

NEXTSTEP In Focus, Spring 1994 (Volume 4, Issue 2).
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At Your Fingertips

You can find answers to many NEXTSTEP system administration questions in NEXTSTEP In Focus. Past articles cover topics in the basics, working with NetInfo and NFS, security, configuring hardware, and more. Articles are available in NeXTanswers, so the information is right at hand whenever you need it.

*To access NeXTanswers, send Internet e-mail to **NeXTanswers@next.com** with the words "help index" in the subject line. You'll receive instruction on how to use NeXTanswers via e-mail, ftp, Worldwide Web, and fax. Or, call (415) 780-3990 from within the US and request documents 1000 and 1001.*

System Administration Basics

Foolproof Guide to Backups

Issue: *support bulletin*, Spring 1992

NeXTanswers: 1090

Author: Andreas Sautter

Keywords: administration, security, backup, reliability

Backing up the data on your computers is an integral part of day-to-day computer operations. This article tells you what data to back up and describes tried-and-true methods of performing various backup operations.

Optimizing Virtual Memory with swaptab

Issue: *support bulletin*, Winter 1993

NeXTanswers: 1020

Author: Alan M. Marcum

Keywords: administration, swapfile, **swaptab**, swap, page, backing store, performance, swaptimizer

In most cases, the default configuration of the NeXT virtual memory system is all you need. Sometimes, though, customizing can improve a system's performance. This article explains the swapfile configuration, the virtual memory system's optimizer, and how to use multiple swapfiles.

Prowling About in syslog

Issue: *support bulletin*, Winter 1993

NeXTanswers: 1016

Author: Dave Cottle

Keywords: **syslogd**, Console, message, **syslog.conf**

This article explains how the message logging system works and explores a few ways to customize it.

fsck to the Rescue

Issue: *support bulletin*, Winter 1993

NeXTanswers: 1024

Author: Dave Cottle

Keywords: **fsck**, I/O, buffer, disk, file system, cache

This article explains what the block I/O buffer cache is, how file systems can be corrupted, and how the cache relates to the **fsck** command.

Beware the Power of root

Issue: *support bulletin*, Summer 1991

NeXTanswers: 1027

Keywords: **root**, administration, security

Logging in as **root** gives you increased power over your system and its network. This is an important tool, but it also allows you to do serious damage if you use it incorrectly. This article gives suggestions on using **root** privileges safely.

Networking and Connectivity

Advanced Networking Tools

Issue: *NEXTSTEP In Focus*, Fall 1993

NeXTanswers: 1496

Author: Dan Peknik

Keywords: network, tool, administration, performance, topology, network diagram, congestion, collision, **netstat**, SNMP, **snmpnetstat**, **telnet**, **rsh**, **nfsstat**, network analyzer, sniffer, bridge, router, repeater, signal, NetInfo

In managing a large Ethernet network, you need to assess your network's performance and understand how it affects servers and clients. Several programs in UNIX and NEXTSTEP can help you collect diagnostic data. You can also use third-party tools to design and manage networks effectively.

Options in E-Mail from Home

Issue: *support bulletin*, Winter 1993

NeXTanswers: 1017

Author: John S. Karabaic

Keywords: connectivity, e-mail, **sendmail**, UUCP, leased line, telephone, modem, LAN, Ethernet, TCP/IP, AppleTalk, EtherTalk, ISDN, UNIX

This article explores the ways you can exchange e-mail from home and compares costs and benefits. It also details how to work with a UNIX dial-in connection.

Inroads in Connectivity

Issue: *support bulletin*, Fall 1992

NeXTanswers: 1069

Author: Dave Cottle

Keywords: connectivity, Novell NetWare, Internet, LAN, Ethernet, IP, printers, namespace, AppleTalk, EtherTalk, ISDN, UNIX

Release 3.0 includes client software that lets you use your NeXT computer to access files and printers from a Novell NetWare or AppleTalk network. It also supports Integrated Services Digital Network (ISDN) communication. This article explains how to use these features.

Behind the Scenes of NeXT Networking

Issue: *support bulletin*, Summer 1992

NeXTanswers: 1013

Author: Marc Majka

Keywords: connectivity, Internet, LAN, Ethernet, IP, routers, IP addresses, netmask, UDP, TCP, port, **ftp**, **telnet**, **lpd**, SMTP, NFS, WindowServer, NTP, **lookupd**, NetInfo, Domain Name Service (DNS), Network Information Service (NIS)

This article examines fundamentals of NeXT networking and how to use a NeXT computer to take advantage of UNIX networking.

