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Welcome to the new Millennium. Looking back at 1999 it is really breath taking what Linux has achieved. Linux Weekly News has published a 1999 time line. 1999 was the year of the 2.2 Kernel, Gnome, a very stable KDE and of course the public offerings of RedHat, Cobalt Networks, VA Linux and a few other Linux related companies.

The Gnome and KDE have very much changed the perception that Linux is only a Server platform and the public offerings have brought a lot of attention to Linux. 2 years ago it was often necessary to explain first what Linux is. Now suddenly everyone seems have heard about Linux. The Linux market is growing exponentially and I am quite sure that this year will be even more exciting than previous years.

Despite the excitement we need to be alert. A patent lasts 20 years and that is a very long time in the software world. Especially in the software world

more and more patents get filed for rather simple things. Originally patents were made to protect investment in years of research and development. Today software patents are mostly filed for obvious ideas and sometimes even techniques that are already in use. These patents can block innovation and wide spread use for a long time. Software patents are especially a problem for developers of free software as a patent basically makes it impossible to implement that idea as free software. Richard Stallman has <u>called for a boycott</u> against Amazon.com. Amazon, it seems, is trying to use its patent for "one click ordering" against competitor Barnes & Noble. The great innovative step of Amazon's patent is to store private data in a web-browser cookie. A technique for which cookies were made after all.

System Administration

- How to partition your hard drive for Linux, by Thomas Mangin Thomas explains how he has chosen to partition his hard disk.
- Home Networking, glossary and overview, by Guido Socher This shall be the first article in a series about IP networks.
- Recycling Ip Addresses with Apache, by Atif Ghaffar
 This article demonstrates how to serve multiple virtual web servers using the same Ip address with Apache on Unix/Linux.
- VXE, a Linux security tool, by Serge Lozovsky

 Serge Lozovsky presents a software package that he developed to make UNIX systems more secure.

Among the revolutionary tools of NeXTStep, the first in order of appearance on the screen was indisputathe File Viewer. Thanks to the path-view in that File Manager you always knew where you were. It was a than a manager, it was a true browser. FSViewer is a NeXTStep a like File Manager for WindowMaker.	
 WindowMaker the spirit of NextStep, by Georges Tarbouriech Window Maker 0.61.1 is the latest release of a NeXT look-alike window manager. 	
Software Development	
• Perl part III, by Guido Socher This article explains how to use arrays in Perl.	
The LinuxFocus Tip	
The Linux EXT2 file system usually gets a forced file system check after 20 mount counts. On todays big partisuch a file system check can take several minutes. Home and desktop computers are switched on and off more than server machines. As a regular computer user you may therefore see the message has reached maximum mount count, check forced several times a week.	often
A file system check once in a while is a good idea but once every week or two may be too much for you. Here you can increase the max mount count for your partitions.	is how
 First rule: Never use tune2fs on a mounted file system. Get a rescue software for Linux such as the tomst from www.toms.net/rb/. Tomsrtbt is a Linux system on just one floppy. You can boot from it and then use tune2fs as described below. You may also download the tomsrtbt-1.7.185.tar.gz directly from here. Unpack file. Installation instructions are included. Once you have booted from the rescue disk you can run the command fdisk -1 to see all your partitions. Run the command dumpe2fs /dev/YourDev grep Max to see what the current max mount count on a given partition is. Replace the YourDev by the appropriate device (e.g hda5). To change the maximum mount count to a higher value (e.g 50) use tune2fs -c 50 /dev/YourDev Run the above tune2fs command for all your hard disk partitions which are marked as "Linux native". You also change the mount count value a bit for every partition (e.g 50, 60, 70). That way not all partitions forced check at once. 	e the c the c the

FSViewer, a File Manager for WindowMaker, by Georges Tarbouriech