

Platform developed by I.C.T. e-learning & New Media Area – Bipop-Carire



LMS – Learning Plaza® 2.0.0

Basic Features



Toulouse, AICC Meeting, October, 8 2003







Introduction

 Learning Plaza has been developed thanks to two important guides



CMI001v3.5 AGR010

... and by two persons:



Enzo Iodice



Maurizio Feruglio



Thanks to ...

- Then number of books is growing every day, but the 'Learning Plaza Team' is still made by two persons ... ©
- The most important thing to point out is that without the precious work of the persons who developed these guides and the dynamicness of our bank, my and Maurizio's work wouldnt'have been possible.
- I think this is the best opportunity to thank you for your fundamental contribution.



Origin of the name

- Learning Plaza is born officially during the AICC meeting in June 2002 (the first for me) at the Vienna Hilton Plaza, after that Jack, Bill and Anne had seen the beta version of the product (learning portal) working on my laptop.
- I think it was right to remember a very important event for our LMS.
- Learning Plaza is written in PHP4. The present DB is MySQL (soon PHP5 and Postgres)



Sections description

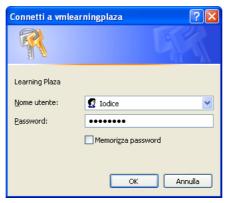
- Front End (users section)
- Back End (admin section)



Login

 User authentication via LDAP or integrated users management

The program makes a further LDAP query (in this kind of authentication) to retrieve information such as name, surname, office, department, etc. or can import *.csv files if the LMS must manage the users.



\$autenticazione_attiva = "si"; // si = autenticazione abilitata; no = autenticazione disabilitata \$tipo_autenticazione = "stargate"; //opzioni: stargate, Idap, active_directory, interna, locale.

//-----





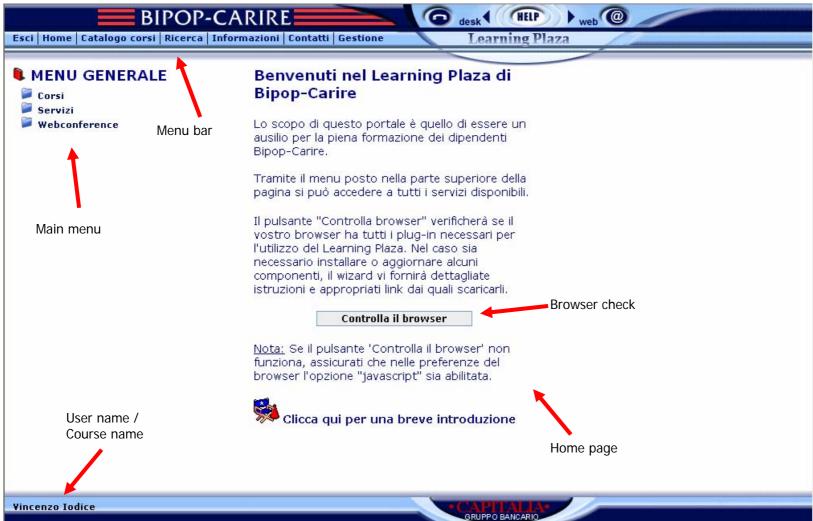
Users section

Learning Plaza front end





Interface description (Home page)







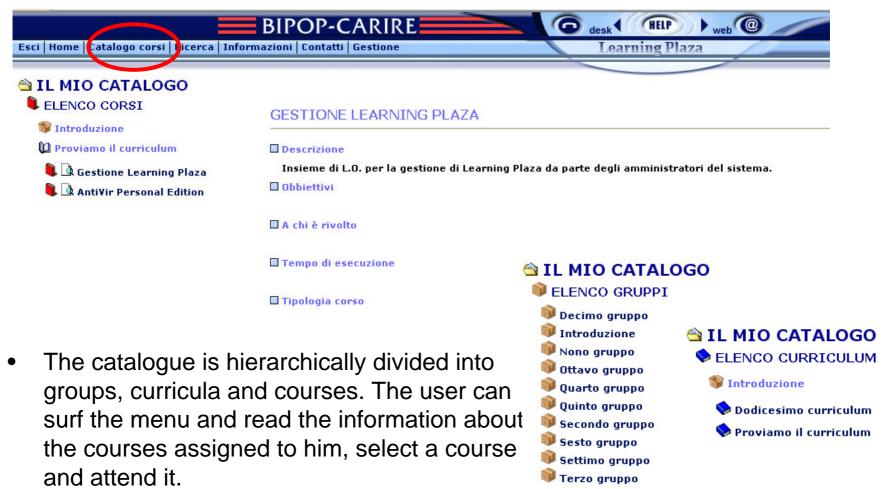
Menu bar



- Esci (Exit) to correctly exit the application
- Home to go back to the home page
- Catalogo corsi (Courses catalogue) (see slide)
- Ricerca (Search) (see slide)
- Informazioni (Info) general infos about ' 'Learning Plaza' (including the version number)
- Contatti (Contacts) infopage about tutors, admins, colleagues, etc.
- Gestione (Administration) (role-dependent): if the authentication is via LDAP and the user has the necessary rights, this menu is shown and the user is redirected to the application back-end without further logon (single sign-on).
- Link to other applications (Help desk, Help web)



"Courses Catalogue"



2003 I.C.T. Bipop-Carire, no reproduce without write permission



"Search"



Module for the advanced search of courses. It is possible to search for a single typology (forum, faq, news, course) or for all typologies. It is possible to set up a start date and and end date of the searched document, to look for a single word, a group of words or a specific sentence. The search gives a textual result showing the course, the news, the faq, and the found sentence.

Ricerca		
Cerca:		Tutte le parole
In quale campo?		
Tutti	Corso	
Forum	News	
Faq		
┌ Data		
	Data inizio Data fine	Giorno Mese Anno
		Cerca





Main Menu (Courses)

MENU GENERALE



Webconference

MENU GENERALE



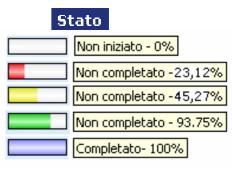




My courses



- My catalogue: hierarchically divided into groups, curricula and courses. The user can surf the menu and read the information concerning the courses assigned to him, then select a course and attend it.
- **Assigned:** shows the list of all the courses assigned to the user. The course name is visualized, as well as the activation date, the expiration date and the graphic visualization of the course status: not started, not completed, completed (with the related percentages when the mouse is positioned on the icon for more than a second), and the skill. A button (1) allows to show the general information of the course. Clicking the name of the course one can access the lessons.
- **Completed:** the courses already completed by the student are shown in this section. The student can attend again the course, but the score previously obtained will not be modified.











Assigned and Completed



I MIEI CORSI



	Corso	Data attivazione	Data scadenza	Stato	Skill
0	Corso di test	25/08/2003	25/10/2003		0
0	Come Gestire la contabilità di filiale	03/09/2003	03/10/2003		0

I MIEI CORSI



	Corso	Data attivazione	Data scadenza	Stato	Skill
0	Referente ICT Bipop-Carire	22/09/2003	22/10/2004		
0	e-Banking	22/09/2003	22/10/2004		
0	Esperto I.C.T.	28/09/2003	28/10/2004		0

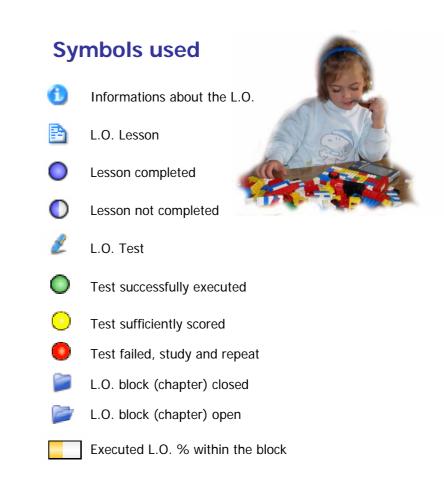
To access a course simply click the course name





How to execute the lessons (or the tests)





To access a L.O. (Learning Object) (lesson or test) simply click the L.O. name.



