FatRat Download Manager Extensions

Luboš Doležel – FEL ČVUT
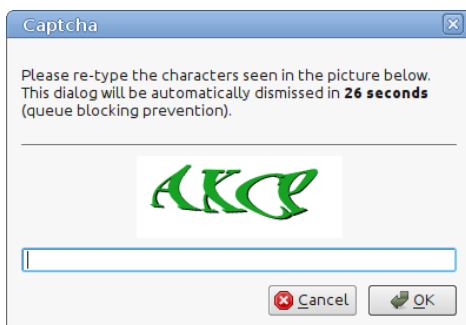<dolezlu3@fel.cvut.cz>

FatRat is an open source download and upload manager for Linux. It offers a Qt 4-based user interface, HTTP/FTP and BitTorrent downloads support, an RSS reader, Jabber remote control, scheduled operations and various plugins (archive extraction, subtitle search etc.). The application is available on many Linux disribations including Ubuntu, Debian or Fedora Linux. The aim of this project was to add new significant features.

1 – AJAX WEB INTERFACE

The first task was to add a new web interface that would offer the same comfort as the GUI and hence enable FatRat to be run as a server-side application.

New HTML 5 features are used in the interface.

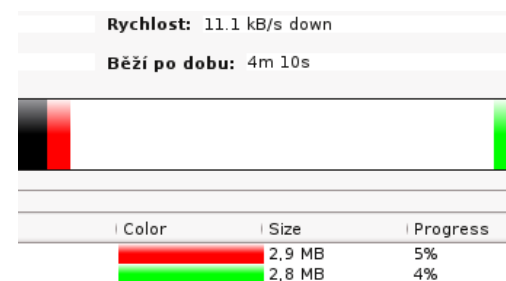## 2 – JAVA EXTENSION SUPPORT

Java extensions simplify adding support for various file sharing servers including RapidShare, HotFile, MegaUpload and YouTube.

Part of this task was to write a C++ wrapper for the Java Native Interface API.

3 – SEGMENTED DOWNLOADS

Segmented downloads enable the user to download a single file from multiple servers at once.

FatRat now includes a highly efficient epoll-based engine boasting speed limiting with all the connections being handled by a single thread.

For more information on the project, visit http://fatrat.dolezel.info.