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Threshold Computer Systems,Inc debuts XMLEditorKit for Java

Concord, CA, June 2,2003 - Threshold Computer Systems,Inc,  
today announced the availability of XMLEditorKit for Java and  
sample XML Editor for Java.

The XMLEditorKit is a 'Swing' XML Text component extension to  
the Sun Microsystems J2SE JFC/Swing 'javax.swing.text' package,  
it uses the Apache Xerces2 Java Parser 2.4.0 , as its default  
XML Parsing and processing engine.

The XMLEditorKit is the first in a family of "XMLEditorKits",  
being developed by Threshold. It allows the Java Development  
Community to embed a JFC/Swing XML Text Component that will  
load, save, edit, render, process, and validate an XML  
Document in a JFC/Swing Application or Applet.

According to Ray Grimmond, President of Threshold Computer Systems,Inc.

"Users of future XML tools will demand a high-degree of  
visualization, manipulation, and custom rendering of  
document nodes and fragments. It's way more than just XForms  
or building GUI's with XUL."

So where does the XMLEditorKit help ??

"The XMLEditorKit adheres to the spirit and conforms to the  
architecture of the javax.swing.text. package, it allows a  
high-degree of customization and modification by Java  
developers."

Asked whether there are more benefits, he continues

"It saves your development staff from learning  
some proprietary plug-in or inflexible architecture, and  
minimizes the learning curve for those developers already  
familiar with the Swing Text package and with the JTextPane,  
StyledEditorKit, HTMLEditorKit and RTFEditorKit classes.  
It will save organizations months of development time building  
their own custom JFC/Swing XML applications."

He concluded by adding that

"If a company lacks the 'in-house' knowledge to customize  
our product, Threshold provides a professional service  
offering, where they will build custom editors, and custom  
views for clients to edit, render, or process their own  
particular dialect of XML."

## Technical Information

The XMLEditorKit component consists of 3 major java classes XMLTextPane, XMLEditorKit, and XMLDocument that can be used to build XML-based Swing applications. XMLTextPane extends JTextPane, XMLEditorKit extends StyledEditorKit, and XMLDocument extends DefaultStyledDocument.

The XMLEditorKit is built upon javax.swing.text.StyledEditorKit and inherits all the Caret, Cut/Copy/Paste, Font, Selection, and Text Actions, Document, and View classes from the base classes.

New 'Actions' for XML Navigation, Selection, Parser Configuration, Cut/Copy/Insert/Append nodes and fragments, Multiple Views, Read/Write XML, have been implemented by the XMLEditorKit. Included is an XMLUndoManager that provides Undo/Redo support for all insert and remove operations on the underlying XMLDocument and W3C Document.

The XMLEditorKit provides an XMLDocument 'wrapper' to the underlying W3C Document. This design allows multiple XMLTextPane's to access the same W3C Document, and allows any modifications to the W3C Document be automatically reflected in the XMLDocument structure for each active XMLTextPane, and by any of the XMLTextPanes' active Views.

The sample XMLEditor for Java is a prototype Multi-platform editor built using the XMLEditorKit component and its supporting classes. It consists of linked DOM tree View, editable XML source view, and a User console for logging errors and messages. Features include the following:-

Multiple structured text views with inline tags and attributes.

Context sensitive access and editing to all Elements, Attributes, Text, CDATA Sections, Processing Instructions, Entity References, and Comments.

Menu Items for inserting, appending, removing nodes and character references, XML tree cut, copy, paste, compiler flags, navigation, parsing, and validation.

## Pricing and Availability

Product Information is available at

<http://www.qwan.com/XML/XMLEditor.html>

Free 30-Day timeout and Java WebStart demos are available at

[http://www.qwan.com/XML/xmleditor\\_download1.html](http://www.qwan.com/XML/xmleditor_download1.html)

Pricing and packaging options are available at

[http://www.qwan.com/XML/xmleditor\\_pack.html](http://www.qwan.com/XML/xmleditor_pack.html)

About Threshold Computer Systems, Inc.

Threshold Computer Systems, Inc. was founded in 1989, and has provided custom programming solutions in C/C++ and Java to Fortune 1000, small-and-medium sized business, and Independent Software Vendors for over 14 years.

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