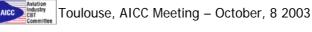


Main Menu (Services)



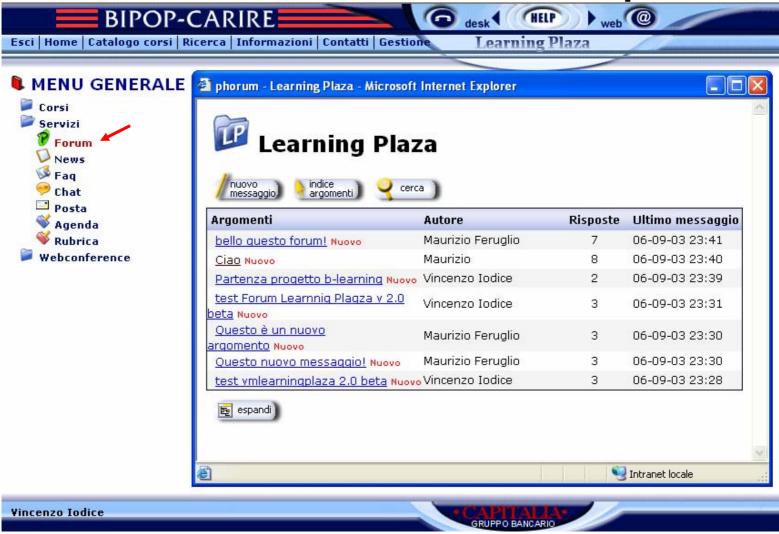
- Forum: PHP program with GPL license customized for Learning Plaza. The forum handles multithreading, that's the tree visualization of the various users contributions about a certain argument. The forum shown in the home page is a *general forum*. Each course owns its *specific forum* allowing students to exchange and ask information about the course they are attending. The forum is handled in the proper section of the back end.
- **News:** an ad-hoc created program for the LMS. It shows the news in a chronological order. The news are handled in the proper section of the back end
- Faq: built from the news program, it shows questions and answers. The administration is executable in the back end.
- Chat: PHP program with GPL license customized for Learning Plaza. The chat allows two or more users to dialogue by exchanging texts. The chat in the home page is general. Each course has its own specific chat allowing the students to exchange and ask information and opinions about the specific course. Entering the chat you get a list of all the connected users.
- Mail: Microsoft Outlook Web Access, it's an external link to the corporate mail server (any mail server can be used).
- Agenda: same as Mail.
- Rubrica: same as Mail.







Generic forum example

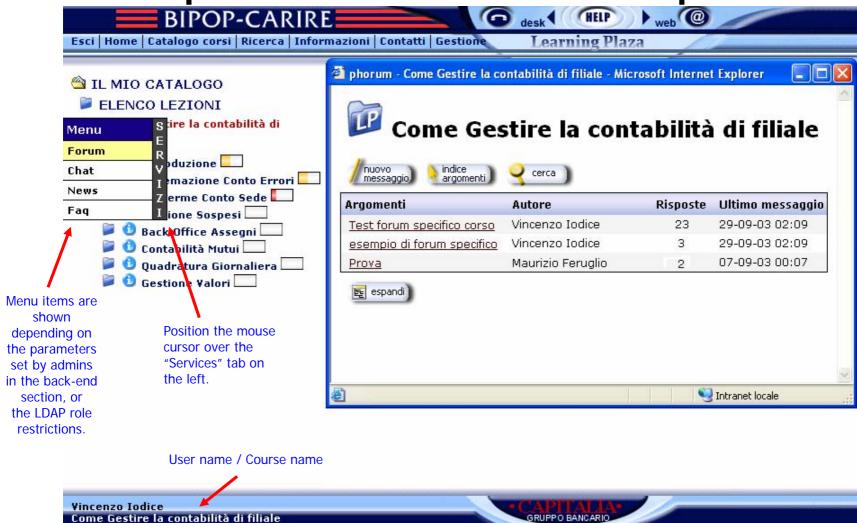




17 di 87



Specific forum example

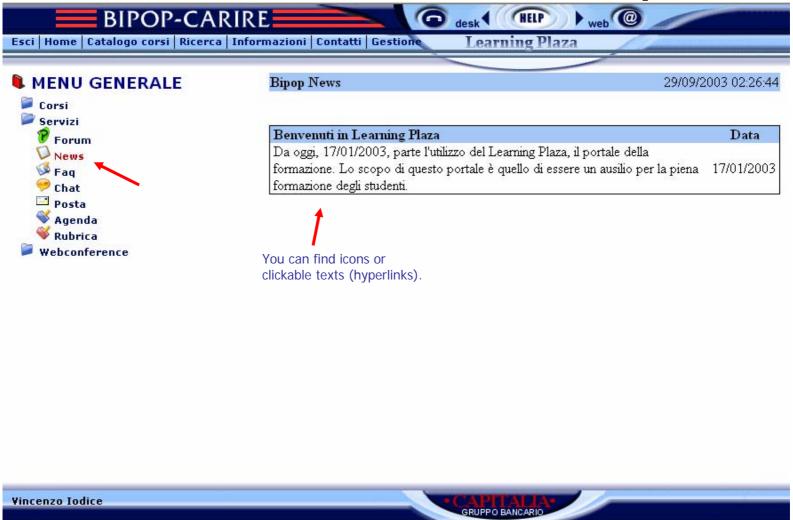


Enzo Iodice Info&Comm Technology E-learning & Area New Media





Generic news example



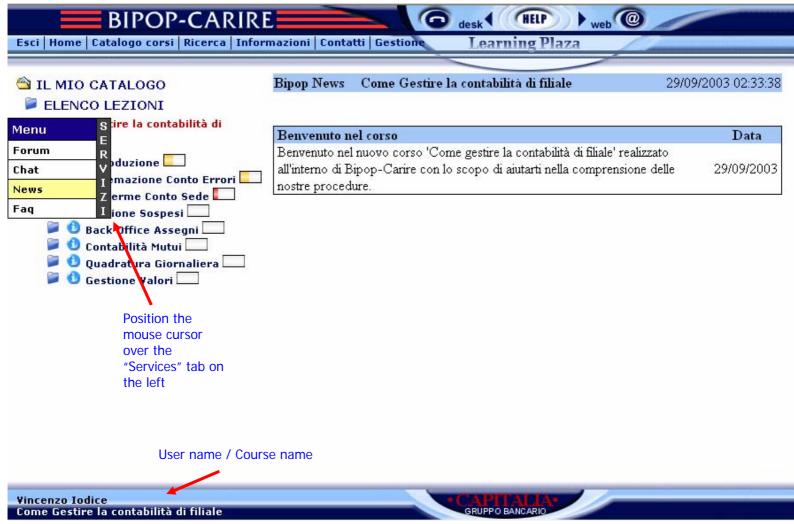
Enzo Iodice Info&Comm Technology E-learning & Area New Media