Taking Your Network Home

Issue: *support bulletin*, Summer 1992

NeXTanswers: 1008

Author: John Landwehr

Keywords: Ethernet, modems, telephone, NeXTmail, TCP/IP, dialup, Internet, networking, PPP, SLIP

You can use TCP/IP links to connect to remote networks at low cost. This article explains how they work and how to set them up.

Dialing Up for Network Service

Issue: *support bulletin*, Spring 1992

NeXTanswers: 1093

Author: Dennis Gentry

Keywords: TCP/IP, IP, WAN, LAN, dialup, Internet, networking, PPP, SLIP

It has become popular to use ordinary phone lines to connect physically isolated or frequently moved computers to networks. This article shows how mere mortals can connect NEXTSTEP computers in this way.

NetInfo

Detecting Rogue Servers

Issue: *NEXTSTEP In Focus*, Spring 1994

Author: Alan M. Marcum

Keywords: NetInfo, lookup, rogue, troubleshooting, master, clone, server, client,, property, key, value, **nicheck**, **netinfod**

Rogue servers are NetInfo servers that are set up improperly and wreak havoc on a network. Tracking them down can be tedious, but you can use a script to make the task easier.

Getting Acquainted with NetInfo

Issue: *NEXTSTEP In Focus*, Summer 1993

NeXTanswers: 1271

Author: Marc Majka

Keywords: NetInfo, lookup, **lookupd**, hierarchy, master, clone, server, client, database, update, parent, child, tag, domain, property, key, value, SimpleNetworkStarter, NFS Manager, User Manager, Print Manager, Host Manager, NetWare Manager, NetInfo Manager, **niutil**, **nidomain**, **niload**, **nidump**, NetInfo Kit

Because NetInfo is central to NEXTSTEP configuration and networking, it's useful for you to know what NetInfo does, how it's organized, and how you can use it to make your system administration tasks easier. This article introduces the basic concepts of NetInfo and gives you a roadmap to follow so you can learn more on your own.

Typical NetInfo Setup

Issue: *NEXTSTEP In Focus*, Summer 1993

NeXTanswers: 1280

Author: Alan M. Marcum

Keywords: NetInfo, hierarchy, domain, **serves**, first-level, second-level, balance, example

This article presents a fictional NetInfo installation, which is used as an example in the other articles in this issue and in subsequent issues.

Before NetInfo Starts

Issue: *NEXTSTEP In Focus*, Summer 1993

NeXTanswers: 1281

Author: Alan M. Marcum

Keywords: NetInfo, manual, automatic, Internet, Internet address, network mask, broadcast address, host name, netmask, subnet, configuration, troubleshooting

This article describes how a booting computer gets its Internet address, network mask, broadcast address, and host name. It also gives tips for making sure configuration works

properly and describes the environment experienced by programs running prior to NetInfo's starting.

NetInfo Lookup ServerDlookupd

Issue: *NEXTSTEP In Focus*, Summer 1993

NeXTanswers: 1275

Author: Alan M. Marcum

Keywords: lookup server, **lookupd**, NetInfo, DNS, NIS, **libc**, client, cache, local, printer, troubleshooting

This article explains what **lookupd** is and what it does, and gives tips on spotting and fixing problems that involve it.

NetInfo Binding and Connecting

Issue: *NEXTSTEP In Focus*, Summer 1993

NeXTanswers: 1274

Authors: Alan M. Marcum and Marc Majka

Keywords: bind, connect, NetInfo, domain, hierarchy, **nibindd**, **netinfod**, parent, child, protocol, broadcasthost, **serves**

This article explains how domains find their parents, how clients find NetInfo servers, and the differences between the two processes.

Propagating Updates

Issue: *NEXTSTEP In Focus*, Summer 1993

NeXTanswers: 1276

Authors: Alan M. Marcum and Garth Snyder

Keywords: database, master, clone, NetInfo, update, performance, update coalescing, startup

This article explains how update propagation works, including its performance optimizations and how it handles tricky updates.

