

iALS - iDesigner™ Adaptive Learning Server

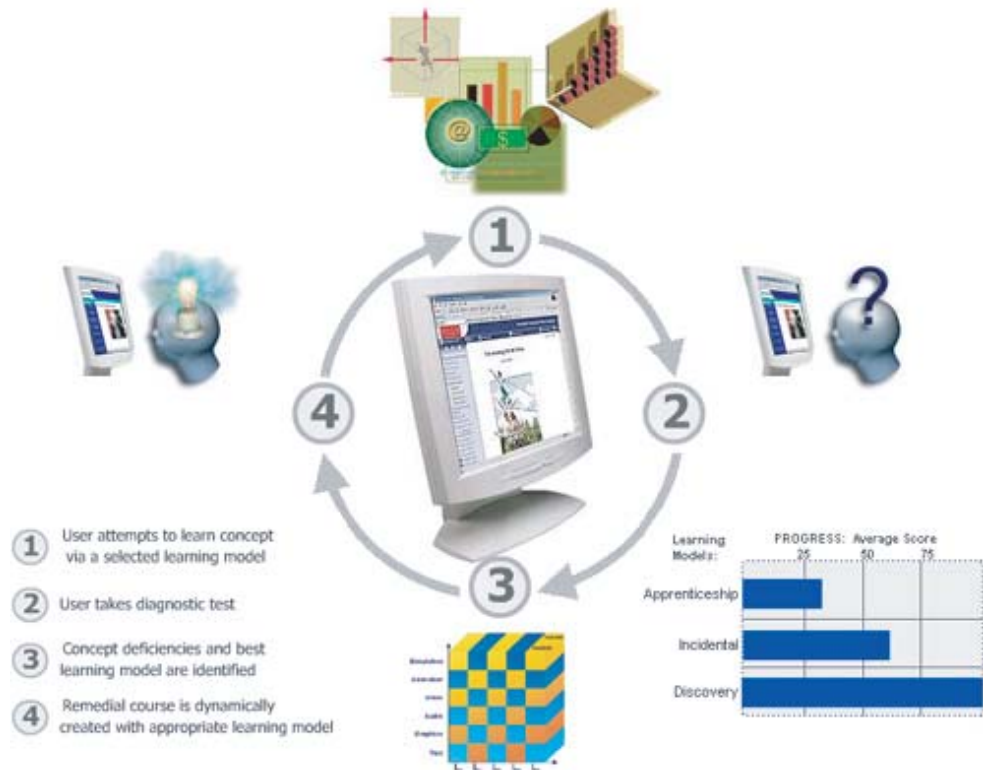
The Learning server that manages the learning strategies of individuals to maximize performance

A Breakthrough in Learning Effectiveness

It is widely accepted that each person has a preferred learning style and that learners perform best when they are able to study using their style. The iDesigner Adaptive Learning Server tracks the progression of each learner through their program including which concepts they study, which learning styles they use, and how well they master concepts. Most learners find they enjoy studying in one style more than another. Many will use the multiple learning styles to review complex concepts or for a change of pace as they progress through the course. All the material is covered no matter which learning styles they choose. After each assessment the learner is presented with information on which learning styles they have tried and which ones are giving them the best results. The Figure below depicts the Adaptive Learning methodology enabled by the iALS.

Key Features

- > Mass-customization: Although courses are taken by thousands of users, each user gets his own customization based on the learning style preferences.
- > Adaptive Remedial Feedback: iALS has a powerful artificial intelligence engine based on the statistical inference algorithm, which dynamically generates remedial courses.
- > Statistical Inference Engine for Learning Style Determination: The server has a powerful engine to determine the best suited learning style.
- > Universal Deployment: iALS courses can be dynamically deployed on the Internet, LAN, CD-ROM, and Wireless devices Pocket PCs, Tablet PC, PDA, etc.
- > User profiling: The statistics collected on individual learners are used to keep user profiles for future use by the system.
- > Reporting Metrics: iALS has a sophisticated reporting engine for individual user performance, cumulative averages and group results.
- > Integrated Environment: Fully implemented J2EE environment that provides a multi-tiered scalable deployment of the on-line courses. The idesigner ALS integrates web-server, web-services, streaming media server, chat/discussion servers, and user profiling services.
- > Platform independent (Windows, Linux and OS/X) The inherent advantages of J2EE based architecture is that it can be deployed on many platforms.
- > Database independent (JDBC): Data is collected by the iALS throughout the user session and sent to your choice of database (e.g., MS SQL, Oracle, MySQL).



The iDesigner™ Adaptive Learning Server is the only on-line learning solution that capitalizes on individual learning styles.

iDesigner Adaptive Learning Server (ALS) is a fully integrated J2EE-based (Java 2 Enterprise Edition) highly scalable deployment environment for on-line courses. The server accepts files that are generated by iDesigner and then converts them automatically into a full online course. iDesigner Server features rich user tracking, intelligent feedback, real-time dynamic generation of remedial courses, and reporting to assess learner performance improvements.

The iALS allows the user to select graphical templates that define the look-and-feel of a course. This automates the entire process of generating a course with multiple learning styles. The results of this instructional design process are immediately viewable on the web. This means that the course designer can see and demonstrate results to the customer as well as make changes on the fly.

The user of iALS is able to design and display a complete course, which can be seen and used by both course designers and by students. Reports are provided automatically. In addition, because the use of multiple learning styles is supported by iDesigner, the user has the opportunity to introduce some or all of the different learning styles and become familiar with their methodology and pedagogical effectiveness.

iALS Technology	iALS Systems Requirements
<ul style="list-style-type: none"> > Complete J2EE implementation > Application server support for BEA WebLogic™, Jrun, Tomcat > MS-SQL database (Oracle™ 8i and Oracle™ 9i, feasible) > Internet Explorer™ 4.0 and Netscape™ 4.0+ support > Single sign-on API 	<ul style="list-style-type: none"> > PC with Pentium 200 MHz or higher processor > Microsoft® Windows® 95 or later, NT 4.0, 2000, XP > 32 MB RAM; 64 MB recommended > 40 MB of available disk space > VGA or higher resolution; Super VGA recommended > 56.6 kbps or higher Internet connection

SCORM LOs