19 di 87

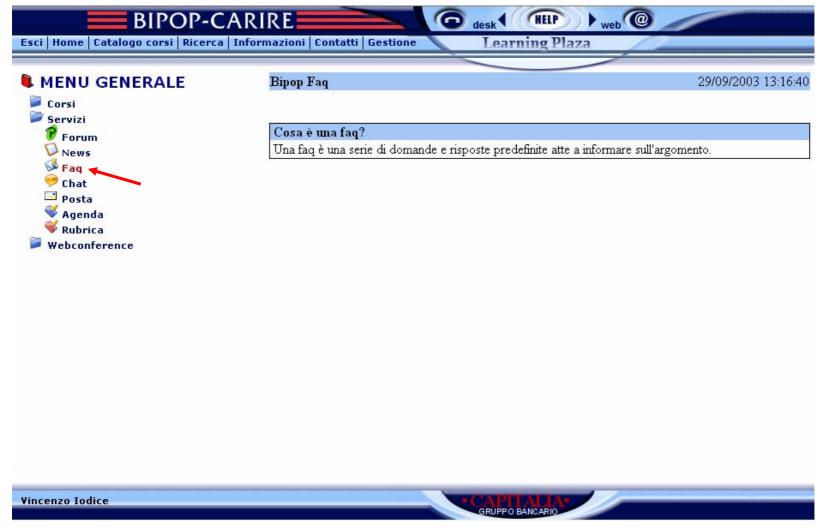


Specific news example



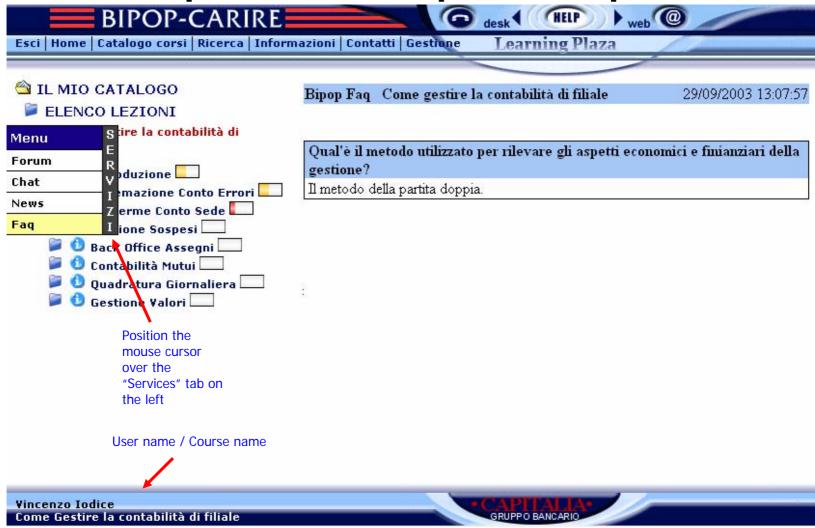


Generic Faq example





Specific faq example





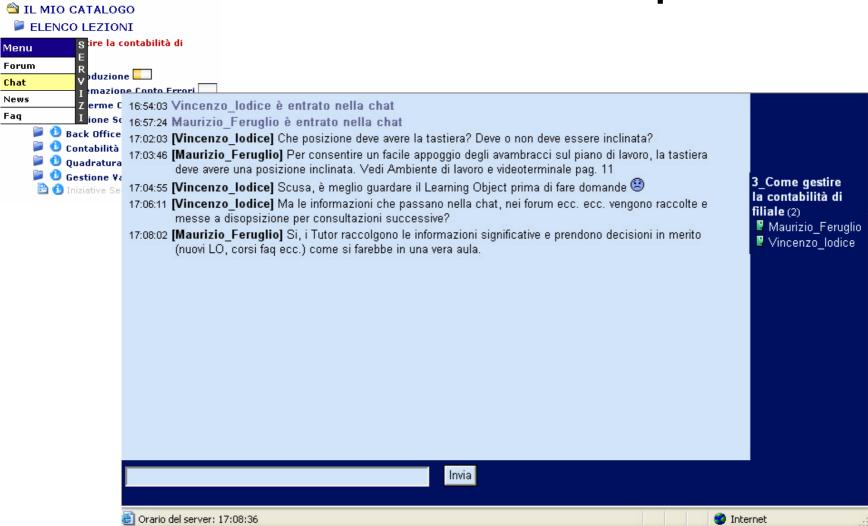
Generic chat example







Specific chat example



24 di 87



Main Menu (Webconference)

(Business TV)

- Live
- Recorded



- The Webconferences manager is a separate module integrated in Learning Plaza.
- Le web Conference vengono usate anche per creare velocemente corsi (che tracciamo).



Webconference example





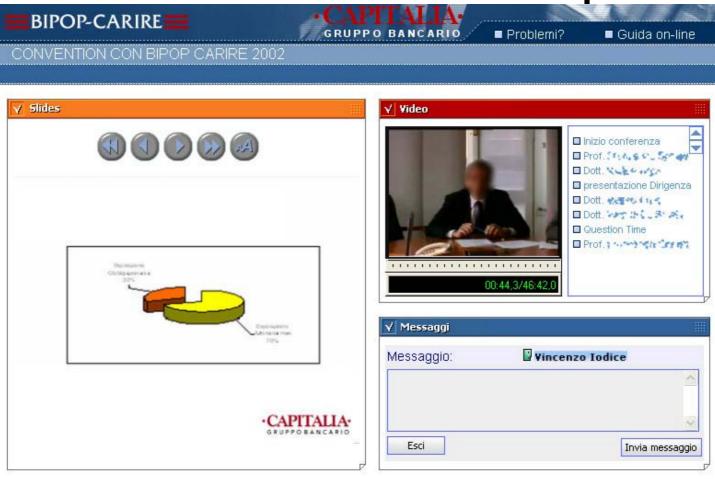


BIPOP-CARIRE S.p.A. Info&Comm Technology Brescia (Italy) E-learning & Area New Media

Esci



Webconference example 1



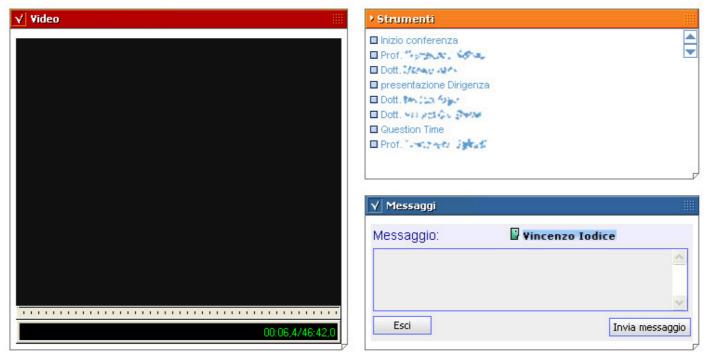
- Note: webconferences are interactive, the speakers can answer immediately to all the questions in a specific section.
- Questions and answers are automatically archived by category and made available (if the speakers allow) for subsequent queries.





Webconference example 2





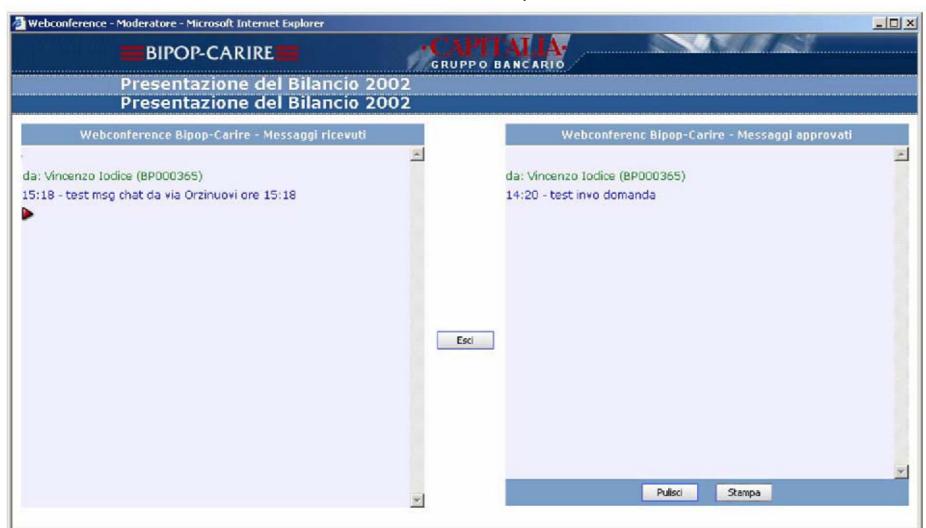
- Note: webconferences are interactive, the speakers can answer immediately to all the questions in a specific section.
- Questions and answers are automatically archived by category and made available (if the speakers allow) for subsequent queries.





