

EiffelRSS

Martin Luder Michael Käser Thomas Weibel

31st January 2005

What is RSS?

- Acronym for Really Simple Syndication, Rich Site Summary or RDF Site Summary
- XML format for syndicating news, the content of news-like sites and pretty much anything that can be broken down into discrete items, e.g. the "recent changes" page of a Wiki, a changelog of SVN checkins, even the revision history of a book
- Once information about each item is in RSS format, an RSS-aware program can check the feed for changes and react to the changes in an appropriate way.
- There are 9 different and incompatible versions of RSS, EiffelRSS handles only RSS 2.0 at the moment, but can handle all of them through specialized reader and writer classes.

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- EiffelRSS is an Eiffel library to read and write RSS. The goal is to provide the Eiffel development community with an easy to use and well structured API for RSS.
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EiffelRSS Library: Helper Clusters

- ADT features classes to implement sortable structures.
- FETCH can fetch data from a source address to a local STRING using HTTP, FTP and file.
- LOGFILE represents a file which can be used for logging messages during the program execution.
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EiffelRSS Library: SYNDICATION

- **SYNDICATION** is the main cluster of EiffelRSS with a feed object model, and classes to load and write feeds. It has three subclusters:
 - **INTERFACE** contains all the classes a developer needs to use the library.
 - **FEED** is the central datastructure of EiffelRSS. It defines an abstract syndication feed.
 - **FORMATS** defines the different syndication formats. It is easy extensible with other formats.

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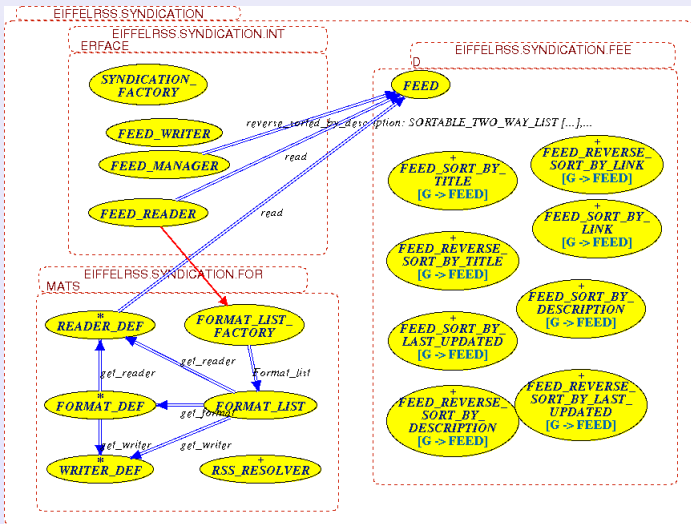
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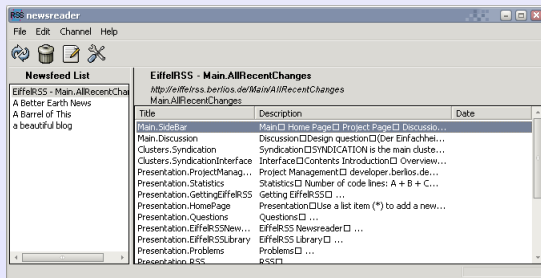
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[EIFFEL RSS SYNDICATION](#)
[EIFFEL RSS SYNDICATION JAR](#)



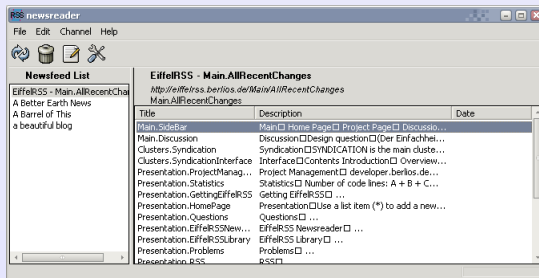
EiffelRSS newsreader

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- You can add custom feeds and open news in your Internet browser.
- Features a graphical and command line user interface.



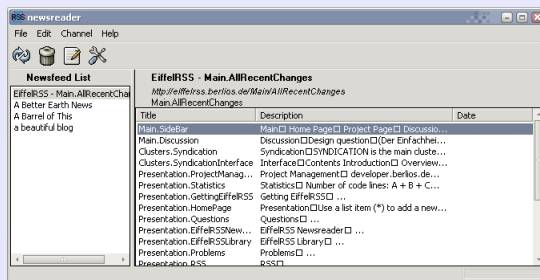
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- Gobo Eiffel test (getest)

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Problems

- EiffelNet has only support for HTTP 1.0 and is quite unstable
- The XML parser of gobo has problems with entites and special characters
- No sortable data structures
- No real stream concept, e.g. input and output are no files

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 - Library: 5448
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