



The xPERT eCampus is next generation learning system that supports informal social learning, formal blended learning, and on-the-job coached assignments.

Like a corporate campus, the eCampus allows organizations to create multiple workspaces, each with its own resources and tools, and independent roles and permissions. A powerful resource library, combined with a full set of collaboration tools (discussion forums, blogs, wikis, Web meetings, chat, IM, email), allows communities of practice to have sustained conversations for action around shared content. Templates included with the product let the organization quickly create workspaces to support different types of learning and knowledge sharing requirements.

The eCampus delivers performance-based learning programs that map to the best practices of instructor-led training, combining any type of electronic content with webinars, group discussions, and coached assignments--and it tracks collaboration as easily as it tracks SCORM objects. Organizations can now include follow-up and reinforcement as core elements of critical learning programs.

Q2Learning provides the eCampus on a Software as a Service (SaaS) model. We host the eCampus, and provide server administration, software patches and upgrades. (Optionally, the customer may purchase a license for installation behind a firewall.)

Integration with the organization's ERP or HR system, and multiple Web meeting systems (WebEx, LiveMeeting) provide a single point of administration for commonly performed tasks



With the xPERT eCampus, you can...

Create proficiency-based learning processes

- Learning maps weave together content and collaboration
- Skill acquisition is reinforced and evaluated by on the job practice
- Collaborative technology engages coaches and mentors in the learning process
- Coaching and collaboration are tracked as easily as SCORM objects .

Turn one-off projects into replicable programs

- Templates allow you to replicate individual activities and entire learning maps
- Thousands of learners can be assigned to small groups
- Learners and coaches only see the work of their group
- Dashboards provide detailed reporting of individuals, groups, and entire programs

Get the support you need

- Q2's Speed to Proficiency model embodies best practices of Instructional design
- End-to-end methodology accurately estimates amount and timing of resource utilization
- Platinum service: You add SMEs and we'll do the rest
- Or, do it yourself with 20+ tutorials and 300 page manual

Solve the informal learning puzzle

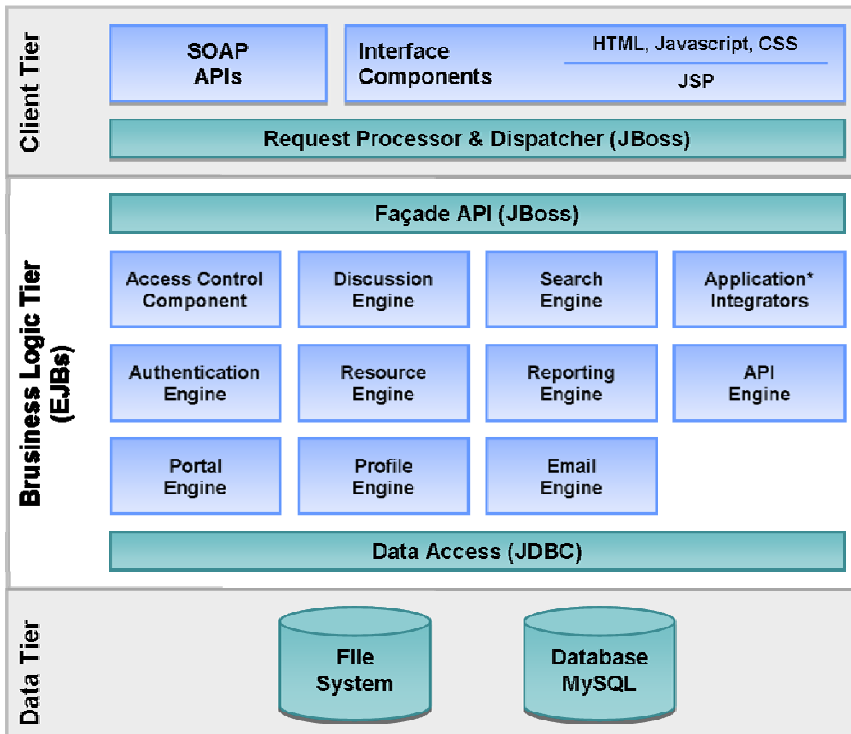
- Rapidly develop communities of practice
- Weave together same-time web meetings with a rich threaded discussion
- Embed working documents into the conversations about them.
- Create private breakout or coaching rooms

Save time and money with Software as a Service

- No hardware or software to install and maintain.
- Focus your energies on learning design and delivery - not system administration.
- Your eCampus can be ready within a day.
- Learners can access the eCampus 24x7 with a browser from anywhere

Make IT happy with enterprise architecture

- SSO and APIs for enterprise integration
- Struts-based Web application with Servlet workflow control.
- Enterprise Java Beans (EJBs) for increased scalability at the business-tier level.
- Session façade that connects the business tier and Web tier.
- Enhanced security with services inherent to EJB container.
- External authentication and authorization system can be integrated if needed.



*WebEx, LiveMeeting, Windows Messenger

WEB TIER

- A JSP-coded front-end GUI allows users to seamlessly interact with the eCommunity via their web browser. Unique session IDs guarantee a maintained state for the user via the workflow controller.
- The Front Controller acts as the sole entry point for all web requests. It maintains users' sessions, controls workflow and dispatches requests to the appropriate components and ferries back processed results.
- A service monitor continuously checks all objects for latency, locating the responsible items in the web tier, killing and recreating them as necessary. It also logs problems to facilitate trouble-shooting and enable fine-tuning of the system.
- Command design pattern implements a library of business rules to corresponding components in the business tier. The command classes in the library focus on data verification, data conversion, web-centric business logic and business delegation.
- JavaBeans store data from JSP pages and act as a value objects to transfer data between the web and business tiers, and then transfer results from the web tier to the presentation tier. This minimizes network traffic and improves response time.
- Multiple JSP/Servlet containers may be employed as Web servers in front of the EJB application server layer, allowing the web tier to be decoupled from the business-logic tier. This provides increased scalability and hardware redundancy in the event of an application server crash.
- Separate Web and application servers lessen the server burden and improve response time during peak periods.
- Clustering and web-proxy caching are used to meet variable demands.

SYSTEM REQUIREMENTS

- J2EE server
- Database server

Browser Requirements:

Internet Explorer versions 6.0 and above on Windows, and Firefox 1.5 and above on Windows, Linux, and Mac OSX



BUSINESS TIER

- A stateless session bean acts as a session façade between the web and business tiers. This exposes a unified business-logic interface to the client. The session bean accepts client's requests, delegates calls to business engines and then returns processing to the client. Implementation details of business components are hidden from web-tier clients, thus making the components pluggable.
- JNDI registers business-component services to offer manageability and expandability.
- The data abstraction component is composed of an entity bean and a Data Access Object (DAO). In cases of entity caching and concurrent access control, the entity bean is used; alternatively DAO is used to improve system performance.

SERVICE COMPONENTS

- JAAS protocol authenticates users and controls access to other components.
- Email generator creates, queues, sends and receives emails.

BUSINESS COMPONENTS

- Portal engine provides basic content management and portal functions to the eCommunity system.
- Reporting engine generates reports for on-line viewing, email notifications and dashboards.
- Discussion engine provides discussion room capabilities for the eCommunity

