

NEXTSTEP DEVELOPER RELEASE 3.3 UPGRADE

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Numerous feature enhancements, combined with a preview of the industry standard OPENSTEP object-oriented application framework, make NEXTSTEP Developer Release 3.3 the best environment available for rapid development of robust, maintainable client/server applications.

Many organizations have discovered that building custom business applications is one of their key competitive advantages. With NEXTSTEP Developer's industry leading tools and object frameworks, these applications can be developed in significantly less time with higher quality - resulting in rapid deployment and a stronger competitive lead.

NEXTSTEP Developer Release 3.3 includes new features that further improve programmer productivity and application robustness. New visual programming capabilities help developers ensure application correctness, while a new compiler provides improved error and warning generation, and upgraded support for ANSI C and C++. Support for new PC hardware and RISC CPU architectures lets programmers develop device drivers for a broader range of hardware platforms. Foundation Kit provides an implementation of many of the new OPENSTEP features, deployable under NEXTSTEP Release 3.3 today.

HIGHLIGHTS

Improved Visual Programming

The key to rapid application development is reducing the amount of code you write. NEXTSTEP Developer's fully object-oriented tools and strong support for visual programming allow developers to build complex applications with far fewer lines of code, five to ten times faster. NEXTSTEP Developer Release 3.3 improves support for visual programming by providing both visual verification of Interface Builder connections and the ability to build complex new components in Interface Builder, without writing code.

Open Application Architecture

Developers use NEXTSTEP's open architecture to seamlessly integrate their custom applications with the NEXTSTEP user environment. This presents a simple, consistent look and feel to corporate users, reducing training and support costs, and increasing user productivity for custom applications. Release 3.3 continues to open the NEXTSTEP architecture, adding public APIs to Unix shells and the login window.

OPENSTEP Preview

OPENSTEP is the industry standard specification for a distributed, object-oriented application framework.

Based on NeXT's advanced object technology, OPENSTEP provides source code portability by ensuring that applications written to the OPENSTEP API will compile and run on all OPENSTEP compliant platforms. This broadly supported open standard guarantees the return on your investment in custom software development, regardless of changes in your hardware or operating system deployment infrastructure.

Foundation Kit, included in NEXTSTEP Developer Release 3.3, provides a preview of OPENSTEP and an implementation of some of its important features. Applications based on Foundation Kit can be deployed on NEXTSTEP Release 3.3 today.

Extended Hardware Support

NeXT's Multi-Architecture Binaries simplify application deployment by allowing developers to build one application binary that runs on multiple CPU architectures. Release 3.3 extends this support to a total of four platforms: Intel, Processors, HP PA-RISC and Sun SPARC workstations, and NeXT computers.

NeXT's Driver Kit supports full object-oriented development of device drivers. Release 3.3 provides support for emergent PC standards, including PCI, PCMCIA, and Advanced Power Management.

NEW FEATURES AND BENEFITS

Foundation Kit: Preview the industry standard OPENSTEP software development kit.

Foundation kit provides an implementation of many of the new OPENSTEP classes, including efficient, automated memory management, message broadcasting, complex data structures, Unicode support, and more. Applications based on NEXTSTEP Developer Release 3.3's foundation kit are deployable on any NEXSTEP Release 3.3 platform.

Upgraded Compiler: Gnu Compiler version 2.5.8

Over a dozen new features and an upgraded Gnu compiler provide improved compiler error and warning generation, object code tuning, and C++ code integration. New C++ features include support for templates, multiple inheritance, virtual functions, and more.

Extended Multi-Architecture Binaries: MAB Support for Motorola 68K, Intel, HP PA-RISC and Sun SPARC platforms.

Supports development of "4-way Fat" applications. Compile your application under NEXTSTEP Developer Release 3.3 and deploy the single application binary on any NEXTSTEP Release 3.3 platform, regardless of CPU architecture.

New Interface Builder :New Connection Inspector, New Palette Support, New Class Inspector

Enhanced viewing of NeXT Interface Builder nib file connections helps you quickly verify your interface and object connections, and ensure applications are correct. Helps you build palettes without writing code. Extend and customize Interface Builder instantly by creating new palettes from existing objects. Allows viewing of all classes in an application.

New Header Viewer: Class Cluster Browsing

Enhanced browsing capabilities support navigation of new Foundation Class Clusters.

Extended Driver Kit: Supports PCI, PCMCIA, and Advanced Power Management

Fully object-oriented class libraries allow you to develop drivers for new PC technologies in NeXT's seamless development environment. Supports PCI, PCMCIA and Advanced Power Management.

Open Application APIs: Login Window Bundles, Open DO API to Terminal, IP Multicast support

Lets you customize logins so users login simultaneously to NEXTSTEP, Kerberos Servers, Novell networks, or other systems with one standard login panel. Simplifies custom application integration with Unix shells by providing a public DO interface to the Terminal application. Full IP Multicast support for broadcast messaging provides the framework for multimedia networking, as well as broadcast capabilities for live information feeds.

SYSTEM REQUIREMENTS

NEXTSTEP Developer Release 3.3 requires NEXTSTEP Release 3.3 for Intel Processors, SPARC or PARISC workstations, or NeXT Computers.

NEXTSTEP Developer requires a 330 MB hard disk or larger; 16 MB of RAM or more is recommended.

NEXTSTEP Developer comes on a single CD-ROM.

FOR MORE INFORMATION, CALL 1-800-TRY-NEXT

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