# Linux Magazine DVD



This month's DVD can help you compute faster, test better, and educate yourself. We start with the brand-new version of Yoper, which claims to be the fastest distribution around. The latest release of Knoppix is also included, always something handy to have. The rest of the DVD is packed full of videos of the lectures from the recent aKademy Conference – just sit back and learn from the experts!

## Yoper 2.1

The creators of Yoper call it, "…a multi-purpose, high-performance operating system that has been carefully optimized for PCs with 686-or-higher processor types. The binaries that come with Yoper have been built from scratch us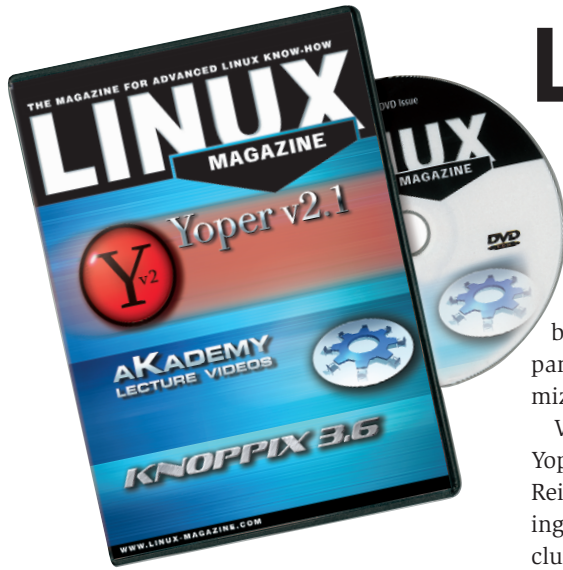ing the original sources combined with the best features of major distros, measuring up to the demanding proliferation of network communications that is ushering in a new era of business productivity…" Their favorite part is when they say "carefully optimized." Yoper likes it fast.

Version 2.1 promises to be the fastest Yoper yet. This version also supports Reiser4 for the root partition, NTFS resizing, graphical partitioning, and a clustered control panel.

"The fastest out of the box OS" is a great niche for a small Linux distro, and the Yoper team rises to the role. Their focus is on optimizing everyday Linux packages to deliver higher performance. Try out Yoper, and see if you notice the difference.

## Knoppix 3.6

The Knoppix juggernaut keeps on rising. This month's DVD includes version 3.6, known as the aKademy version. Inside you'll find Linux kernel 2.4.27 – with kernel 2.6.7 as a boot option – KDE 3.2.3, and Gimp version 2.0.

This version also includes ndiswrapper, for loading proprietary wireless drivers. Debuting with version 3.6 is the FreeNX server, a tool for supporting super-efficient X sessions over network
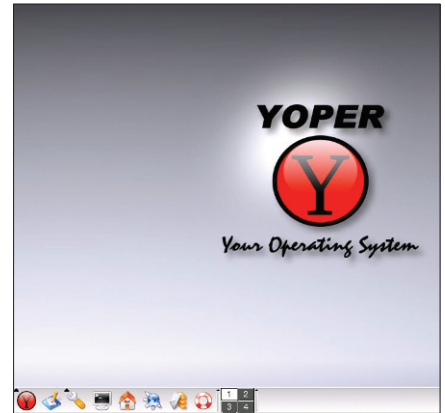


**Figure 1: The Yoper 2.1 Desktop.**

connections. FreeNX alone may be reason enough to start up Knoppix 3.6. FreeNX is based on the NX X compression technology.

FreeNX can reportedly support a perfectly responsive X11 session over a 56K dialup modem. Even if you are happy with the last Knoppix, you might as well try this one too. Why not? It all boots from a CD, so if you don't like it, you can always reboot.

## Linux Kernel 2.6

This month we feature cutting-edge kernels from the 2.6.8 series. We also include the 2.6.9-rc1 release candidate development release. This month' Kernelware is in the */Kernels 2.6* directory:
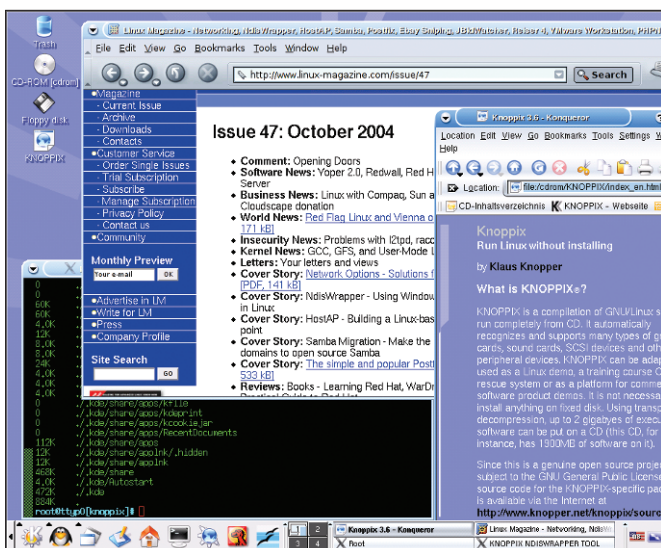


