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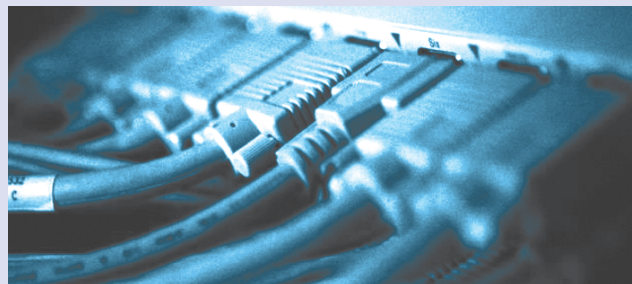
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20 Networking Basics

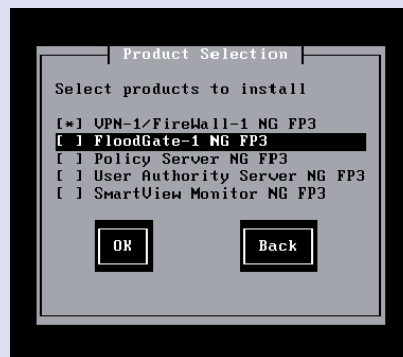
No matter if you are simply connecting to a network or use a laptop at home and at the office to log on to different networks every day; the mystery of connecting up to a network remains the same. Fortunately, there is no black magic involved – it is just a question of understanding the basic procedures. With just a few clicks in the right menus you will be happily connected to a new network.



44 Check Point SecurePlatform

Check Point's SecurePlatform provides a hardened Red Hat Linux with Check Point's own Firewall-1 NG and allows you to install an extremely well-secured firewall and a minimal

Linux distribution yourself within just a few minutes – without any of the usual assistance from system integrators or consultants. The system can be set up for either a business or a small office.



58 SMB Protocol

The Server Message Block (SMB) protocol specifies how Windows computers communicate on a network. SMB provides access to files, printers, serial lines and communication channels such as named pipes and mailslots. Samba is a free SMB implementation. We explain the history and the basics of the protocol to enable you to use SMB-capable computers as both clients and servers for peer-to-peer networking, sharing that all important data.



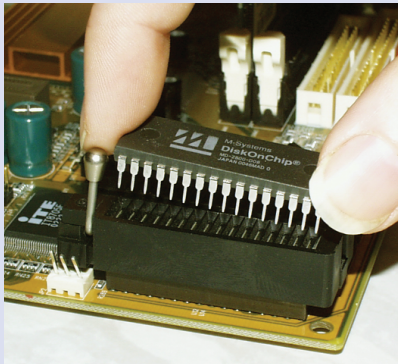
62 Cryptography

If an attacker gains direct access to a computer, any data stored there is up for grabs, even if they have to physically remove the hard disk. The only safeguard is to encrypt. Rather than spend time encrypting on a file by file basis, you should opt for an encrypted file system. It is not necessary to set up another partition, as you can use the loop-back device to mount files as block devices.



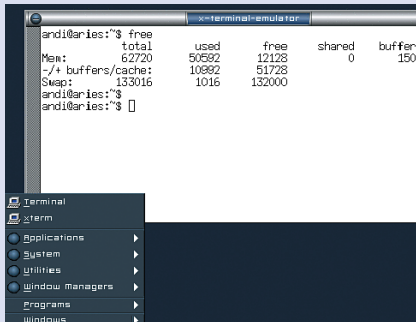
76 LinuxBIOS

If you have not come across the LinuxBIOS project yet, you may be amazed at what it sets out to do. The project releases yet another part of your PC to Open Source software. By changing the software on the BIOS chip itself, you can boot the Linux kernel within seconds of turning the machine on.



84 DeskTOPia: IceWM

There is no need to throw away your old hardware. It may not be able to cope with KDE and Gnome, but IceWM is small and neat. With a little planning you will be able to still use last year's make of computer with a modern GUI environment. Even with such a small footprint, this window manager has all the essential features that you require.



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