

BYTE

THE WORLDWIDE COMPUTING AUTHORITY

SPECIAL REPORT

ADVANCED OPERATING SYSTEMS

A look inside the next generation from IBM, Apple, Microsoft, Novell/USL, Sun, Next, and Telligent



PLUS

- New Microprocessors Challenge Intel
- 4 Cross-Platform Toolkits Reviewed

PAGE 74

PAGE 172

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76 GRAPHICS ACCELERATORS TESTED

FEBRUARY 1994

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COMPRESSION



Is it safe?

**Data compression can double
your hard disk space —
but not without risks.** PAGE 56

STATE OF THE ART

COMPILERS FOR TOMORROW

PLUS

- The Top Commercial Software PAGE 104
- Genetic Programming with C++ PAGE 171

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PowerPC Benchmarks PAGE 23

Windows 4.0 Compromises
Revealed PAGE 22

Dual-Processor Systems
Reviewed PAGE 129

The Data Highway



UNDER
CONSTRUCTION

Technology, corporate investment,
and government policy will
shape the data highway.

Here's the way it should be built.

STATE OF THE ART

ADVANCES IN MASS STORAGE

PLUS

Office Suites from Borland, Lotus, and Microsoft PAGE 120

Inside the v Document Standard

PAGE 183



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THE MAGAZINE OF TECHNOLOGY INTEGRATION

First PowerPCs

Apple's Power Macintosh and IBM's Power Personal Systems

EXCLUSIVE

IBM's PowerPC product plans, plus Power Mac vs. Pentium benchmark results

SPECIAL REPORT

CPU Wars: Should you move from CISC to RISC?

PLUS

Intel pushes the 80x86 envelope

Pournelle's Product Awards

Object-Oriented Databases Come of Age

A Nifty Multiprotocol Print Server for Ethernet LANs



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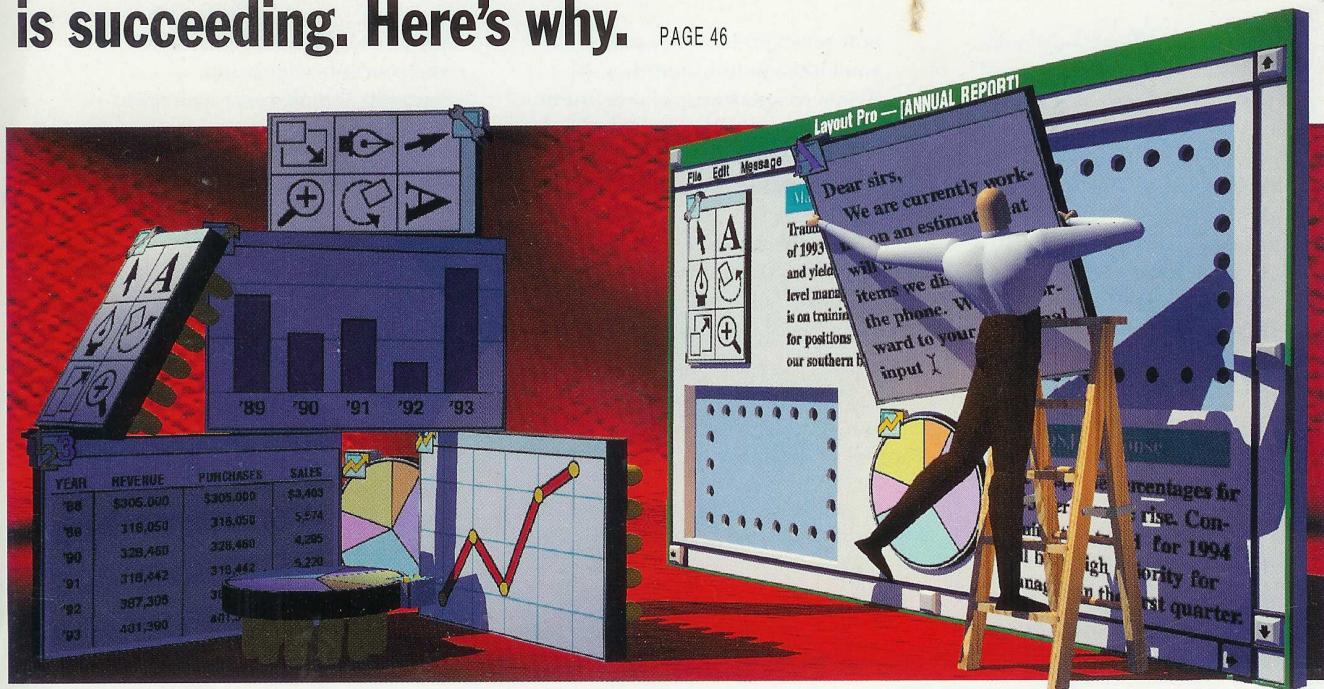
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THE MAGAZINE OF TECHNOLOGY INTEGRATION

ComponentWare

Object-oriented computing has failed. But component software, such as Visual Basic's custom controls, is succeeding. Here's why.

