IBM® Lotus® Expeditor 6.1 Client for Desktop

Rich Text Editor and Text Analyzer

Lotus software

@business on demand software

This presentation explains the Rich Text Editor and Text Analyzer support provided by IBM Lotus Expeditor 6.1 Client for Desktop.

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Goals

- Understand the Document Services provided by IBM Lotus Expeditor 6.1 Client for Desktop

Rich text editor and text analyzer

The goal of this presentation is to understand the Document Services provided by IBM Lotus Expeditor 6.1 Client for Desktop.

Agenda

- Document Services
  - ▶ Rich Text Editor
  - ▶ Text Analyzer
- Summary

The agenda of this presentation is to explain the Document Services, including Rich Text Editor and Text Analyzer support in the Expeditor Desktop Client.

Document services

Text Analyzer   Rich Text Editor

- Rich Text Editor
  - ▶ DOM-based Editor, provides HTML and plain text editing
  - ▶ A very thin layer on top of the DOM browser
  - ▶ Editing operation is achieved primarily by using DOM calls

- Text Analyzer framework
  - ▶ can be extended to provide Spell Checker functionality.
  - ▶ Spell Checker functionality is used to check misspelled words in a document and supports 26 languages.
  - ▶ The Spell Checker functionality can be used by many editors, by implementing the document interfaces

Document services support in the Expeditor client includes the Rich Text Editor and the Text Analyzer.

The Rich Text Editor is a DOM-based Editor, which provides HTML and plain text editing. It is a very thin layer on top of the DOM browser, and the editing operation is achieved primarily by using DOM calls.

The Text Analyzer framework can be extended to provide Spell Checker functionality. Spell Checker functionality is used to check misspelled words in a document and supports 26 languages. The Spell Checker functionality can be used by many editors, by implementing the document interfaces.

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Section

Rich text editor

Rich text editor and text analyzer

Now, let's review the details of Rich Text Editor

Rich text editor

Rich Text Editor

- Based on the DOM browser widget, which is based on the SWT browser widget.

- Completely configurable, manageable, and easily modified.

- Can be embedded in a Java™ application

- Can provide a default UI (such as a tool bar)

- Provides APIs for application development

- Can extend an application's functions, such as handling events and contents

Rich text editor and text analyzer © 2006 IBM Corporation

The Rich Text Editor is a text editor that provides a full set of APIs to support rich text editing functions. It is based on the DOM browser widget, which itself is based on the SWT browser widget.

The Rich Text Editor has the advantage of being completely configurable, manageable, and easily modified. It is based on the DOM Browser, can be embedded in a Java application, and provides a default UI (such as a tool bar). It provides APIs for application development, and can extend an application's functions, such as handling events and contents.

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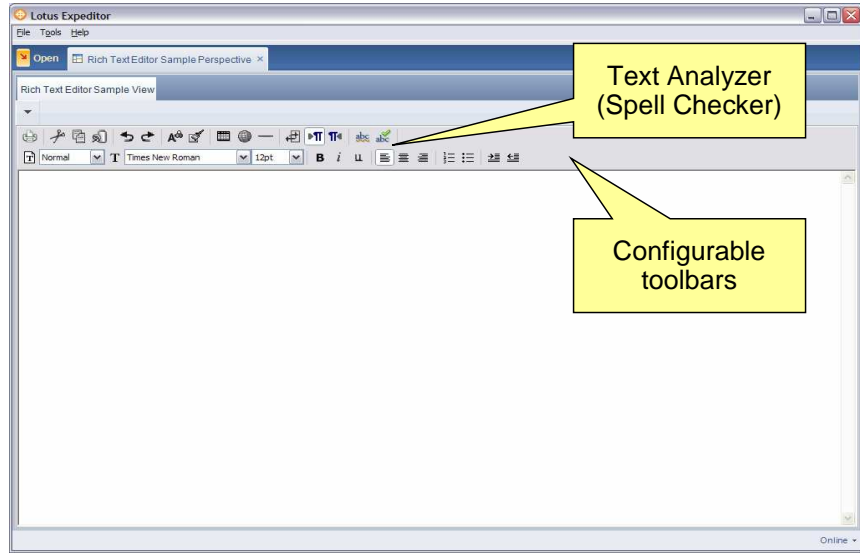
Rich text editor – API

Rich Text Editor

- Provides an API set to support rich text editing functions
  - ▶ Text Editing, Paragraph Control, Find/Replace, Image Operation
  - ▶ Table/List, Link, Horizontal Rule, BiDi Support

- Provides an API set to add and remove listeners
  - ▶ Use them to add custom listeners to documents, implement new functions, or attach new components to the Rich Text Editor.

