

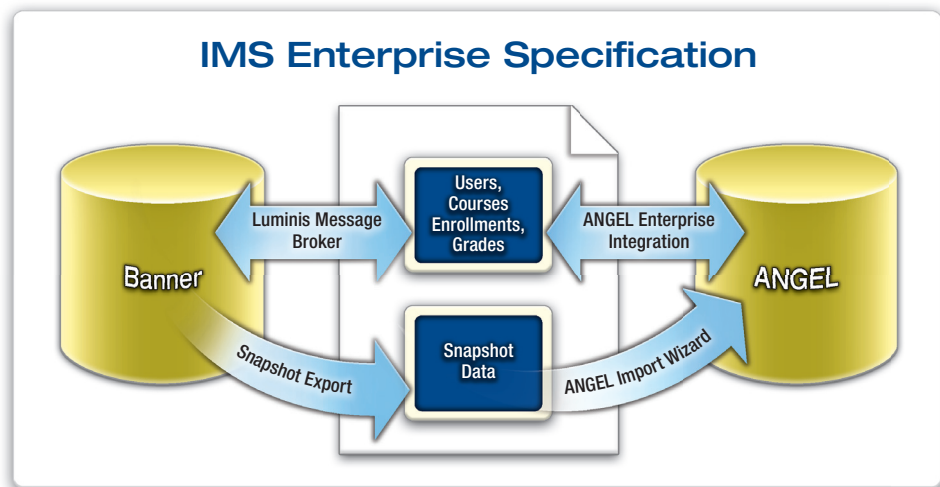
ANGEL Enterprise Integration for Banner

ANGEL Learning realizes that your learning management suite is just one component of the complex network of systems you manage everyday. One of the most critical systems on many campuses is SunGard Higher Education's Banner. ANGEL tightly integrates your important administrative data with the ANGEL suite of teaching and learning tools.

Complete, Standards-Based Integration

ANGEL's complete integration with Banner uses batch tools, scheduled updates and near real-time integration utilizing SunGard Higher Education's Luminis Message Broker. Employing these various integration methods allows the technology to meld with your enterprise architecture strategy. The ANGEL Enterprise Integration for Banner is based on the IMS Global Learning Consortium's Enterprise specification, protecting your investment when systems update or change.

ANGEL's integration with Banner is based on the IMS Enterprise specification, minimizing the impact of updating either system. Data can be transferred in real time through the Luminis Message Broker or using ANGEL and Banner batch tools, allowing you to control how and when data moves between your systems.



Secure Data Transfer

The security of your data is an ANGEL priority. The ANGEL Enterprise Integration for Banner:

- Encrypts messages between systems.
- Enables data file access through secure FTP regardless of where the data is coming from or going.
- Validates each data message to ensure the data is coming from a valid location.
- Authorizes the system to accept the data before the first record is imported or exported from the ANGEL data store.

Commitment to Openness

The ANGEL Enterprise Integration for Banner is built on ANGEL's unique open architecture. Not only does your data flow seamlessly between systems, ANGEL gives you full access to and control over your data. ANGEL tools allow you to easily query, manipulate and export your data. ANGEL includes the database schema and documentation to help you understand which data goes where and why. Providing tools and resources that enable you to manipulate and understand how ANGEL uses data helps you use your data more effectively.

To Learn More about the ANGEL Enterprise Integration for Banner

Email ANGEL Learning at info@angellearning.com or call (317) 333-7300.