

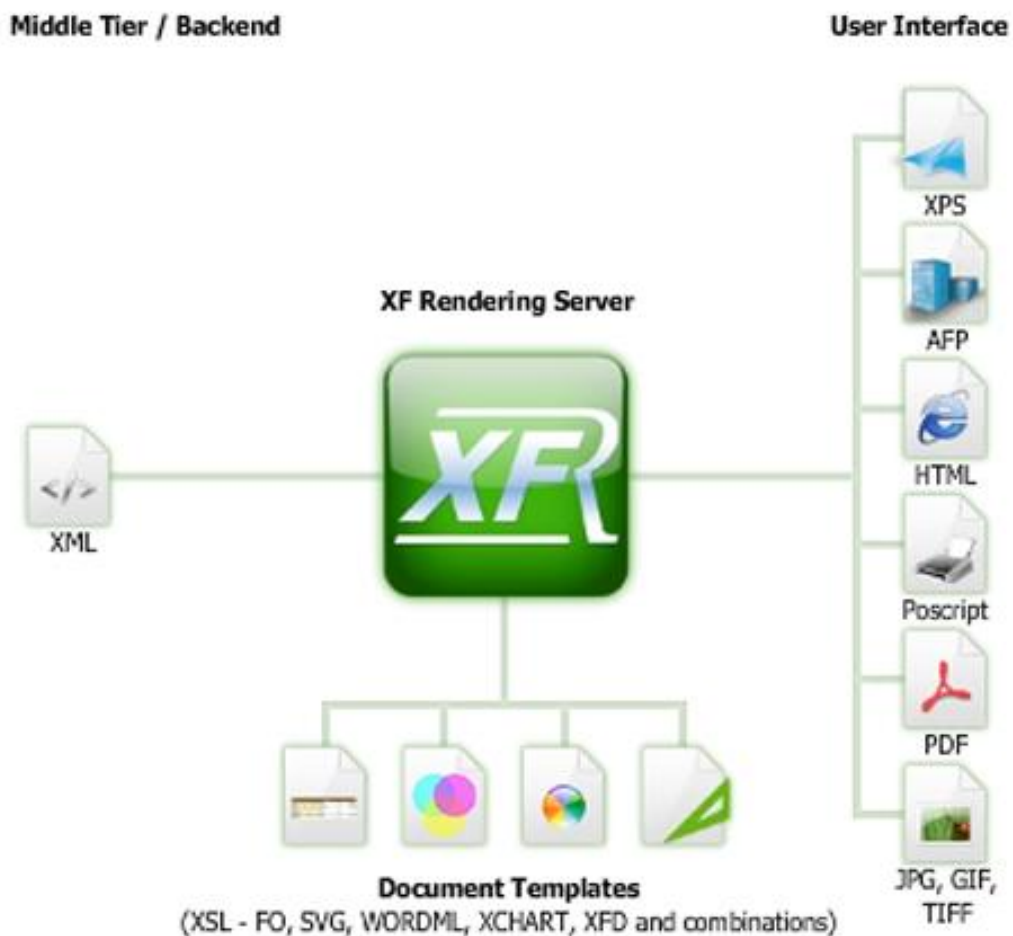
XF Rendering Server 2008

Architects Overview

Solution Overview

XML has become the standard of collaboration between various layers of multitier enterprise applications. Solution architects conceive software systems decoupling the means of providing and computing application specific data from the means of interpretation of the data.

XF Rendering Server 2008 helps solution architects maintain intelligent application partitioning by providing easy to integrate, flexible and scalable, XML based document publishing.



XF Rendering Server 2008 can flow the XML data through richly formatted templates delivering complex, professional looking documents.

Organizations can extend their enterprise applications by integrating XF Rendering Server 2008 to dynamically present the information they already have in a variety of formats.

Key Features

- Enables high-throughput production of customized documents
 - Generates documents in PDF, XPS, Postscript, HTML, JPEG, TIFF, AFP (MO-DCA), INX and more from one single source of content.
 - Produces high-quality outbound communications personalized and delivered in a format that suits customer needs.
 - Eliminates costs that escalate with custom programming and manual document production.

