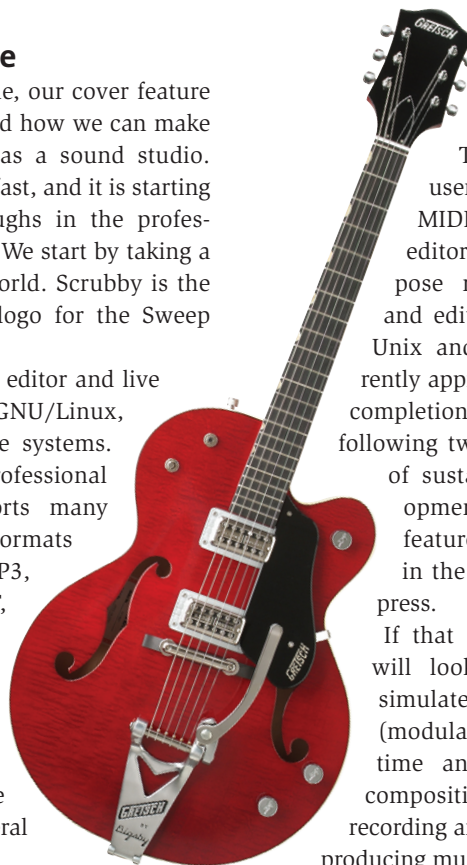# LINUX MAGAZINE

December 2003: Issue 37

Next Month's Highlights

The Art of Noise

In next month's issue, our cover feature is the art of noise and how we can make the most of Linux as a sound studio. Linux is developing fast, and it is starting to make breakthroughs in the professional music studio. We start by taking a look at Scrubby's world. Scrubby is the new virtual stylus logo for the Sweep project.

Sweep is an audio editor and live playback tool for GNU/Linux, BSD and compatible systems. A wonderfully professional tool, Sweep supports many music and voice formats including WAV, MP3, Ogg Vorbis, AIFF, and Speex, with multichannel editing and LADSPA effects plugins.

It is also Free Software, available under the GNU General Public Licence.

We then move onto Rosegarden. This is an attractive, user-friendly audio and MIDI sequencer, score editor, and general-purpose music composition and editing application for Unix and Linux. It is currently approaching 1.0 feature completion and beta testing following two and a half years of sustained active development. Already it has featured in many articles in the professional music press.

If that is not enough, we will look at a system to simulate audio synthesis (modular synthesis) in real-time and allow for song composition, a project for recording and editing MIDI and producing music scores.

Networking Guide

After lots of feedback from you, we take a look at how to build computer networks under Linux. We start with basic principles and quickly guide you through the setting up of an interconnected system. We will cover the creation of Linux gateways that give you an entrance to another network.

In most enterprises, the gateway is the computer that routes the traffic from your workstation to the Internet and beyond. The gateway is also associated with both a router, which uses headers and forwarding tables to determine where packets are sent, and a switch, which provides the actual path for the packets in and out of the gateway.

The World of Zope

Zope is an open source web application server primarily written in the Python programming language. It features a transactional object database that can store not only content and custom data, but also dynamic HTML templates, scripts, a search engine, and relational database (RDBMS) connections.

Zope's security also allows you to turn control over parts of a web site to other organizations or individuals.

There are numerous products (plug-in Zope components) available for download to extend the basic set of site building tools. Zope includes its own HTTP, FTP, WebDAV, and XML-RPC serving capabilities.

On Sale: 7 November