Tough Stuff

Issue: *NEXTSTEP In Focus*, Summer 1993

NeXTanswers: 1278

Authors: Alan M. Marcum and Marc Majka

Keywords: NetInfo, tough, master, server, domain, change, name, Internet address,

trusted_networks, troubleshooting, starting, routing, binding, **nibindd**, **netinfod**, port, failure, sleep, backup, recovery

This article addresses some subtle NetInfo issues: making changes that aren't as simple as you'd think: fixing mistakes in the property **trusted_networks**, starting NetInfo by hand, figuring out where client processes are connected, understanding console messages, backing up the NetInfo database, and recovering from disasters.

NEXTSTEP Networking References

Issue: *NEXTSTEP In Focus*, Summer 1993

NeXTanswers: 1273

Author: Alan M. Marcum

Keywords: NetInfo, references, networking, books, documentation

A list of useful sources of NetInfo and networking information referenced throughout the Summer 1993 issue.

NetInfo Programming

Issue: *NEXTSTEP In Focus*, Winter 1994

NeXTanswers: 1595

Author: Marc Majka

Keywords: NetInfo, NetInfo Kit, programming, library, administration, connecting, hierarchy, interface, data types

The NetInfo programming library and NetInfo Kit provide tools for building your own administrative applications and utilities. These tools include a number of data structures and objects, plus library routines for accessing and manipulating NetInfo data. This article introduces this set of resources.

Relating NetInfo to Classic UNIX

Issue: *support bulletin*, Winter 1991

NeXTanswers: 1060

Author: Alan M. Marcum

Keywords: NetInfo, UNIX, User Manager, Net Manager, NetInfo Manager, **niutil**, **niload**, **nidump**, NIS, DNS

NetInfo, NEXTSTEP's network administration system, supersedes many of the UNIX flat-file

databases. NetInfo offers convenient mechanisms for loading and extracting data that it stores in traditional UNIX flat-file database format. This article explains the relationships between NetInfo and the UNIX databases. Specifically, it shows how NetInfo supersedes certain UNIX flat-file databases and interacts with them using **niload** and **nidump**, describes the various properties used by NetInfo, and lists UNIX administrative files referenced even when NetInfo is running.

When One Server Isn't Enough

Issue: *support bulletin*, Winter 1993

NeXTanswers: 1021

Author: Dave Cottle

Keywords: mail, mail server, NetInfo, **sendmail**, Host Manager, NetInfo Manager, NFS Manager, alias, gateway

If your NetInfo network is very large with many users and a huge volume of mail, you may find that using your root NetInfo server as the mail server doesn't fit the bill. With careful planning, you can restructure your network to include additional mail servers.

Crash of the Master NetInfo Server

Issue: *support bulletin*, Winter 1993

NeXTanswers: 1026

Author: Dave Cottle

Keywords: NetInfo, master, clone, NFS, troubleshooting, crash, recovery, restore

This article explains how to recover when a network's master NetInfo server crashes.

Simple Way to Start a Network

Issue: *support bulletin*, Fall 1992

NeXTanswers: 1076

Author: Suzanne Ferry Chesson

Keywords: SimpleNetworkStarter, set up, NetInfo

The SimpleNetworkStarter application allows you to set up a new NEXTSTEP network, even if you're a novice system administrator. This article explains how to use it.

Making Friends with niutil

Issue: *support bulletin*, Fall 1992

NeXTanswers: 1071

Author: Dave Cottle

Keywords: **niutil**, NetInfo, UNIX, property, host, NetInfo Manager

niutil is a helpful utility for creating, examining, and destroying NetInfo directories and properties. It is simple but extremely powerful. This article explains when to use it and when to use NetInfo Manager, and how to use **niutil** safely.

Mysteries of Binding and Propagating

Issue: *support bulletin*, Summer 1992

NeXTanswers: 1014

Author: Dave Cottle

Keywords: NetInfo, UNIX, **netinfod**, master, clone, **serves** property, binding, propagating, **lookupd**, child, parent, host

To know how a NetInfo domain gets linked into a domain hierarchy or how clone servers really work, you must understand the inner workings of NetInfo. This article describes the basics and explains binding, rebinding, and propagating.