Web Conference - Chairman

The Chairman user has a particular role.









Administration side

The Learning Plaza back-end



The state of the s



Back end



			<u> </u>
	Nome corso	Descrizione	Attivo
0	Come Gestire la contabilità di filiale	Questi sono i 25 learning objects per la formazione dei neoassunti	
0	Corso di test	Corso di test per verificare le nuove fonzionalità ed icone della ver. 2.0 beta	•
0	e-Banking	LO e-Banking Bipop-Carire (Arthorware)	
0	Esperto I.C.T.	Insieme di questionari per individuare referente I.C.T.	
8	Referente ICT Bipop-Carire	LO di test SKILL GAP Analisys (Authorware)	•

Vincenzo Iodice

Enzo Iodice Info&Comm Technology E-learning & Area New Media



31 di 87



Menu bar description



- Esci (Exit) to correctly exit from the application.
- Corsi (Courses) to access courses administration, that's create, modify or delete courses.
- L.O. (Learning Objects) to access the LO administration, that's create, modify or delete the LO settings.
- Gruppi (Groups) to create groups of course curricula
- Curriculum (Curricula) to create curricula (groups of courses of the same type).
- Statistiche (Statistics) (see slide)
- Servizi (Services) (see slide)





Statistics



Statistica	Descrizione
Accesso ai corsi	Visualizza il numero e la percentuale di studenti che hanno iniziato o completato il corso
Elenco studenti	Visualizza l'elenco degli utenti che hanno avuto accesso alla piattaforma
Elenco gruppi	Visualizza l'elenco dei gruppi

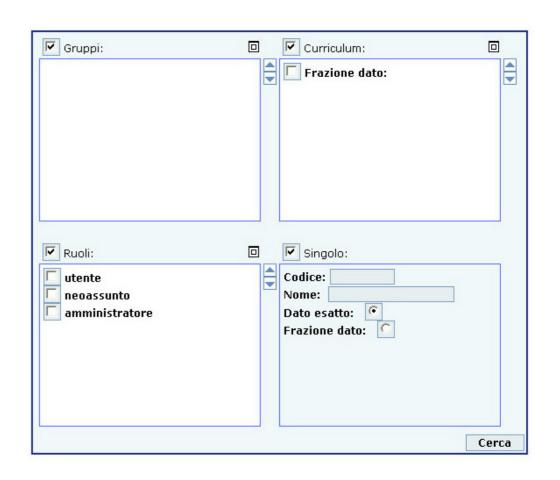
- Allows to examine the statisticses on the use of the courses by the students.
- Courses login
- Students directory
- Groups directory



Statistics – courses login



 Courses login: Criteria setting



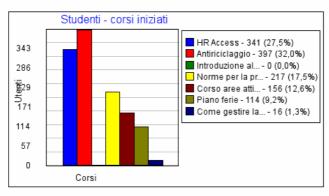


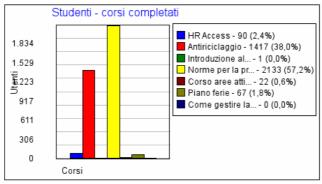
Statistics – courses login



				_
Tota	ıe	CO	rsi:	,

Stato	Nome corso	Iniziati	Completati	Score richiesto	Score raggiunto
(4)	HR Access	341	90		
(a)	Antiriciclaggio	397	1417		
(a)	Introduzione al Learning Plaza	0	1		
(a)	Norme per la privacy e la sicurezza	217	2133		
(4)	Corso aree attività	156	22		
(a)	Piano ferie	114	67		
*	Come gestire la contabilità di filiale	16	0		





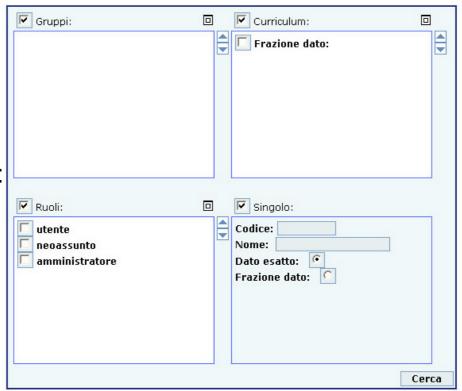
35 di 87



Statistics – students directory



 Students directory: Criteria setting



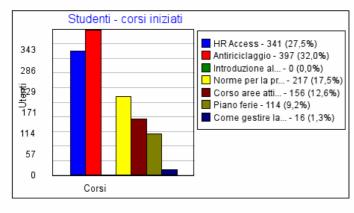
2003 I.C.T. Bipop-Carire, no reproduce without write permission

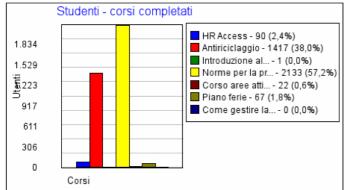


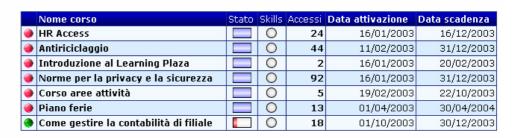
Statistics – students detail



Nome studente:	Vincenzo Iodice
Utenza:	884A 1285
Matricola:	365
Tipo:	Dipendente
Manager:	Alessandro Casati
Filiale/Ufficio:	LURDECOLI





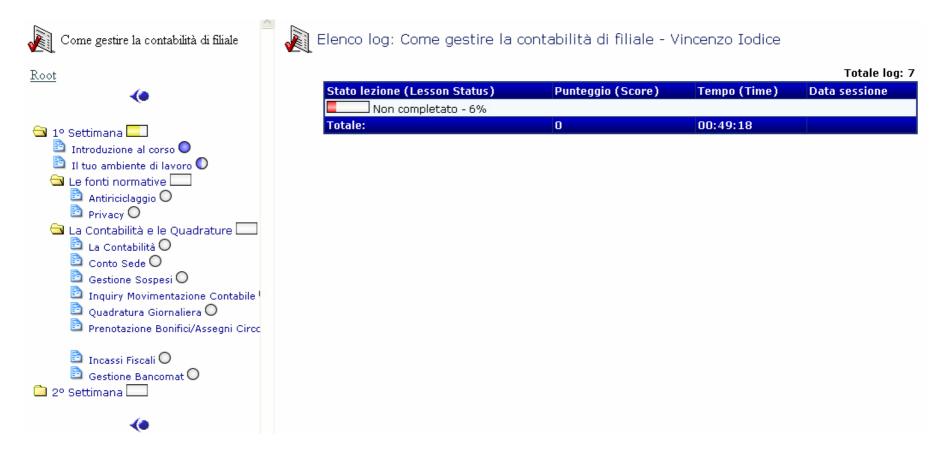


Information retrieved from LDAP query or users' table (depending on the authentication method)



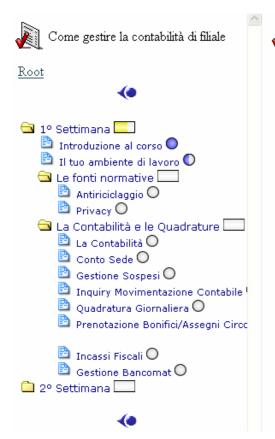


Statistics – course detail





Statistics – course detail (L.O.)



