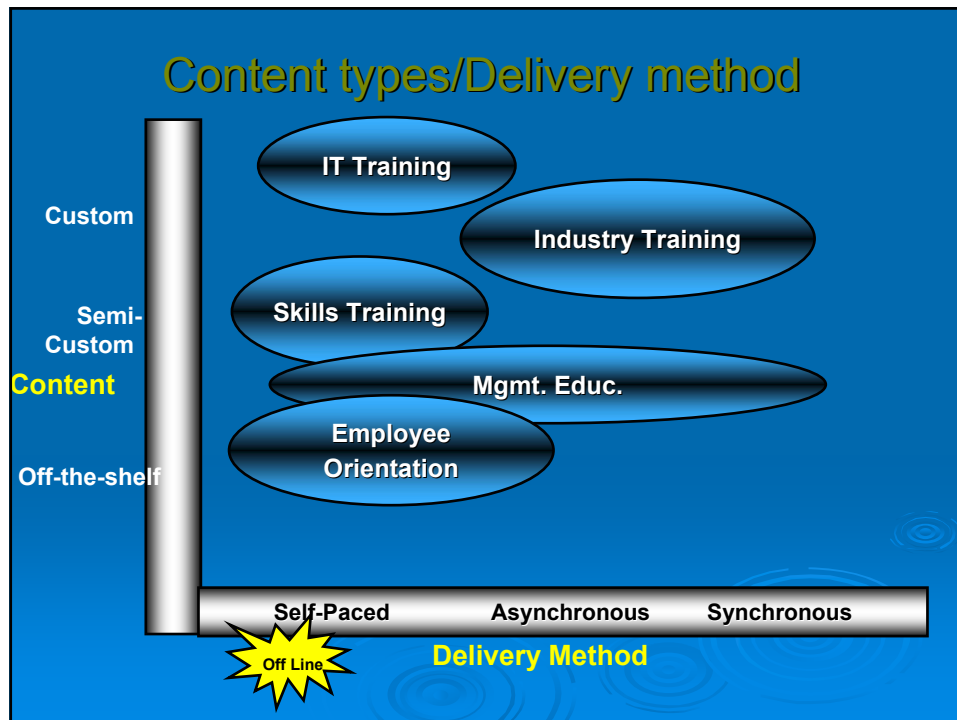
The evolution of e-learning





Models of e-learning:

- The Virtual Classroom
- Collaborative Learning
- Self-paced learning
- Blended Learning



Self-paced learning

From CBT and WBT to e-learning(LMS)

1. Sequencing and navigation
2. Tracking
3. Delivery management

Services offered by an LMS system (previously called CMI)

Delivery management

Users :

1. Student
2. Tutor
3. Author
4. (Administrator)

Courses

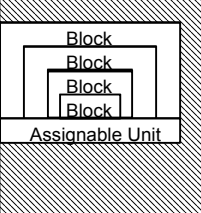
Standards AICC

➤ AICC

First release Oct 1993

1. Communication between a CMI(LMS) system and a lesson
2. Moving a course between different CMI(LMS) systems
3. Storing lesson evaluation data

AICC Hierarchy

Hierarchy	Level	CMI Structure
Curriculum	1	
Course	2	
Chapter	3	
Subchapter	4	
Module	5	
Lesson	6	Assignable Unit
Topic	7	
Frame	8	
Object	9	

... accomplished by a student in a continuous effort -- that is at one sitting. That part of the learning that is between designed breaks.

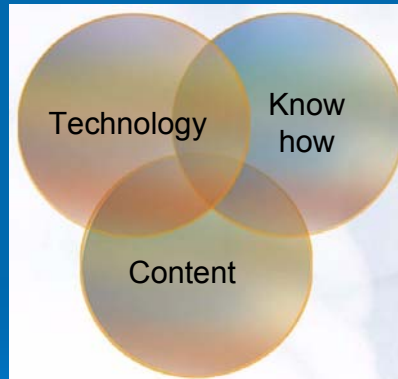
•The least assignable unit

Standards

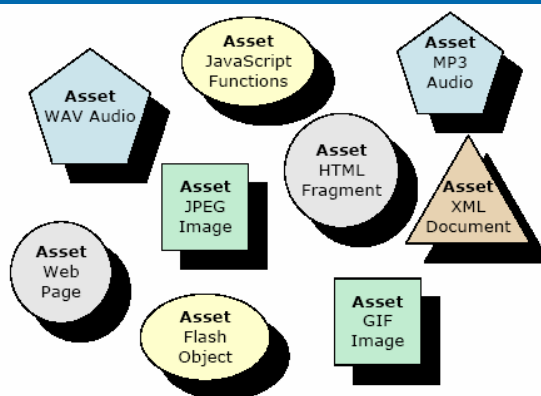
➤ SCORM (Sharable Content Object Reference Model)

... aims to foster creation of **reusable** learning content as "instructional objects" within a **common** technical framework for computer and Web-based learning. SCORM describes that technical framework by providing a harmonized set of guidelines, specifications, and standards based on the work of several distinct e-learning specifications and standards bodies.