Ways Not to Configure Your Network

Issue: *support bulletin*, Summer 1991

NeXTanswers: 1039

Keywords: **broadcasthost**, NetInfo domain, broadcast address, netmask, localhost, troubleshooting, loopback, NetInfoManager, **niutil**, **nidump**, **ifconfig**

Three network configuration errors that NetInfo administrators seem to make frequently are changing the address of **broadcasthost**, misconfiguring the broadcast address or netmask, and changing the address of localhost. This article explains how to avoid these problems. Examples: Don't change the **broadcasthost** address from 255.255.255.255, nor localhost address from 127.0.0.1.

NFS

NFS Performance Tuning

Issue: *NEXTSTEP In Focus*, Fall 1993

NeXTanswers: 1492

Author: Wayne Schroeder

Keywords: NFS, tuning, performance, mount, file system, Ethernet, adapter, read, write, **rsize**, **wsizes**, **timeo**, **retrans**, cache, buffer, server, **autonfsmount**, mount, parameter, **mnttimeo**, **retry**, **fg**, **bg**, client, **retrans**, **soft**, **hard**, **rw**, **ro**, **acregmin**, **acregmax**, **acdirmin**, **acdirmax**, **noac**, test, 3Com EtherLink III, SMC EtherCard PLUS Elite 16, Intel EtherExpress, ALR Evolution IV DX-2/166 EISA, Conner, DPT, NeXTstation

Tuning NFS to work efficiently can both increase the speed at which you access NFS-mounted files and decrease the load on your network. This article explains the NFS tuning parameters you can set and shows you how to optimize the performance of Ethernet adapters on Intel-based PCs.

Techniques for Using the Network File System

Issue: *support bulletin*, Summer 1991

NeXTanswers: 1035

Author: Wayne Schroeder

Keywords: NFS, NetInfo, **fstab**, **umount**, **exportfs**, **niload**, **nidump**, **disk**, NIS, NetBoot, troubleshooting

Understanding NFS is essential to administering NEXTSTEP networks. This article describes features and examples of mounts when the system starts up, by the **autonfsmount** command, and by hand using the **mount** command. It also details how to troubleshoot server hangs, missing login windows, mounts in **/Net**, NIS (Yellow Pages), direct maps, autonfsmounts not appearing in File Viewer, autonfsmounting **/private/Net**, and ^aaccess denied^o errors. (This article is updated in ^aUsing NFS Manager,^o [*support bulletin* Fall 1992], NeXTanswers #1978.)

Using NFS Manager

Issue: *support bulletin*, Fall 1992

NeXTanswers: 1078

Author: Wayne Schroeder

Keywords: NFS, NFS Manager, NetInfo, export, import

NFS Manager offers a graphic interface to setting up and maintaining shared NFS directories. This article describes how to use NFS Manager to export and import (mount) remote directories, and shows which workarounds from previous releases aren't needed from Release 3.0 on.

Security

Staying Secure

Issue: *NEXTSTEP In Focus*, Spring 1993

NeXTanswers: 1128

Author: Marc Majka

Keywords: security, **root**, password, access control, NFS, **me**, **comp.security**, CERT, setuid, file system, NetInfo, UNIX, accounting, DOS, virus, worm, Trojan horse, bomb, back door

Computer security involves establishing safeguards and procedures to prevent system and data misuse and damage. This article examines risks that you can avoid and positive steps that you can take to make your system more secure.

Security and the Computer Emergency Response Team

Issue: *support bulletin*, Fall 1992

NeXTanswers: 1075

Keywords: CERT, security, advisory, Internet, vulnerability

The Computer Emergency Response Team (CERT) is a clearinghouse for non-classified security-related information. This article explains how it works and how to use it to share and get information on known security vulnerabilities.

Securing Your NeXT Computer on a WAN

Issue: *support bulletin*, Spring 1992

NeXTanswers: 1086

Author: Lee Tucker

Keywords: UUCP, WAN, LAN, TCP/IP, security, firewall, NetInfo

The security of a local area network (LAN) or single NeXT computer becomes more complicated when either is attached to a wide area network (WAN). This article shows the basic steps for securing a computer that grants external access.

From the Security Soapbox

Issue: *support bulletin*, Summer 1992

NeXTanswers: 1008

Keywords: security, password, users

Passwords are essential for security. Here's what makes a good or bad password.