Barry 1											
	Elenco	log:	Come	gestire	la	contabilità	di	filiale	-	Vincenzo	Iodice

			rotale log: 5
Stato lezione (Lesson Status)	Punteggio (Score)	Tempo (Time)	Data sessione
Incomplete	0	00:00:26	01/10/2003 13:20:54
Incomplete	0	00:00:04	01/10/2003 16:04:30
Incomplete	0	00:00:08	01/10/2003 17:13:19
Incomplete	0	00:00:08	01/10/2003 17:20:55
Incomplete	0	00:47:43	01/10/2003 17:21:06
Totale:	0	00:48:29	



Statistics – accesses detail



Totale log: 24

		_
Data login	Data logout	Tempo connessione
22/09/2003 07:08:20	22/09/2003 07:08:20	00:00:00
22/09/2003 07:08:38	22/09/2003 07:09:38	00:01:00
22/09/2003 07:09:50	22/09/2003 07:09:50	00:00:00
22/09/2003 07:27:08	22/09/2003 07:32:09	00:05:01
22/09/2003 07:32:17	22/09/2003 07:59:20	00:27:03
22/09/2003 07:59:50	22/09/2003 08:00:20	00:00:30
22/09/2003 08:00:36	22/09/2003 08:03:06	00:02:30
22/09/2003 08:03:42	22/09/2003 08:03:42	00:00:00
22/09/2003 23:28:40	22/09/2003 23:29:41	00:01:01
22/09/2003 23:29:43	22/09/2003 23:30:13	00:00:30
22/09/2003 23:30:18	22/09/2003 23:30:48	00:00:30
22/09/2003 23:30:59	22/09/2003 23:30:59	00:00:00
22/09/2003 23:31:24	22/09/2003 23:31:24	00:00:00
22/09/2003 23:36:46	22/09/2003 23:40:47	00:04:01
22/09/2003 23:40:57	22/09/2003 23:40:57	00:00:00
22/09/2003 23:41:23	22/09/2003 23:46:24	00:05:01
23/09/2003 08:04:19	23/09/2003 08:04:53	00:00:34
23/09/2003 08:05:17	23/09/2003 08:05:47	00:00:30
24/09/2003 05:52:57	24/09/2003 05:52:57	00:00:00
26/09/2003 17:11:27	26/09/2003 17:11:27	00:00:00
26/09/2003 17:11:56	26/09/2003 17:11:56	00:00:00
26/09/2003 17:12:05	26/09/2003 17:12:05	00:00:00
28/09/2003 14:20:38	28/09/2003 14:21:08	00:00:30
28/09/2003 14:21:29	28/09/2003 14:21:29	00:00:00



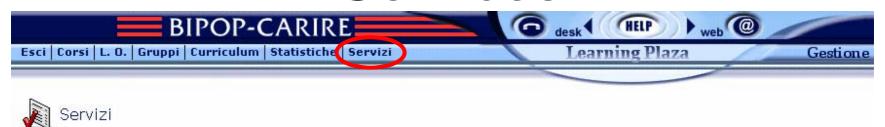
Statistics – groups directory



Gruppi:	Curriculum:	
Introduzione Secondo gruppo Terzo gruppo Quarto gruppo Quinto gruppo Sesto gruppo Settimo gruppo Ottavo gruppo Nono gruppo	Presentazione Prova Terzo curriculum Quarto curriculum Qunto curriculum Sesto curriculum Settimo curriculum Ottavo curriculum Nono curriculum	
Ruoli: utente neoassunto amministratore	Codice: Nome: Dato esatto: Frazione dato:	
		Cerca



Services



The version without LDAP authentication allows obviously to manage the personal data and har also the "Personal Data Upload", personal data import from CSV files.

Servizio	Descrizione	
News	Gestione delle news	
Faq	Gestione delle faq	
Forum	Gestione dei forum	
Chat	Gestione delle chat	
Studenti connessi	Elenco degli studenti attualmente collegati al Learning Plaza	
Eliminazione corsi	Eliminazione fisica dei corsi	
Webconference live	Gestione della webconference	
Webconference differite	Gestione delle differite	
Anagrafe studenti	Gestione dell'anagrafe degli studenti	

 Allows to access the Learning Plaza services management module.



Services – students connected





Totale studenti: 1

Nome studente	Student_id	Corso	Data login		Data logout
Vincenzo Iodice	BP000365	1	. 10	0/03/2003 14:41:21	10/03/2003 14:41:21





Services - News



You can edit, delete or insert new News (generic).





Services - Faq



You can edit, delete or insert new Faq (generic).

	Servizio	Descrizione
	News	Gestione delle news
\rightarrow	Faq	Gestione delle faq
	Forum	Gestione dei forum
	Chat	Gestione delle chat
	Studenti connessi	Elenco degli studenti attualmente collegati al Learning Plaza
	Webconference live	Gestione della webconference
	Webconference differite	Gestione delle differite
	Anagrafe studenti Gestione dell'anagrafe degli studenti	



Services - Forum



 The Forum management is a complete module integrated into Learning Plaza.

	Servizio	Descrizione
News Gestione dell		Gestione delle news
	Faq	Gestione delle faq
	Forum	Gestione dei forum
	Chat	Gestione delle chat
	Studenti connessi	Elenco degli studenti attualmente collegati al Learning Plaza
	Webconference live	Gestione della webconference
Webconference differite Gestione delle differite		Gestione delle differite
	Anagrafe studenti	Gestione dell'anagrafe degli studenti



Webconference - live

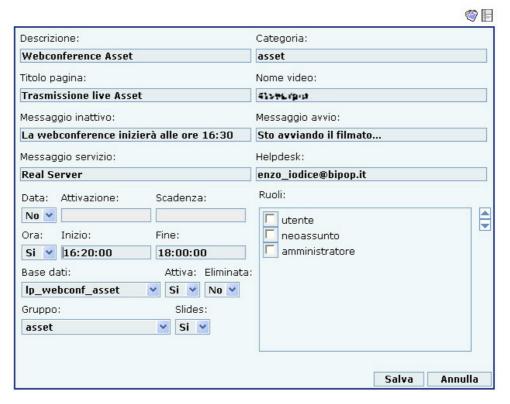


• The webconferences management is a complete module integrated into Learning Plaza.



Webconference - live

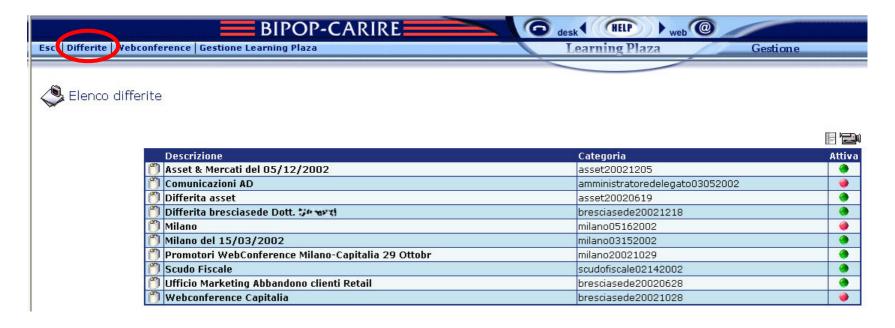




• From here it is possible to set up a series of parameters which act immediately in the front end.



Webconference - recorded

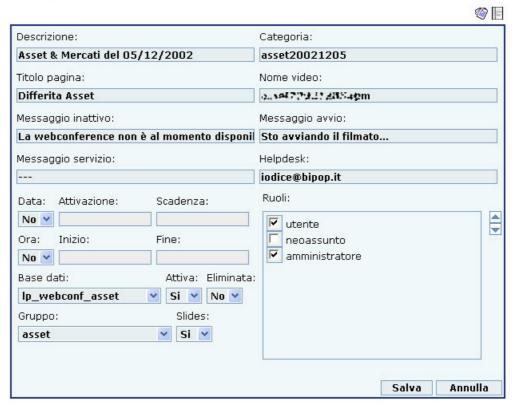


 NOTE: With the menu 'Learning Plaza management' you go back to the LMS administration.



Webconference - recorded





 From here it is possible to set up a series of parameters which act immediately in the front end.



