get started

6 Installing FreeBSD 7.1 with Enhanced Security (Jails)
Remko Lodder
This article will guide people that are new to FreeBSD on installing the software and enhancing its security by setting up FreeBSD jails that will give service to for example an webserver.

DVD description

16 DVD Contents
A description of DVD content – check what we have prepared for you in this issue.

how-to’s

18 OpenSMTPD
Gilles Chehade
In this issue I will shamelessly take the opportunity to write about the smtp server that was imported into the OpenBSD source tree last November. It isn’t enabled yet, it isn’t even linked to the build, but it is doing good progress and this article will describe what it currently does.

24 Getting a GNOME Desktop on FreeBSD
Jan Stedehouder
‘Why would you want to install GNOME on FreeBSD? It’s a KDE system!’ This summarizes some remarks I got when checking out how to install the GNOME desktop environment on a FreeBSD box.

28 Packaging Software for OpenBSD – Part 2
Edd Barrett
In the last article in this series, we looked at how to package a simple piece of open source software for OpenBSD. In this article we build on what we learned last time and move onto some more advanced features provided by the ports system in order to package software with more complex needs.

32 A Jabber Data Transfer Component
Eric Schnoebelem
So, you’ve got your Jabber server up and running, the family using it, and you’re still in contact with your friends on the ‘walled garden’ networks. You’re having family meetings in using a conference room, and all the family communications are secure. What next?

36 Building a FreeBSD Wireless Router
Eric Vintimilla
Why use a FreeBSD machine as a wireless access point? Don’t most Internet Service Providers give you a free modem/router? While this may be true most of the time, it is not always the case. Besides, building your own is easy, and it gives a great deal of options for both System Administrators and control freaks alike.

40 CPU Scaling on FreeBSD UNIX
Slawomir Wojciech Wolfczak (vermaden)
Comparing FreeBSD to other solutions like Solaris or Linux implementations, that directly follow Intel’s defined C-states and P-states for CPU, FreeBSD goes a bit further by offering the end user every possible frequency that the CPU can run on, this may sound misleading, but things will be simple afte

security corner

44 LDAP Authentication on OpenBSD Boxes
Nicolas Grenèche
LDAP (Lightweight Directory Access Protocol) is a massively used protocol to store user’s information. This protocol is implemented in OpenLDAP, a directory software available on every operating system’s package manager.

48 FreeBSD and Snort Intrusion Detection System
Svetoslav P. Chukov
What is an intrusion detection system? The Intrusion Detection System shortly called IDS is a software and/or hardware designed to help you to detect attempts of accessing computer systems, mainly through a network, such as the Internet.

mms

54 Build An Embedded Video Web Server With NetBSD
Donald T. Hayford
While it’s safe to say that the recently developed USB video driver was built and tested using only a desktop “i386-compatible” machine, the beauty of NetBSD is that the same driver will work on any NetBSD-supported hardware. So grab your favorite embedded processor and let’s try some video.

tips & tricks

60 FreeBSD Tips
Dru Lavigne
Whether you’re new to FreeBSD or have been using it for some time, learning a new trick or two can save you time and increase your user experience.

64 Maintaining System Configuration Files Using Subversion
Mikel King
Recently I was asked about maintaining a data center full of servers. More specifically about maintaining a repository of the configuration files for all servers in the data center. And this is what I am going to show you in this article.

interview

66 Q&A about Dtrace
Federico Biancuzzi
Federico interviews John Birrell and George Neville-Neill about Dtrace – a dynamic tracing system developed by Sun Microsystems