SoftPC

Using SoftPC for Intel

Issue: *NEXTSTEP In Focus*, Winter 1994

NeXTanswers: 1597

Author: Joe Hollowood

Keywords: SoftPC, compatibility, preferences, hard disk drive, container file, UNIX, DOS, FSA drive, floppy disk drive, communication port, printer port, autoflush, PostScript, boot, memory, extended memory, expanded memory, display, full-screen mode, window mode, toggle, graphics, SuperVGA, VGA, print, CD-ROM, network, copy, paste, troubleshooting, permission, performance, cursor, bug, Microsoft Windows, Novell NetWare

To get the most out of Insignia Solutions' SoftPC for NEXTSTEP on Intel-based computers, you should set its preferences appropriately and ensure that your system is configured properly. In addition, you can use a number of tricks and troubleshooting tips to optimize its performance.

New SoftPC

Issue: *NEXTSTEP In Focus*, Fall 1993

NeXTanswers: 1490

Author: Bob Lawton

Keywords: Release 3.2, SoftPC, emulation, Microsoft Windows, DOS, compatibility, performance, DPML

NeXT has worked closely with Insignia Solutions to bring a high-quality, high-performance emulation application to NEXTSTEP for Intel Processors. You may have read about it in the pressNow check it out for yourself in NEXTSTEP Release 3.2. By running all your Windows applications inside a NEXTSTEP window, you can have the best of both worlds, in one seamlessly integrated environment.

Printers

New Options in Printing

Issue: *support bulletin*, Fall 1992

NeXTanswers: 1073

Author: Dave Cottle

Keywords: printer, NeXT Color Printer, bubble-jet, PrintManager, dot-matrix printer, Epson LQ510, IBM ProPrinter 24P, PostScript Printer Definition (PPD), LocalTalk, AppleTalk, Novell NetWare, NetInfo

NEXTSTEP Release 3 supports the NeXT Color Printer, two popular dot-matrix printers, and printers accessed through AppleTalk and Novell NetWare. This article explains how to connect to these printers.

Printing with PostScript Devices

Issue: *support bulletin*, Winter 1991

NeXTanswers: 1059

Author: Andrew Simms

Keywords: printer, PostScript, NeXT computer, **printcap**, EtherTalk, LocalTalk, AppleTalk, NetInfo, TCP/IP, spool, NIS, BIND, **zs**, **tty**, **lpd**, **lpr**, **lpc**, **lpq**, **ping**, **telnet**, **niload**, **nidump**, Net Manager, NetInfo Manager, GatorKeeper

This article shows how to attach a PostScript output device to your network and configure NeXT computers to use it. Specifically, it shows how to make a network connection using a printer attached to a remote UNIX host, or with a GatorBox. It provides lots of info on baud rates, flow control, and cabling. It also lists which cables to use. (It doesn't cover how to install NeXT printers.)

NEXTSTEP Releases

What's New in Release 3.2?

Issue: *NEXTSTEP In Focus*, Fall 1993

NeXTanswers: 1489

Author: NeXT Product Marketing

Keywords: Release 3.2 user, upgrading, bug fixes, Intel-based, SoftPC, Header Viewer, Project Builder, File Merge, GDB, **.bundle**

Release 3.2 offers a variety of enhancements for users and developers. This article gives a brief overview of what's new.

How We Tested NEXTSTEP for Intel Processors

Issue: *NEXTSTEP In Focus*, Spring 1993

NeXTanswers: 1126

Author: Jim Walsh

Keywords: testing, Intel-based, Release 3.1

Testing NEXTSTEP for Intel Processors presented a unique situation for NeXT. Although the software was in its third generation on NeXT's proprietary hardware, NEXTSTEP Release 3.1 was the initial release on Intel's line of microprocessors. The goal was to have the same level of product maturity on Intel-based platforms as on hardware NeXT designed and controlled. We were aided by the nature and design of NEXTSTEP itself.

Taking the Wraps Off Release 3

Issue: *support bulletin*, Summer 1992

NeXTanswers: 1010

Author: Dave Cottle

Keywords: back up, format, floppy disk, fax, SimpleNetworkStarter, Host Manager, color, localization, on-line help, printing, Release 3.0

Release 3 offers a number of new features, including merging files onto an existing backup, formatting disks for DOS and Macintosh formats, creating address books for faxing, improved development tools, and more. It also offers a number of administrative improvements, like a tool for setting up simple networks (SimpleNetworkStarter), a new Host Manager application, and improvements to managing NFS mounts.