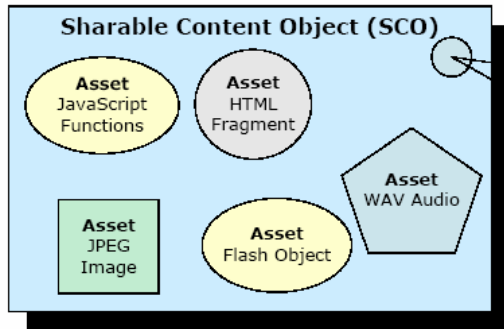
e-learning solution



Content organization



Content organization



SCOs must Initialize and Terminate communication with an LMS. The list below details the SCO provided functionality:

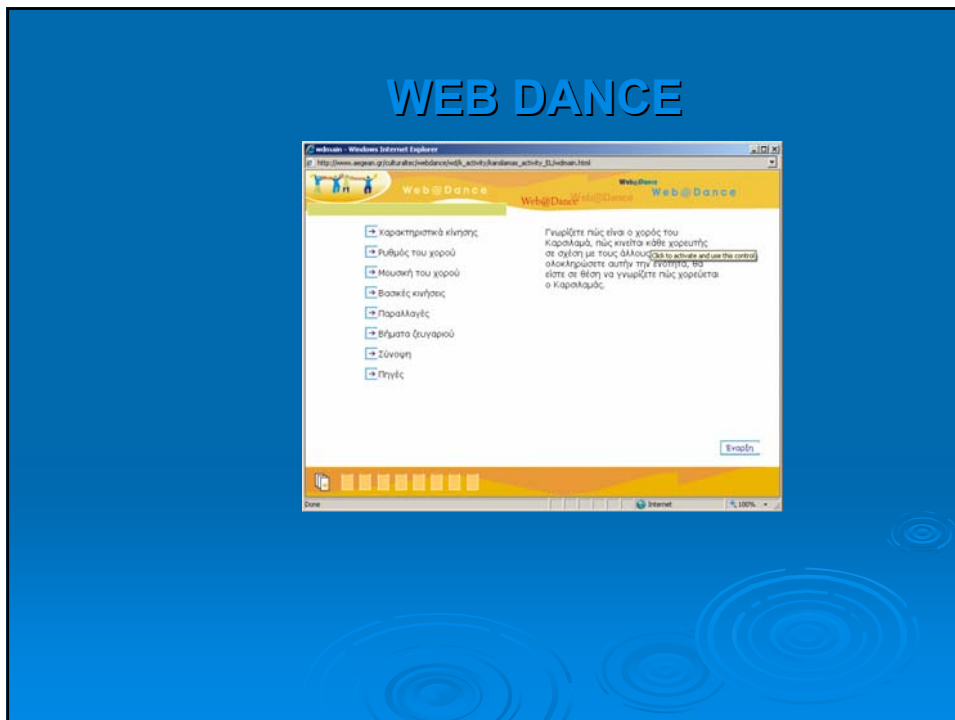
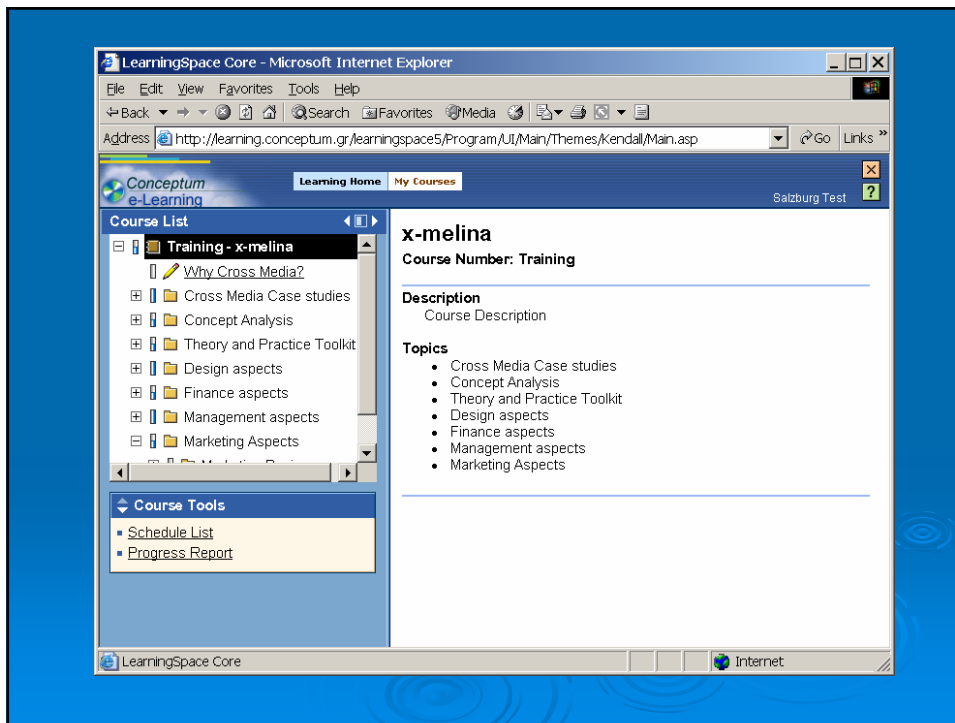
1. Find the LMS Provided APIInstance.
2. Use the API Instance to Initialize SCO Communication with the LMS
3. Optionally use the API Instance to Get and Set Values
4. Use the API Instance to TerminateCommunication with the LMS

