

Technical Specifications

System Requirements

Supported Browser /OS Combinations				
	IE		NS	
	5.5	6.0	4.6	4.7
Win98	X	X	X	X
NT4.0	X	X	X	X
Win 2000	X	X	X	X
	IE 5.2.3		NS 4.7	
Mac OS 9.1	X		X	
Mac OS X	X		NA	

Display

- 800 x 600 pixel resolution or greater.

Internet access

- A 56K modem or faster access is recommended.
- Each participant must have a Current email account.

Memory and disk space

- IZIO™ has no minimum requirements for users.

Standards

IZIO™ is SCORM v1.1 run-time environment conformant.

The SCORM standard was developed as part of the Advanced Distributed Learning initiative and is based on developments from the IMS Global Learning Consortium, Inc., the AICC, and the IEEE.

Security

Data integrity and availability

- Daily tape backups of the live database and replication of the data backup server.
- High performance is achieved using an extensive server network with load balancing.
- High availability using a network of servers with redundancy and fail-over capability.
- State of the art, environmentally controlled network operations center provides 24 x 365 monitoring.

Physical security

- Metromedia Fiber Network, an ISO9002-certified organization, provides the secure physical storage all IZIO™ servers.
- Access to all server rooms is controlled by an access database, pass cards, video surveillance, and live guards.
- Backup generators ensure a continuous power supply to the servers.
- A state of the art fire detection and suppression system does not damage electrical equipment.

Network security

- Firewall friendly network security does not require

changes to a customer's existing security layers.

- Multiple servers and firewalls provide redundancies and security that protect against loss or compromise of data.
- Data servers run on their own network that is physically separated from the Internet.
- All TCP ports not used are closed.

Application security

- IZIO™ security is protected by patent pending data access technology.
- User IDs, passwords, and course content are Secure Socket Layer (SSL) encrypted during transfers between the browser and IZIO™ servers.
- Multiple permission levels limit the capabilities of course participants, depending on whether they are registered as students, instructors, or administrators.
- Only registered course participants can access course contents.

Operating system security

- The Operating System and server software on all machines with access to the data store are set up with the latest security patches to eliminate any possible security holes.

Architecture

- IZIO™ is built using Cold Fusion with a DB2 database and is distributed using an Application Service Provider (ASP) model. Advantages of using hosted services include:
- Guaranteed fast and reliable connections during online sessions.
- Ease of use for off-site participants; no need to go through the corporate firewall.
- Guaranteed scalability of bandwidth and hardware.
- Reliability of service. IZIO™ is monitored 24x7x365, using leading hardware and software tools to guarantee uptime and integrity of the system.
- Automatic upgrades to new versions of IZIO™ as soon as they become available.

Asynchronous and Live Capabilities

With IZIO™, instructors or subject matter experts can easily put online their course information and make it accessible to participants in an asynchronous or synchronous (live) fashion.

Asynchronous functions supported by IZIO™

- The core functionality of IZIO™ is built around the full flexibility of asynchronous, online instructor led training

and collaboration.

Participants can interact with course information and team members on their own schedule.

- Plug-ins are available for enabling the distribution and sharing of a broad array of course materials, including sharing of files, and recorded audio or video.
- Creation, assignment, distribution, completion, and grading of quizzes and assignments are handled asynchronously, as are threaded participant discussions and team collaboration.

Synchronous functions supported by IZIO™

- Synchronous events can easily be used side-by-side with true asynchronous collaboration. IZIO™ supports synchronous data sharing events, application sharing, and voice over IP.
- Chatrooms are natively supported by IZIO™.
- IZIO™ is a portal that accesses streaming media by linking IZIO™ to external streaming software.

IZIO™ Supported Extensions

The following plug-ins are supported by IZIO™ for presenters who optionally wish to integrate into their courses 3rd party software products.

- Apple QuickTime recommended if links to multi-media sites are included in any courses or projects.
- Shockwave – Macromedia's plug-ins let you experience automation and entertainment in your Web browser.
- Real Networks Real Player – recommended if online video and audio content are incorporated into any courses or projects.
- Windows Media Player – recommended if online video and audio content are incorporated into any courses or projects. Windows Media Player supports Windows Media, MP3, WAV, MIDI, AVI, and other formats.

Other software supported by IZIO™

- Content development tools, including Microsoft Office, Adobe Acrobat, or others.
- Applications or viewers, for participants if used by the instructor.