Making the Transition

Issue: *support bulletin*, Fall 1992

NeXTanswers: 1072

Author: Matt Watson

Keywords: workspace, File Viewer, icon, target indexes, Digital Librarian, defaults, Release 3.0

Release 3 looks and feels different from previous releases. This article explains how to make

the transition from Release 2 easily. Topics include changes in the workspace, updating defaults, and troubleshooting.

NEXTSTEP on PCs

Adding On without Flipping Out

Issue: *NEXTSTEP In Focus*, Spring 1994

Author: Mark Tacchi

Keywords: SCSI, PC, SCSI ID, DOS, bus, setup, format, initialize, partition, **fdisk**, UNIX, **scsimodes**, **disktab**, mount

NEXTSTEP provides features to make it as easy as possible to install a new disk on a computer. This article describes how to format, initialize, and partition SCSI and IDE disk drives, as well as how to mount them at boot time.

Using SCSI in a PC World

Issue: *NEXTSTEP In Focus*, Fall 1993

NeXTanswers: 1491

Author: Aaron Morse

Keywords: SCSI, PC, SCSI ID, bus, setup, termination, jumper, **DEBUG.EXE**, adapter, booting, RAID

The SCSI standard helps you to attach a variety of devices to workstations and personal computers. To set up SCSI devices on your computer, you must complete two important steps: Set device ID numbers and terminate the SCSI chain.

Surviving DOS

Issue: *NEXTSTEP In Focus*, Spring 1993

NeXTanswers: 1130

Author: Dan Peknik

Keywords: PC, DOS, UNIX, booting, commands, boot sector, ISA, EISA

A crash course in DOS basics, including specifying file names and translating UNIX commands to DOS, plus a glossary of basic DOS and PC terms and concepts.

PC Configuration for NEXTSTEP

Issue: *NEXTSTEP In Focus*, Spring 1993

NeXTanswers: 1127

Author: Terry Williams

Keywords: PC, configuration, IRQ line, I/O, DMA address, troubleshooting, interrupt, RAM base address, ISA, EISA, ECU

An introduction to IRQs, I/O ports, DMA addresses, and acronyms galore. Plus, a checklist and troubleshooting guide.

NeXT Hardware

Adding to and Troubleshooting NeXT Memory

Issue: *support bulletin*, Fall 1992

NeXTanswers: 1081

Authors: Terry Williams and Sandra Sailer

Keywords: NeXTstation, NeXTcube, NeXTdimension, install, memory, SIMM, troubleshoot

Installing memory in a NeXT computer is an easy, inexpensive way to improve system performance. This article explains what's involved.

Integrating the New Display and Keyboard

Issue: *support bulletin*, Fall 1992

NeXTanswers: 1070

Author: Ken Jochims

Keywords: MegaPixel, color, display, Sony Trinitron, NeXT Sound Box 2, ADB, Starting Point Kit, keyboard, mouse, troubleshooting

In September 1992, NeXT introduced a new MegaPixel 17-inch Color Display and a redesigned Apple Desktop Bus (ADB) keyboard and mouse. This article highlights some of their features and explains how to integrate them with previous systems.

Caring for Your Mouse

Issue: *support bulletin*, Fall 1992

NeXTanswers: 1080

Keywords: mouse, clean, troubleshooting

This article explains how to clean the old and new models of NeXT mouse.

Announcing NeXTstation Turbo and NeXTcube Turbo

Issue: *support bulletin*, Spring 1992

NeXTanswers: 1092

Author: Ken Jochims

Keywords: NeXTstation Turbo, NeXTcube Turbo, 68040, TMC

The NeXTstation Turbo and NeXTcube Turbo use the 33MHz Motorola 68040 processor. This article highlights some of their features.

NeXTdimension Demos

Issue: *support bulletin*, Summer 1991

NeXTanswers: 1065

Keywords: NeXTdimension, demo, video, graphics, compression

If you have a NeXTdimension computer, you can use the NeXTdimension demos that come with your computer to capture and manipulate color graphics and video.

Adjusting Your Color Display

Issue: *support bulletin*, Winter 1991

NeXTanswers: 1056

Keywords: monitor, color, troubleshooting

This article describes how to adjust the display of a NeXT color monitor.