Definition

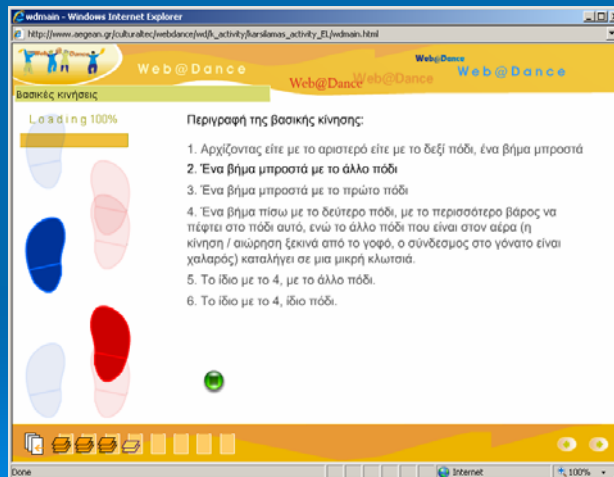
A SCO is a collection of one or more Assets that represent a single launchable learning resource that utilizes the SCORM RTE to communicate with LMSs.

A SCO represents the lowest level of granularity of a learning resource that is tracked by an LMS using the SCORM Run-Time Environment Data Model.

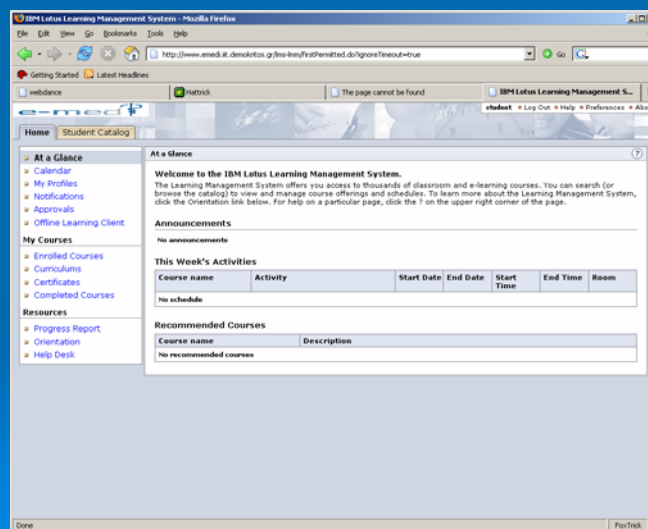
The only difference between a SCO and an Asset is that the SCO communicates with an LMS using the IEEE ECMAScript



<http://www.aegean.gr/culturaltec/webdance/wd/index.htm>



emedi



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The screenshot shows the 'My Enrolled Courses' page in the IBM Lotus Learning Management System. The page title is 'Enrolled Courses'. Below the title, there is a table with columns: 'Next Step', 'Course Name', 'Start Date', 'Status', and 'Collaboration'. The table contains three rows of data:

Next Step	Course Name	Start Date	Status	Collaboration
Launch	Case43 (201)			No Discussion
Inactive	CMF Test (201)			No Discussion
Launch	999-201 (0-201)			No Discussion

Navigation links '1-3-2' are visible at the bottom right of the table.