Webconference recorded logging

🗢 🔊 Elenco log: Differita bresciasede Dott. 🗫 🕬

Totale log: 10 Utente Indirizzo Login Tempo connessione VA. 32. 19/12/2002 14:10:13 19/12/2002 14:13:17 00:03:04 W. T. 1 1711. 2.5 45 19/12/2002 14:14:33 19/12/2002 14:17:43 00:03:10 19/12/2002 14:18:51 19/12/2002 14:24:56 Fee: 27 170.173.08 00:06:05 W. St. 1 10003 (1.24) 19/12/2002 14:53:55 00:01:54 19/12/2002 14:55:49 * A 30.52 171.21.21.240 00:00:14 19/12/2002 15:17:14 19/12/2002 15:17:28 225/2 1 1251214 19/12/2002 16:33:45 19/12/2002 16:40:20 00:06:35 State 3 113.25 2 24 19/12/2002 16:40:33 19/12/2002 16:40:44 00:00:11 N. 5 172 45 1.13" 19/12/2002 17:13:26 19/12/2002 17:15:16 00:01:50 HAP. 1 171.23.5.5.5 21/12/2002 12:14:38 21/12/2002 12:16:06 00:01:28 23/12/2002 17:23:09 Jun 1 172,25.6.137 23/12/2002 19:42:52 02:19:43

- It is obviously possible to monitor the connections during live broadcasts.
- The recorded broadcasts "remember" even the connections established during the live broadcast.
- The result of the query can be sorted on the various fields.



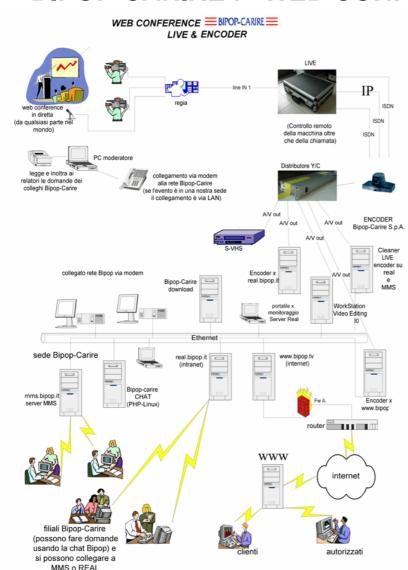
Webconference – bookmarks



- You can add bookmarks to ease the search of scenes in the video.
- There can be more than one video.



BIPOP-CARIRE: WEB CONFERENCE SYSTEMS



Components/ Protocols / **Applications:**

- Spokesman can stay anywhere
- Bipop-Carire LIVE / Virtual Room
- Web Conference Organizer
- Internet and/or intranet target
- IP / ISDN



- Bipop-Carire Encoders
- Y/C Splitter
- Encoding & Recording
- Real Streaming
- MMS Streaming
- SMIL Streaming/Slide sincronization
- File & Tape Save/Backup
- Question & Answer Database
- Enclosures to Questions & **Answers**
- Mailing & Chatting





53 di 87



Back-End use example

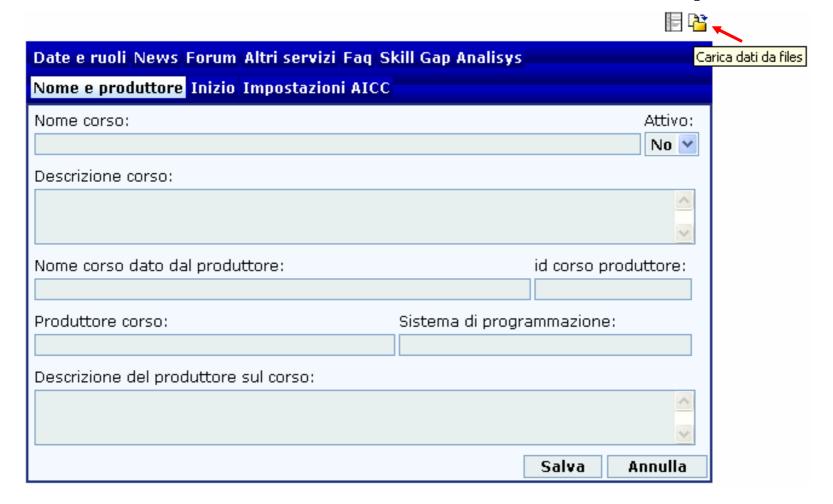
- Standard AICC courses import
- Edit the structure of a course by adding or removing LO or blocks.
- Learning Objects import











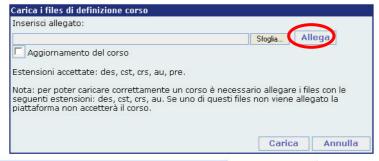


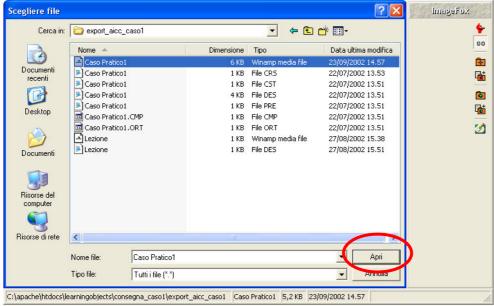


 The configuration files must be taken from the position in which the course has been physically copied.

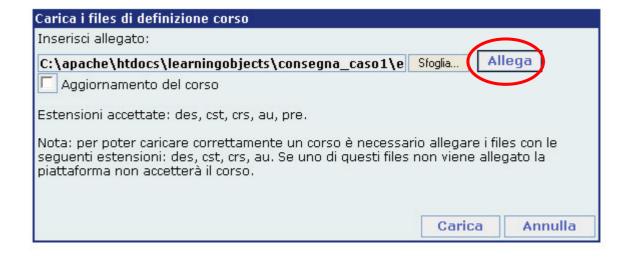




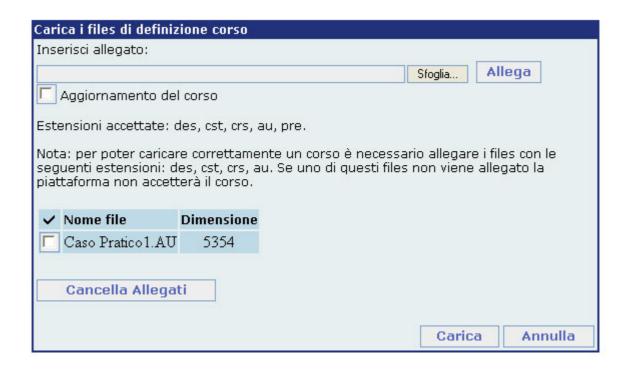












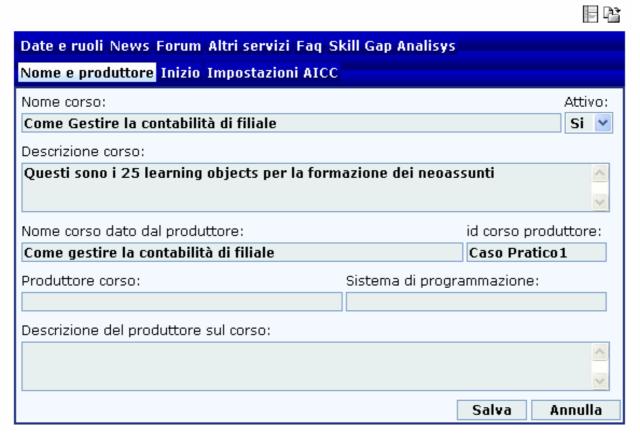
Keep on inserting all the accepted files (des, cst, crs, au, pre).





2003 I.C.T. Bipop-Carire, no reproduce without write permission





 Back to the course configuration data window, with the new data loaded from the files.

E 23



Standard AICC courses import

Date e ruoli News Forum	Altri servizi Faq S	kill Gap Analisys	
Nome e produttore Inizio	Impostazioni AICC		
Livello:	Scambio dati livel	lo 1, 2 e 3a	~
Versione:	2.2		
Max campi CST:	11		
Max campi ORT:	0		
Totale learning objects:	42		
Totale blocks:	8		
Totale complex objectives:	0		
Totale objectives:	0		
Max lezioni contemp.:	99		
		Salv	a Annulla

 It is possible to edit the data loaded from the configuration files.