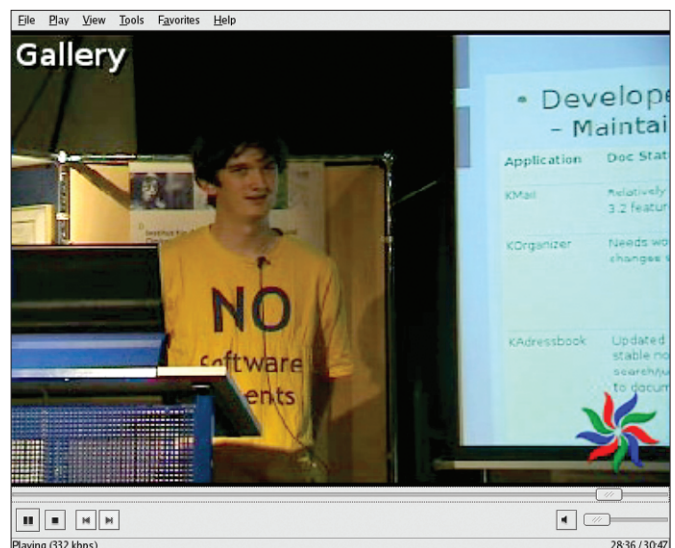**Figure 2: The Knoppix 3.6 Desktop showing Konqueror, Mozilla, and X Terminal.**

**Figure 3: Video file of Tom Chance's talk on "The Future and Promise of Quality Teams in KDE" during aKademy.**

```
linux-2.6.8.1.tar.bz2
linux-2.6.8.1.tar.bz2.sign
linux-2.6.8.tar.gz
linux-2.6.8.tar.gz.sign
linux-2.6.9-rc1.tar.gz
linux-2.6.9-rc1.tar.gz.sign
```

## aKademy Videos

The KDE community's aKademy 2004 conference (see p87 in this issue) had a special streaming video feed so that community members who couldn't attend the conference could still tune in for conference presentations. The streaming media company Fluendo provided the technology for the video recording and broadcast.

On this month's DVD, we make the video files from the aKademy conference available to Linux Magazine readers. You can play these files with any stream-capable player such as HelixPlayer 1.0.

The box below shows all the video presentations available to you on the Linux Magazine DVD. These videos are located in the */aKademy* directory. For abstracts of these talks and biographies of the speakers, visit the aKademy Conference website *http://conference2004.kde.org/sched-devconf.php*. ∎

| aKademy Conference Videos | | |
|---|---|---|
| **Development** | | |
| **Designing Qt-style APIs** | by Matthias Ettrich | Matthias_Ettrich_Designing_Qt-style_APIs_video.ogg |
| **Object Prevalence in C++** | by Harri Porten | Harri_Porten_Object_Prevalence_in_C++_video.ogg |
| **Meta-Programming in KDE** | by Cornelius Schumacher | Cornelius_Schumacher_Meta-Programming_in_KDE_video.ogg |
| **Beyond Hierarchical Data: Search and Meta Data as Fundamental Interface Elements** | by Scott Wheeler | Scott_Wheeler_Beyond_Hierarchical_Data_video.ogg |
| **Regression Testing and Automation Using KD Executor** | by David Faure | David_Faure_Regression_Testing_video.ogg |
| **Common Code Patterns** | by Gustavo Boiko and Helio Chissini de Castro | Gustavo_Boiko_Common_Code_Patterns_video.ogg |
| **Using KJSEmbed in KDE Applications** | by Ian Reinhart Geiser | Ian_Reinhart_Geiser_KJSEmbed_video.ogg |
| **Multimedia** | | |
| **MAS in KDE** | by Leon Shiman | Leon_Shiman_MAS_in_KDE_video.ogg |
| **Network-Integrated Multimedia Middleware** | by Marco Lohse, Michael Repplinger, Philipp Slusallek | Marco_Lohse_NMM_video.ogg |
| **GStreamer** | by Christian Fredrik Kalager Schaller, Scott Wheeler | Scott_And_Christian_GStreamer_video.ogg |
| **Integration** | | |
| **Linux Registry** | by Avi Alkalay | Avi_Alkalay_Linux_Registry_V_video.ogg |
| **Cooperation With the Window Manager** | by Lubos Lunak | Lubos_Lunak_Cooperation_With_the_Window_Manager_video.ogg |
| **Common Information Model – Use-cases, KDE-integration** | by Matthias Hölzer-Klüpfel | Matthias_Hoelzer-Kluepfel_Common_Information_Model_video.ogg |
| **Techniques** | | |
| **Model/View With Qt 4** | by Marius Bugge Monsen | Marius_Bugge_Monsen_Model_View_With_Qt_4_video.ogg |
| **Writing Plugins as an Introduction to KDE** | by Brad Hards | Brad_Hards_Writing_Plugins_video.ogg |
| **Rendering and Laying Out Unicode Text** | by Lars Knoll, Trolltech | Lars_Knoll_Rendering_and_Laying_Out_Unicode_Text_video.ogg |
| **Tools** | | |
| **What is new in Eclipse 3.0?** | by Wassim Melhem | Wassim_Mehem_Eclipse_30_video.ogg |
| **Performance Optimization** | by Josef Weidendorfer | Josef_Weidendorfer_Performance_Optimizations_video.ogg |
| **How NX Can Accelerate KDE Development** | by Kurt Pfeifle | Kurt_Pfeifle_NX_video.ogg |
| **Unix Accessibility** | | |
| **Opening Talk: Desktop Accessibility for Hackers** | by Aaron Leventhal | Aaron_Leventhal_Desktop_Accessibility_for_Hackers_video.ogg |
| **The State of Unix Accessibility** | by Peter Korn | Peter_Korn_The_State_of_Unix_Accessibility_video.ogg |
| **Making Qt/KDE Applications Accessible** | by Harald Fernengel | Harald_Fernengel_Making_Qt_KDE_Applications_Accessible_video.ogg |
| **Community** | | |
| **The Future and Promise of Quality Teams in KDE** | by Tom Chance | Tom_Chance_Future_of_KDE_video.ogg |
| **freedesktop.org talk** | by Daniel Stone | Daniel_Stone_Freedesktop_video.ogg |