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New Features and Enhancements in LEADTOOLS Version 17

New Windows Phone 7 SDK, Performance and Speed Optimizations for Silverlight, Medical Workstation, and 3D

Charlotte, NC (December 17, 2010) - LEAD Technologies, Inc. is proud to release new features and enhancements to LEADTOOLS Version 17. LEAD is committed to providing its customers with powerful, reliable and efficient imaging development toolkits that keep up with the latest advancements in software development platforms and hardware technology. Major additions and improvements include a brand-new Windows Phone 7 SDK, a faster and more user-friendly Medical Workstation Framework, Silverlight optimizations, and new file formats. The best news of all, this significant new release is available **now** to all registered owners of version 17 and customers enrolled in LEAD's annual support and maintenance program.

What's new in the LEADTOOLS Medical Engine

LEAD's medical imaging development team has worked directly with local medical institutions to develop PACS and visualization solutions that meet the requirements of real world medical practices. This first-hand experience and feedback has added significant value, user-friendliness, and efficiency to the Medical Workstation Framework. The 3D volume reconstruction and viewing features received significant performance and efficiency improvements allowing for multiple volumes to be displayed and processed at the same time. The 2D Workstation viewer now incorporates industry-driven display layouts, measurement, and organization tools such as DICOM Media Creation Management, window level presets, patient orientation and chronological timelines which save both doctors and patients time and money.

Core Medical Features

- **IPv6 support** for DICOM Communication.
- **.NET MedicalViewer control** now has the option to use LEADTOOLS .NET annotations for simplified customization and management.
- **Multi-language character support** for loading and saving both ideographic and phonetic characters within the same DICOM element.

New Workstation Framework Features

- **Media Creation Management** - Burn CDs/DVDs with DICOMDIR and full-featured viewer.
- New Workstation Viewer Layout option showing series thumbnails and selected full-size image.
- Store **annotations** on the server and load from any Workstation Client.
- Assign shortcut keys for modality-specific **window level presets** to quickly adjust the display for specific tissues or pathologies.
- **Customizable patient orientation** flips and rotates the image based on Patient Position, Modality or any other DICOM Tag.
- **Chronological Timeline** with thumbnails of studies and series to save time reviewing patient history.

3D Enhancements

- Optimized overall performance and speed.
- Improved resource management, allowing **more 3D volumes to be opened at the same time.**
- Improved **SSD** management allows loading multiple meshes at a time.
- Worked around the 2GB memory limitation in 32-bit Windows which previously limited the number of volumes you could have open at once to just a few. **Now you are limited only by the amount of virtual memory on your system.**

What's new in the LEADTOOLS Document Engine

The LEADTOOLS Document Engine is broadening horizons and customer bases with its new Windows Phone 7 toolkit. Utilizing Silverlight, developers can now extend LEADTOOLS' award-winning file format support, image processing, image viewers and annotations to Windows Phone devices. Additional file formats and OCR improvements are also a part of this exciting release.

- **New Windows Phone 7 SDK** - Develop applications for the Windows Phone 7 platform.
- **Multi-touch** support for Silverlight Windows Phone.
- **Accelerated performance** of the Silverlight SDK.

- Added support for **Microsoft Office 2007 formats**: Word (.docx), Excel (.xlsx) and PowerPoint (.pptx).
- WPF and Silverlight Annotations now support **Rich Text** and **Audio/Video Objects**.
- **OCR Auto-Recognize** enhancements for infinite pages, multi-threading, pre-processing and logging.
- **Table Detection and Handling** support added to the OCR Professional engine.
- Support for JBIG2 files with non-sequential headers (random-access).

What's new in the LEADTOOLS Imaging Engine

The LEADTOOLS Imaging Engine and addons received several new file formats as well as expanded support for newer format editions and versions. The most significant change was the redesign of the PDF Read Engine which has expanded its support and features while reducing complexity and deployment footprint.

- New file formats including **VFF** (Sun TAAC Bitmap), **PCL6** and **JPM** (JPEG2000 part 6).
- **Multi-thread** support in PDF Read Engine.
- Single DLL redistributable for **PDF Read Engine**.
- **Automatically detect the best rasterization options** by examining the contents of the Raster PDF including bits per pixel, original resolution, compression and version.
- Added support for saving **PDF version 1.6** files.
- New **VC++ 2010** versions of C/C++ libraries.

To learn more about all the new features in Version 17.0, including Multimedia go to www.leadtools.com/corporate/new-in-v17.htm.

"This update to V17 adds several new features to the LEADTOOLS product line, and improves upon some of our existing features, says Otis Goodwin, Manager of Developer Support. "While the concentration of our current feature updates is geared towards the document and medical space, we also recognize the tremendous growth in mobile applications. Our new Windows Phone toolkit provides our customers with the necessary tools to provide mobile versions of their web and desktop applications, as well as create other mobile standalone applications."

About LEAD Technologies

Since 1990, LEAD Technologies, Inc. has been a global leader in the imaging developer toolkit market, providing programmers with feature-rich tools to "image-enable" their software applications. LEAD Technologies pioneered the fastest software-only image compression and continues to lead the field in advancing new imaging technologies and offering those technologies to programmers worldwide.

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