• It is also possible to set up some additional parameters for the attending of the course by the students.



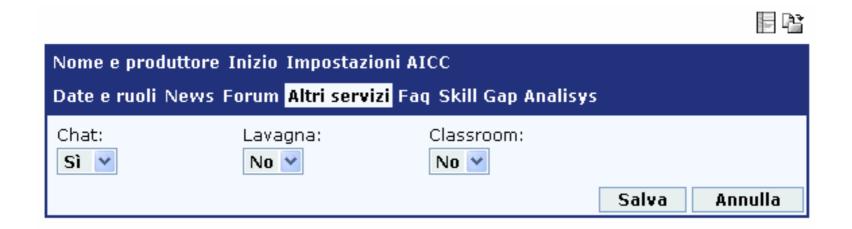


• It's possible to manage News, Forum, Faq and Chat specific for the course.













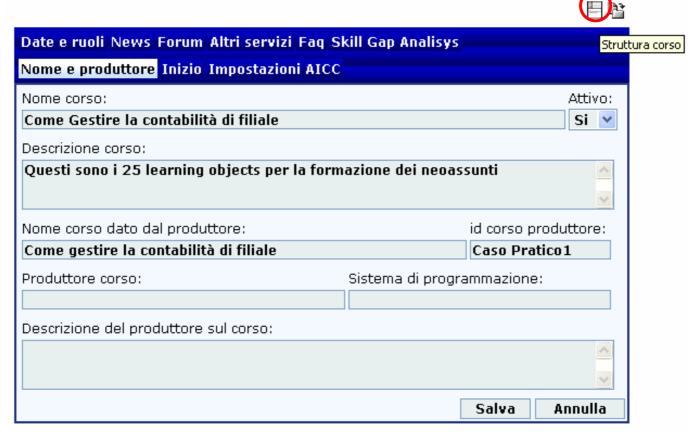
E 23



Nome e produttore Inizio Impostazioni AICC					
Date e ruoli News Forum Altri servizi Faq <mark>Sk</mark>	ill Gap Analisys				
Skill Gap: Sì	Punteggio richiesto: Numerico: Percentuale:				
Competenze richieste (Skill): Sapere (Know):					
Saper fare (To Do):					
Saper essere (To BE):					
	Salva Annulla				



Edit the structure of a course

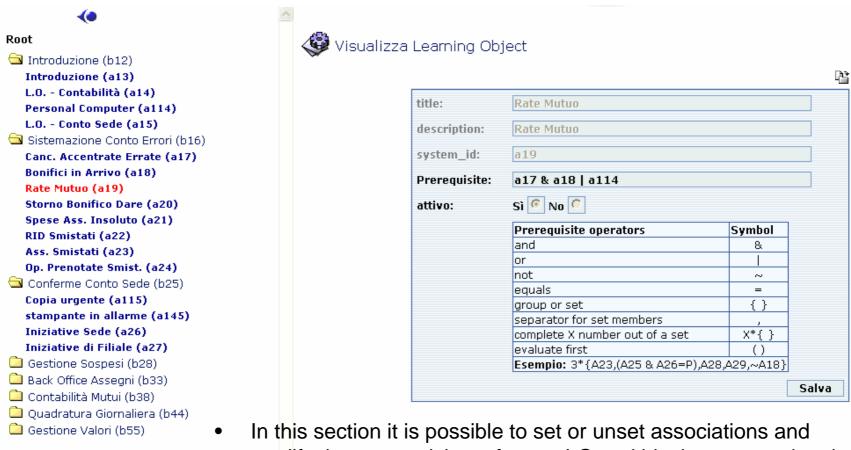


 It is possible to visualize the structure of the course and edit it, adding or removing LO and blocks.





Edit the structure of a course



In this section it is possible to set or unset associations and modify the prerequisites of every LO and block connected to the course. The sequence of the LO is modified by drag and drop.



Learning Objects import





Learning Objects import

Elenco Learning Objects

Learning object	Descrizione	System_ID	Attiv	
🐧 Ass. Circolari	Ass. Circolari	a57	•	
Ass. Inviato al Protesto	Ass. Inviato al Protesto	a37	(a)	
Ass. Richiamato/Insoluto	Ass. Richiamato/Insoluto	a36	③	
🎒 Ass. Smistati	Ass. Smistati	a23	③	
🖱 Assegni Circ. Emessi	Assegni Circ. Emessi	a54	③	
🎒 Assegni Negoziati	Assegni Negoziati	a53	(4)	
👸 Banca cliente	e-banking - banca cliente (LO Arthorware)	a127	③	
👸 Bonifici in Arrivo	Bonifici in Arrivo	a18	(a)	
Canc. Accentrate Errate	Canc. Accentrate Errate	a17	(a)	
👸 Carico Creditori	Carico Creditori	a30	(4)	
🗂 Carte pagamento	e-banking - carte pagamento (LO Arthorware)	a130	③	
👸 Cassa Valuta test import	Cassa Valuta test import	a110	③	
🗂 Cavetti	questionario conoscenza_cavetti (test Authorware)	a113	③	
🗂 Cavetto alimentazione	questionario cavetto_alimentazione (test Authorware)	a135	(a)	
🗂 Cavetto audio	questionario cavetto_audio (test Arthorware)	a137	③	
👸 Cavetto mouse	questionario cavetto_mouse (test Arthorware)	a139	(4)	
👸 Cavetto stampante	questionario cavetto_stampante (test Arthorware)	a140	(a)	
👸 Cavetto tastiera	questionario cavetto_tastiera (test Arthorware)	a141	③	
👸 Certificati di Deposito	Certificati di Deposito	a59	③	
👸 Concetto banca	e-banking - concetto banca (LO Arthorware)	a118	③	
🗂 Contante	Contante	a60	③	
🗂 Contante/Carnet	Contante/Carnet	a49	③	
Conto corrente	e-banking - conto corrente (LO Arthorware)	a129	③	
🖺 Copia urgente	auestionario copia uraente (test Authorware)	a115	(a)	



Learning Objects import

title:	Carica	dati
description:		
system id:		
developer id:	1vgfvfdc-1ohp-1obt-1mpq-1ptso94lgcqkgj	
type:		
command line:		
file name:		
mastery score:		
max score:		
max time allowed:		
time limit action:		
system vendor:		
core vendor:		
web launch:		
au password:		
attivo:	Sì 🕝 No 🖸	
	Salva Annulla	



Learning Objects import



 Only the configurations files with extension .AU and .DES are needed to import the LO.



Tests & contents

- Tests are written with Question Mark Perception (AICC) for a matter or speed.
- The departments send us a plain text file with special tags (<Q>,<C+>,<C>,<F>)
- Contents and tests can be written on demand with other products: Authorware (Macromedia), Flash (Macromedia), eXact Packager (Giunti Interactive Labs), partnering with other specialists or with corporate internal tools.

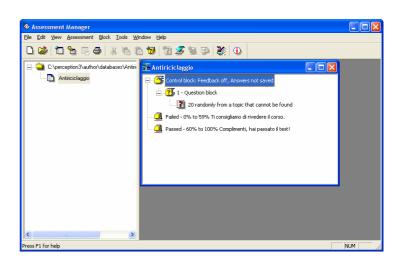




Assessments

- Assessments are the measurement of what you can do; they give an evaluation (you passed or failed the test). We implement them using Question Mark Perception (AICC) for a matter of speed.
- They are Learning Object inserted in the course.