Tips & Techniques

Tips & Techniques

Issue: *NEXTSTEP In Focus*, Spring 1994

Keywords: hard disk, space, **sendmail**, security, patch, corrections

Correcting the **sendmail** Patch. Booting from a Second IDE Drive. Digital Librarian™ and Digital Webster™ Tricks. Skipping the Workspace Manager™.

Tips & Techniques

Issue: *NEXTSTEP In Focus*, Winter 1994

NeXTanswers: 1596

Keywords: hard disk, space, **sendmail**, security, patch, corrections

Measuring Local Disk Space. **sendmail** Security Patch. Mending the Error of Our Ways.

Tips & Techniques

Issue: *NEXTSTEP In Focus*, Fall 1993

NeXTanswers: 1495

Keywords: printer, TCP/IP, NetInfo, NeXTanswers, **ftp**, anonymous **ftp**, transfer, help

Fun with bootingÐBooter syntax, Booting from an external SCSI drive. New NeXTanswers e-mail commandsÐUsing the right return address. Filling your NEXTSTEP libraryÐOther lists of books.

Tips & Techniques

Issue: *NEXTSTEP In Focus*, Summer 1993

NeXTanswers: 1279

Keywords: printer, TCP/IP, NetInfo, NeXTanswers, **ftp**, anonymous **ftp**, transfer, help

Adding a TCP/IP Printer to a NEXTSTEP Computer NetworkÐBefore you start, Is it a printer or a host, Four steps to a hookup, Making sure it works, For more info. Getting NeXTanswers by **ftp**ÐStarting a session, Getting help, Working with the NeXTanswers directories, Transferring files, Aborting a file transfer, Ending the session, Staying up to date, If you have trouble.

Tips & Techniques

Issue: *NEXTSTEP In Focus*, Spring 1993

NeXTanswers: 1131

Keywords: NeXTanswers, fax, e-mail, bug report, BugNeXT, **fdisk**, DOS, **gonext**, NEXTSTEP, PC, mouse, monitor

Getting Help from NeXTanswersÐUsing NeXTanswers by fax, Using NeXTanswers by e-mail, Check it out, Where's the old NeXTanswers? Bug Battling Made EasierÐSetting up, Sending in bugs, What we do with your bug report, Thanks! Divvying It Up: How to Use **fdisk**ÐWhy a new **fdisk**, Installing and **fdisk**, Using **fdisk**, Where else to look. Flip/ Flopping Operating SystemsÐDOS to NEXTSTEP, NEXTSTEP to DOS. Picking a PC Mouse. Calibrating Your

MonitorÐThree easy steps, What's going on when you do this.

Tips and Techniques

Issue: *support bulletin*, Winter 1993

NeXTanswers: 1018

Keywords: Release 3, fonts, WordPerfect, NFS Manager, bug, loop

Release 3 tips and trapsÐworking with over 250 fonts, WordPerfect for Release 3, NFS Manager allows unknown users, Release 3 dupes and loops.

Tips and Techniques

Issue: *support bulletin*, Spring 1992

NeXTanswers: 1088

Keywords: UNIX, terminology, conventions, NeXTdimension, NeXTcube, NeXTstation, screen, gray

How to speak UNIX. Troubleshooting gray screensÐsymptom, cause, solution.

Tips and Techniques

Issue: *support bulletin*, Winter 1991

NeXTanswers: 1062

Keywords: core file, NeXTmail, fonts

Core limit defaults. Using e-mailÐfrozen configuration files; compacting or undeleting empty mailboxes; repeating read receipts; Courier, Ohlfs, and non-NeXTmail.

Frequently Asked Questions (FAQ)

FAQ

Issue: *NEXTSTEP In Focus*, Spring 1994

Replacing the NEXTSTEP Boot Sector. S3-928 Support. Dot-Matrix Printer Support. HP/PA Supported Systems. Light Pen Support.

FAQ

Issue: *NEXTSTEP In Focus*, Winter 1994
NeXTanswers: 1594

Broken mouse after install. Removing NEXTSTEP boot sector. Installing DOS 6 with NEXTSTEP. Can't connect to network. CD-ROM drives and CD Player. Installing the Developer CD-ROM. PCI bus compatibility. Cleanly rebooting. Faxing in NEXTSTEP. Macintosh networking and NEXTSTEP.

