

## *NeXTArchie - A NeXT specific Archie client*

NeXTArchie is a NeXT analog of George Ferguson's Xwindow based archie client. It provides most of its functionality with the niceties of the NeXT interface. The program is based on the archie.c and aquery.c source found in the Prospero Beta.4.2D release I got from pub/prospero.tar.Z via anonymous ftp from cs.washington.edu, with the graphical feel derived from using Xarchie.

Full NeXT source code is provided in the NeXTArchie.tar.Z along with the libfilter.a and libpfs.a Prospero libraries. The app only version is NeXTArchie.app.tar.Z The code has quite a few comments, although the state of debugging routines is only generally known to me when I am using them and are not well commented. Please feel free to send me suggestions on how things could be done better. Also feel free to ask questions concerning any aspect including something as blunt as ``why in the hell ...''.

### 1.0 Features:

- Graphic display of archie query responses via a browser.
- Noninteractive anonymous ftp retrieval of regular files and listings of directories selected in the browser. Directory listings are now displayed under their parent in the browser and thus allow regular files to be retrieved and subdirectories

**listed adinfinitum.**

- .. **Graphical access to archie command line args via the preferences panel and the ability to save preferences in the defaults database.**
- .. **Reasonable ability to monitor the progress of ftp transactions and error reporting.**
- .. **Simple printing of the main NeXTArchie window.**
- .. **Access to other programs via the Services menu.**

#### **Bug fixes and improvements:**

- 1) **The pattern matching settings in the preferences panel are now what they claim.**
- 2) **The main window can be resized.**
- 3) **The close buttons have been removed from the modal panel so that accidental closure can not happen.**
- 4) **The ability to view and access directory contents brings the program one step closer to having a completely interactive ftp browser.**
- 5) **Hosts with multiple IP interfaces such as archie.doc.ic.ac.uk can now be accessed. This was achieved by substituting the Prospero Beta.4.2D dirsend.c file with the dirsend.c file from Brendan Kehoe's 1.3.1 Carchie.**
- 6) **The modal panel that is displayed during the query of an Archie server now displays additional status information.**
- 7) **Selected text in the TextFields now allows access to other programs via the Services menu.**
- 8) **A few buffer manipulation problems that could cause the program to crash on my**

**system have been fixed.**

**As an aside, for those of you who download the source code, I have used an extended version of the CalendarView class found in several of the NeXT developer examples. The extended version utilizes a robust Date class that provides access to the current system time/date, as well as the ability to accept several other formats. The Date class should correctly account for leap years. The graphical representation of the date now also includes the year.**

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