Rich text editor and text analyzer

Provides an API set to support rich text editing functions, such as:
- Text Editing, Paragraph Control, Find/Replace, Image Operation, Table/List, Link, Horizontal Rule, and BiDi Support
- Also provides an API set to add custom listeners to Rich Text Editor documents.
- The Rich Text Editor API provides add/remove listener methods. You can use them to add custom listeners to documents, implement new functions, or attach new components to the Rich Text Editor.

Rich text editor sample

Rich Text Editor

Text Analyzer
(Spell Checker)

Configurable
toolbars

Rich text editor and text analyzer

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Here is a screen shot of the Rich Text Editor Sample

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Rich text editor - Summary

Rich Text Editor

- DOM-based Editor, which provides HTML and plain text editing

- RTE can be embedded in a java application such as
  - a mail, IM, or calendar application and
  - can provide a default UI, such as a tool bar.

- API
  - com.ibm.rcp.rte – Launch and control a rich text editor

- Target feature:
  - Rich Text Editor

- Reference:
  - Developer's Guide "Using the Rich Text Editor"

Rich text editor and text analyzer © 2006 IBM Corporation

In Summary – The Rich Text Editor is a DOM-based Editor, which provides HTML and plain text editing. RTE can be embedded in a java application such as mail, IM or calendar application, and can provide a default UI, such as a toolbar. More information can be found in the Developer's guide under "Using the Rich Text Editor"

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Text analyzer

Rich text editor and text analyzer

Now, let's review the details of Text Analyzer

Text analyzer

- Extend the Text Analyzer framework to provide Spell Checker
  - used to check misspelled words in a document
  - Spell Checker supports 26 languages
  - Can be used by many editors, by implementing the document interfaces

- Contribute new engines and dictionaries
  - com.ibm.rcp.textanalyzer.Dictionaries extension point - for applications to contribute new dictionaries.
  - com.ibm.rcp.textanalyzer.Engines extension point - for applications to contribute new engines.

- The framework supports two engines:
  - jFrost - IBM LanguageWare 5 engine
  - POE - IBM LanguageWare 2.7 engine

Rich text editor and text analyzer

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You can extend the Text Analyzer framework to provide Spell Checker functionality, which is used to check misspelled words in a document.

Spell Checker supports 26 languages and can be used by many editors, by implementing the document interfaces. You can contribute new engines and dictionaries to the Text Analyzer framework so that applications can use customized engines and dictionaries through the framework.

Use the com.ibm.rcp.textanalyzer.Dictionaries extension point for applications to contribute new dictionaries.

Use the com.ibm.rcp.textanalyzer.Engines extension point for applications to contribute new engines.

The framework supports two engines by default:

jFrost - IBM LanguageWare 5 engine

POE - IBM LanguageWare 2.7 engine

Text analyzer

Text Analyzer

- Text Analyzer
  - Extend the Text analyzer framework to provide spell checking for misspelled words
- API
  - com.ibm.rcp.textanalyzer.*
- Extension points:
  - com.ibm.rcp.textanalyzer.Dictionaries – contribute new dictionaries
  - com.ibm.rcp.textanalyzer.Engine – contribute new spell check engines
- Target Feature
  - Common Text Analyzer Framework
- Reference
  - Developer's Guide: Extending the Text Analyzer

Rich text editor and text analyzer

In Summary the Text Analyzer framework can be extended to provide Spell Checker functionality. It provides an API set to support spellchecking functions. And, it provides extension points to contribute new Dictionaries and engines. More information can be found in the Developer's Guide under "Extending the Text Analyzer".

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