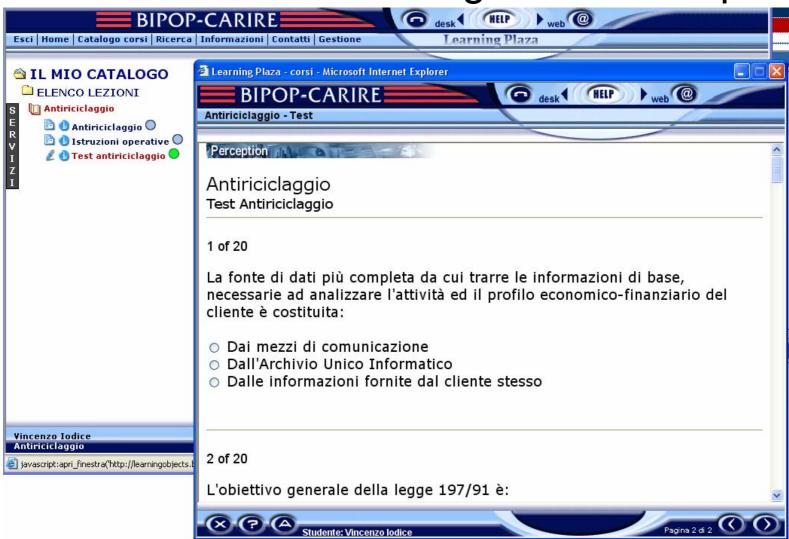
Progetto WBT Bipop-Carire Sun Microsystems

L.O. in Learning Plaza example





Assessment in Learning Plaza example





Test in Learning Plaza example



Enzo Iodice Info&Comm Technology E-learning & Area New Media

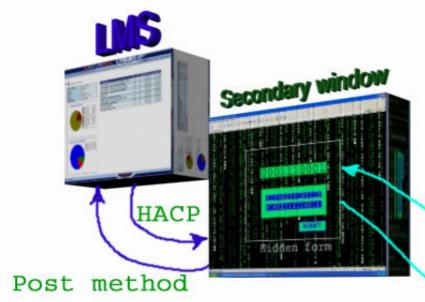






Aviation Industry CMI CMI CO11 & AGR010

AICC AGR-010 Web Based CMI



Course window



HACP = HTTP AICC Communication Protocol

Enzo Iodice Info&Comm Technology E-learning & Area New Media



81 di 87



In beta

SCORM Runtime Interface



API adapter (Java or Active X component)

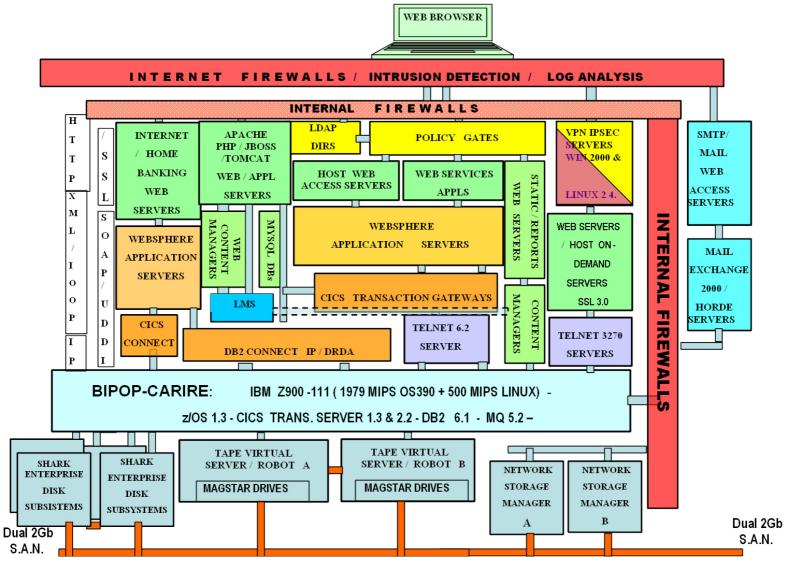
APIWrapper.js (javaScript functions for communicating with LMS)

S.C.O. (Sharable Content Object)





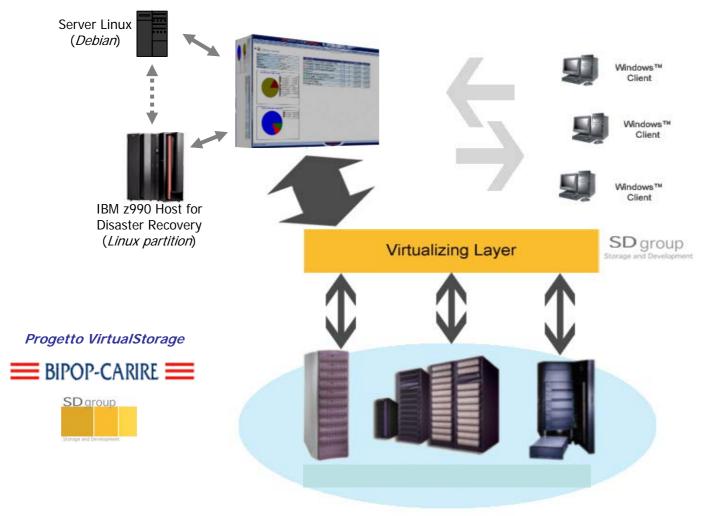
Bipop-Carire Information Systems Architecture (September, 2003)



83 di 87



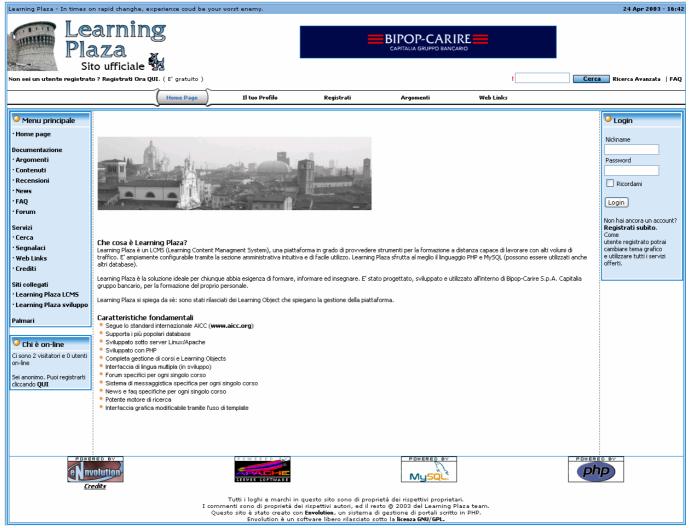
Learning Plaza Virtualizing Layer







More info: www.learningplaza.it



Enzo Iodice Info&Comm Technology E-learning & Area New Media

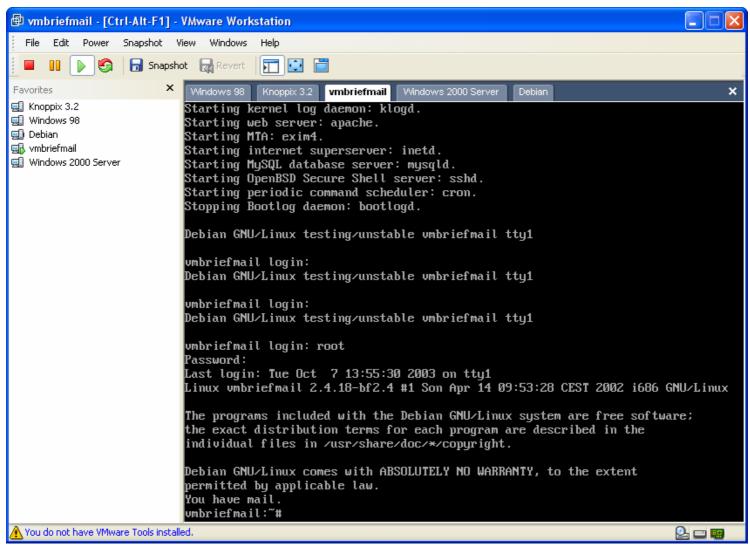


2003 I.C.T. Bipop-Carire, no reproduce without write permission

85 di 87



Demo on Virtual Machine







Enzo Iodice Info&Comm Technology E-learning & Area New Media

BIPOP-CARIRE S.p.A. Via Leonardo Da Vinci, 74 I-25122 Brescia (Italy) mailto: iodice@bipop.it