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The screenshot shows the 'Course Outline' page for course '999-201'. The page title is '999-201'. The main content area displays course details:

Welcome to 999-201

To complete the course, you must view and complete all activities listed under Course Outline.

- View an activity: Click on an underlined title in the Course Outline.
- See more Activities: Click in the Course Outline.
- Close this course: Click Return to LMS in the upper right corner.

When the course is complete, all of its progress icons show one of the following images:

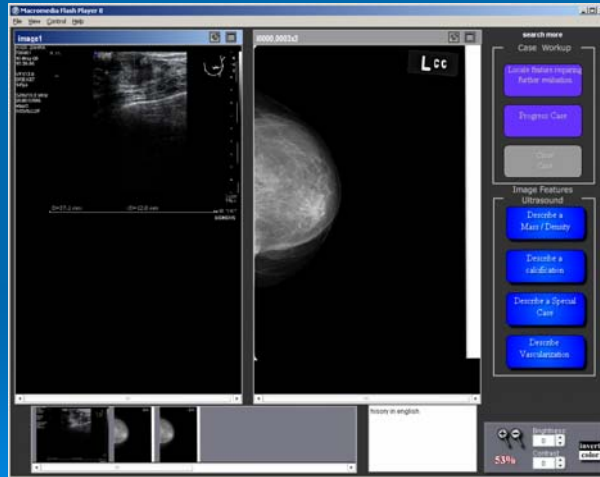
Details

Course Name:	999-201
Course Description:	999-201
Course Number:	48-201
Structure:	
Time Estimate:	00:00:00

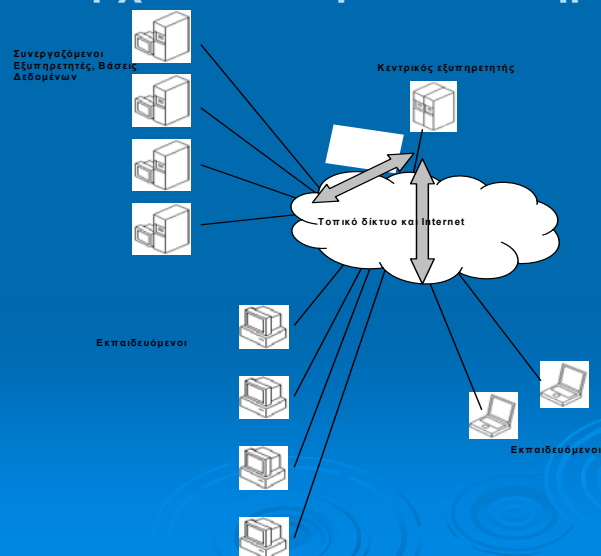
Progress

Completion Amount:	36%
Time Spent:	00:24:47
Start Time:	Jun 30, 2006 10:04:35 AM
Pass/Fail:	
Score:	
Times Attempted:	1
Last Accessed:	Mar 21, 2007 11:53:31 AM

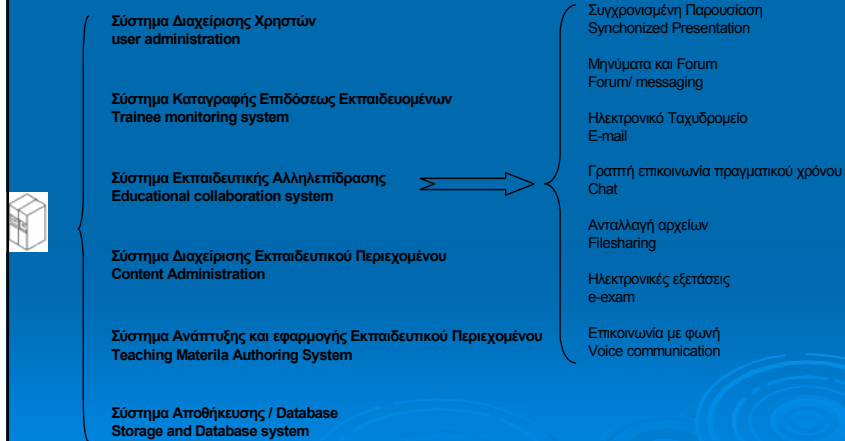
Emedi



Η Αρχιτεκτονική του συστήματος



Τα επιμέρους τμήματα της πλατφόρμας e-Cosmos



e-Cosmos