- Versatile document generation
 - Supports complex text layout and pagination.
 - Create customized, visually rich charts and graphics.
 - Secures documents with password-based encryption.
- Supports enterprise development
 - Open architecture based on open XML standards for easy integration with existing systems.
 - Support for APIs (Application Programming Interfaces) for use in COM+, .NET, VB, ASP, and SOAP environments.
 - Scalable server architecture that can run across multiple CPUs, meeting the high-performance needs of your business.

XML Standards

Developers designing document templates use:

- **SVG** for generic vectorial graphics like company logos and maps.
- **XSL-FO** for paginated documents.
- **XCHART** for charts.

XSL-FO is a W3C (Word Wide Web Consortium) standard that combines XML data with layout information for multipage documents containing text, graphics and images. XSL-FO language can be easily learned by HTML/XSL developers; in addition you can use Ecrion XF Designer 2004 to edit XSL-FO documents visually.

SVG is W3C standard for describing two-dimensional vector and mixed vector/raster graphics in XML. SVG allows for three types of graphic objects: vector graphic shapes (e.g., paths consisting of straight lines and curves), images and text. Graphical objects can be grouped, styled, transformed and composited into previously rendered objects. The feature set includes nested transformations, clipping paths, alpha masks, filter effects and template objects. Typical utilizations include charts, maps and art graphics.

XCHART is a XML language developed by Ecrion Software for describing all purpose charts. XCHART allows creation of Pie, Area, Bar, Scatter and Line charts and supports embedding of SVG and XSL-FO documents.

Advanced Documents Support

Customer satisfaction depends on the effectiveness and usability of your documents. XF Rendering Server 2008 enables enterprises to create professional looking documents both on-demand and in batch processes in a flexible, scalable, robust, and extremely rapid server environment, by providing the following:

- Text layout is computed automatically by the engine. This means that word-wrapping, or breaking paragraphs and tables across multiple pages is done automatically. Widow and orphan lines inside a paragraph are also supported.
- Fonts used in a document are embedded in the generated PDF – the documents will be displayed correctly even if the users don't have those fonts installed.
- A document can have multiple types of pages. You can have the cover page in portrait format and some content pages in landscape format (for example to display a table that is too wide to show in portrait format). Having different layouts for even and odd pages, as it happens with most printed books, is also possible.
- Pages can have headers and footers and their content can be organized in columns.
- Users have the ability to add footnotes, hyperlinks (to a Web page, external document, hyperlinked tables of contents, etc.), perform page numbering, and insert page number citations anywhere in the document.

- Document designers have absolute control over appearance of text and paragraphs including alignment (justifying is also possible), indentation, borders, padding, backgrounds, subscript/superscript positioning, paragraph's line height and more.
- Insert raster images in a variety of formats including JPEG, GIF, TIFF, PNG, EMF and Bitmap.
- Insert SVG vectorial graphics that scale without quality loss. Sometimes raster images are not suitable because they will appear "jagged" when printed – this may be acceptable sometimes for photographic images but is not for company logos or maps.
- Provides the ability to include Area, Line, Scatter, Pie and Bar charts described in XML.
- Supports tagged PDF, PDF-X and PDF-A standards, spot colors, PDF encryption, signatures, document rights and embedding of metadata via Adobe XMP (Extensible Metadata Platform).

System Requirements

- XF Rendering Server 2008 can be used in Microsoft Windows® 2000 Professional and Server, Windows Server 2003, Windows XP and Windows Vista environments.
- Minimum Intel Pentium III, AMD Athlon 500 MHz or better. Intel Pentium IV 2.4 GHz recommended for development computers, dual XEON 3.0 GHz for production servers.
- Minimum 128 Mb RAM, 512 Mb recommended for development computers, 1Gb/CPU for production servers.
- CD-ROM Drive.

More information

Visit us on the web at www.ecrion.com where you can find more information about XF Rendering Server 2008; examine code samples and technical documentation. We have an excellent technical support and any questions regarding our product are answered promptly.

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