FAQ

Issue: *NEXTSTEP In Focus*, Fall 1993
NeXTanswers: 1493

How much disk space does NEXTSTEP need? Can NEXTSTEP run on a network? Can a portable PC run NEXTSTEP? If a floppy disk interface isn't supported, how can I save files? What CD-ROM drives can I use with NEXTSTEP on a PC? Will my SCSI hard drive work with NEXTSTEP for Intel Processors? Will any SCSI tape drive work. Can any VL-Bus, EISA, or ISA display adapter work with NEXTSTEP? Is there a "software compatibility guide"? Do I have to start up Windows separately from NEXTSTEP?

Miscellaneous

Focal Point

Issue: *NEXTSTEP In Focus*, Spring 1994
Keywords: editorial, disk space
Spreading Out (disk space).

FYI

Issue: *NEXTSTEP In Focus*, Spring 1994
Keywords: back issues
Ordering back issues of *NEXTSTEP In Focus*.

Getting the Best Support

Issue: *NEXTSTEP In Focus*, Winter 1994
NeXTanswers: 1606

Author: Allen Denison

Keywords: Support, help, questions, information, NeXTanswers

NeXT's Support group can help you solve your NEXTSTEP problems. To make the most of your call to Support, you should have the relevant information right at hand. It also helps to understand how the group works and what its members do to answer your questions.

Focal Point

Issue: *NEXTSTEP In Focus*, Winter 1994

NeXTanswers: 1605

Keywords: editorial, tools

Using the Right Tools.

FYI

Issue: *NEXTSTEP In Focus*, Winter 1994

NeXTanswers: 1598

Keywords: training, disk, NeXT, phone numbers

Upcoming NeXT TrainingÐSystem administration courses, Developer courses. Where Did the Disk Go? How to talk to NeXT.

Focal Point

Issue: *NEXTSTEP In Focus*, Fall 1993

NeXTanswers: 1497

Keywords: editorial, Release 3.2

Neat-o new stuffÐNEXTSTEP Release 3.2 brings an abundance of features and fixes.

FYI

Issue: *NEXTSTEP In Focus*, Fall 1993

NeXTanswers: 1494

Keywords: NXApp, developer journal, corrections, NeXT, phone numbers

New developer journal: NXAppÐWhat's in it, how to get it. Correction: Editing driver bundles. How to talk to NeXT.

Focal Point

Issue: *NEXTSTEP In Focus*, Summer 1993

NeXTanswers: 1282

Keywords: editorial, NetInfo

Network Know-HowÐWho needs a whole issue on NetInfo.

FYI

Issue: *NEXTSTEP In Focus*, Spring 1993

NeXTanswers: 1125

Keywords: NEXTSTEP Developer Release 3.1, training, mentorship, NeXTanswers, support, hotline, premium, NeXT

NEXTSTEP Developer Release 3.1ÐDeveloper Release 3.1 enhancements, Changes to documentation. Expanded NEXTSTEP CurriculumÐMentorship Program, Open enrollment and on-site classes, For more information. New Ways to Get SupportÐFree support through NeXTanswers, Per-per-call support, Developer and Systems Support Hotline, Software Maintenance Support, Premium Support, We're here to help. How to Talk to NeXT.

Focal Point

Issue: *NEXTSTEP In Focus*, Spring 1993

NeXTanswers: 1133

Keywords: *support bulletin*, editorial, change

The More Things ChangeÐWhat happened to the *support bulletin* you knew and loved.

Power On?

Issue: *support bulletin*, Spring 1992

NeXTanswers: 1085

Author: Wayde Schroeder

Keywords: boot, ROM monitor, kernel, startup, **fsck**, troubleshooting

This article explains the startup (boot) flags and operating system (kernel) variables you can use when you start your computer, whether for common startup solutions and options or disaster recovery.

Transferring Data with Floppy Disks

Issue: *support bulletin*, Winter 1991

NeXTanswers: 1063

Keywords: floppy disk, UNIX, transfer

This article points out some conflicts in file system types and explains how to work around them to transfer data from NeXT computers and other UNIX systems via floppy disks. It includes picky details about HD/ED disks, UNIX file systems, formatting vs. initializing, data formats, and raw device drivers.

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Previous Article NeXTanswer #1851 **Detecting Rogue Servers**
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