Banner® Document Management Components

Standard components provided with the Banner® by Ellucian imaging and document management module are briefly described below. Additional ApplicationXtender and partner components are also described for institutions or departments needing specialized capabilities only available through these additional integrated modules.

STANDARD COMPONENTS:

ApplicationXtender Desktop Access provides rich desktop integration and robust imaging and document management functionality in a familiar Windows-based interface. ApplicationXtender supports a wide range of electronic content, from scanned images of paper documents to word processing documents, spreadsheets, pdfs, and rich media—all from a common desktop interface. ApplicationXtender provides comprehensive electronic file management and editing capabilities, such as annotation, redaction, and check in/out version control, so that you can quickly and easily process information held within ApplicationXtender.

ApplicationXtender's native desktop integration capabilities include support for Open Document Management API (ODMA) connectivity to popular desktop applications allowing authorship, versioning, check-in/out, and intelligent filing and retrieval into Banner Document Management directly within the native applications, with no additional programming or services required.

ApplicationXtender includes Application Generator, a desktop administrative tool that allows institution to easily define, create, and publish secure content management applications without programming expertise.

ApplicationXtender supports rendering of over 250 common file formats without requiring the native application, allowing secure access to viewing many content types without the overhead of requiring native application installs or licensing costs.

QuickScan Pro extends the features of ApplicationXtender to facilitate the scanning of large volumes of paper through batch scanning, image processing, and support for many scanner makes and models on the market.

ApplicationXtender Web Access provides easy, inexpensive, and secure web access to the Banner Document Management information repository anytime, anywhere, inside and outside of your organization, and within and outside...
of Banner via interactive and true thin clients. Most common user activities, such as document retrieval, addition, scanning, annotation, editing, check-in/out, email, print, and full-text searching are supported in ApplicationXtender Web Access. Web Access also supports rendering of common file formats, reducing the need for native application deployment and licensing for users authorized to view content in those formats.

DiskXtender File System Manager provides enhanced file security for Windows servers. With DiskXtender File System Manager, file object access can be limited to only the ApplicationXtender modules and services. File System Manager supports application-level authorization for access, eliminating the overhead of maintaining accounts and authorization information in domain or directory services.

License Server is the included concurrent user manager and license tracking service.

**OPTIONAL COMPONENTS:**

ApplicationXtender Integration Module provides desktop-based integration between any application and the content repository. ApplicationXtender Integration Module is simple to set up with no programming and can be used to retrieve documents from any application such as an administrative system, Microsoft® Office application, email, or web.

ApplicationXtender Reports Management provides increased information access and improved customer service through automated filing, separation, and long-term, low-cost storage of electronic printstream formats such as ASCII text, PDF, PCL, AFP, or Metacode. With ApplicationXtender Reports Management, system generated standard forms such as bills, letters, correspondence, and institutional and external reports can be filed for retrieval and data searching within filed materials without the need for printing, scanning, or manual filing. Output captured by Reports Management integrates directly with the ApplicationXtender content store and is accessible to authorized desktop and web users.

Full-text indexing allows filing and retrieval of documents by any word or words on the documents, and can be used for querying in conjunction with or separate from standard structured query fields such as ID, name, document type, and other standard index fields. Full-text indexing is helpful for managing less-structured, or large documents such as administrative materials, correspondence, grants,
proposals, and contracts. Note that full-text indexing of imaged (scanned) documents requires OCR Network for conversion of the image document to text before filing through full-text indexing. Two options are available—ProIndex for smaller document sets with fewer pages in each document, and Verity for larger document sets with longer documents and advanced features such as thesaurus-based word matches.

**ApplicationXtender OCR Server** allows users to select areas of an image document or entire image documents and convert the imaged text into textual data associated with the document. The textual data in may then be copied and pasted into other applications for users with appropriate permissions or used for full-text indexing. Full page conversion of images to text by OCR Server is necessary prior to full-text indexing of image documents. Note that OCR Server does not provide data capture into Banner or other applications and does not provide automated forms capture or indexing of documents by structured zones. Those solutions are described in the Data and Forms Capture section below.

**ApplicationXtender Media Distribution** creates portable document collections for CD distribution by creating read-only document collection snapshots of existing Banner Document Management data and documents with an included portable document viewer. With ApplicationXtender Media Distribution, document collections can be distributed or transported for offline viewing without the need to install any other software.

**ApplicationXtender API Services** provides web services methods, classes, and WSDL for programmatic interaction with the document database. ApplicationXtender API Services comes with documentation of the methods and classes, as well as testing utilities and code examples in Java, C#, and C++. ApplicationXtender API Services provides simplified integration to external systems on campus where linking between non-Banner user interfaces and digital documents is desired. ApplicationXtender API Services is required for integration between Banner Document Management and the Ellucian Luminis® Platform portal.

**Data and Forms Capture** solutions are available to provide recognition of handwriting (ICR), machine print, check marks and bar codes to extract data from scanned images for document filing and automated data entry into systems like Banner. Ellucian partners with an automation solution provider, Software Services of Delaware for these solutions.
ABOUT ELLUCIAN
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