PAGE 46



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- **Wireless Communications Gets Real**
- **Lotus Mail vs. Microsoft Mail**



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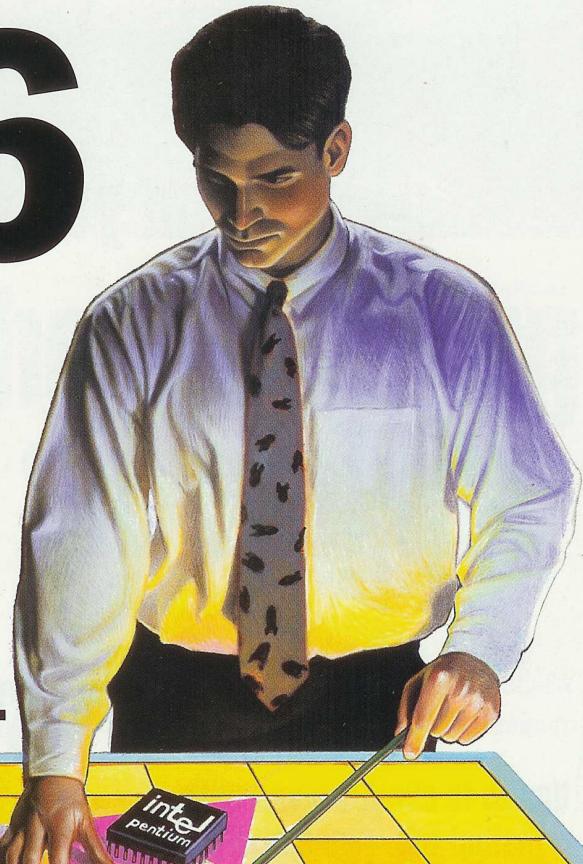
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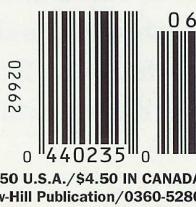
80x86 WARS

Coming: radical new designs from Intel and others will push the 80x86 architecture to new heights.



PLUS

- New OS/2 will exploit symmetric multiprocessing hardware PAGE 267
- Porting Mac applications to the PowerPC PAGE 273
- Special Report: Distributed Computing PAGE 121



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PC Telephony

Phones marry
computers:
new killer
applications
arrive.



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- How Lockheed Handles Engineering Documents
- A Taligent Update
- What's Ahead for Work-Flow Tools

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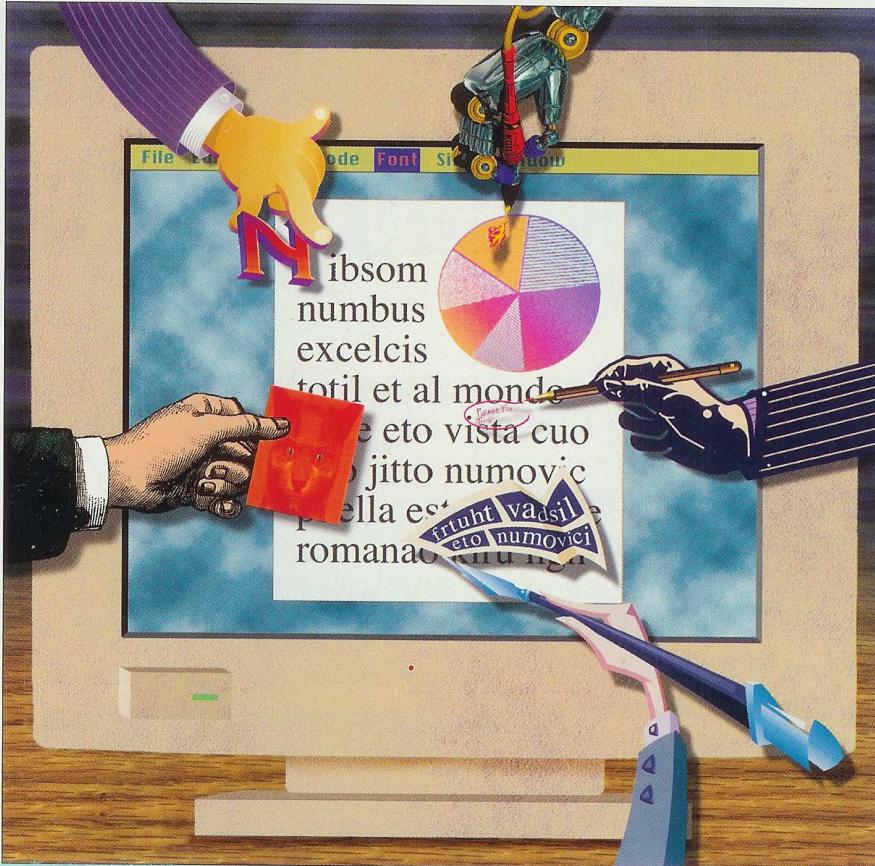
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The New Document

It's radically changing the way we work, and how we use and manage information.

PAGE 90



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PAGE 108

• PA-RISC 7200: RISC With A Twist

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24 FAST CD-ROM DRIVES TESTED

SEPTEMBER 1994

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Remote-Control Programs for
Windows Reviewed PAGE 137

Supercomputer on a Chip PAGE 47

Get Ready, Here Comes
Object-Oriented COBOL

Hassle-Free PCs

New Plug and Play
standards
promise to
make system
expansion
painless.
Getting there,
however,
will take time.



PLUS

CHICAGO UPDATE

PAGE 193

WHY IBM SHOULD LICENSE WIN32

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Watcom C/C++
Gets a New Face

Unix at 25

Add Shared Fax Capability
to Your Mac Network PAGE 169

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Smart Networks

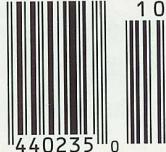
AT&T and IBM are working on a new generation of intelligent networks using agent-based technology.



PLUS

- Porting Unix Programs to Windows NT PAGE 203
- DEC'S NEW ALPHA:
The World's Fastest Microprocessor PAGE 197

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4 HOT NEW CHIPS

STATE OF THE ART

Awesome new microprocessors from AMD, IBM/Motorola, Mips, and Sun



LAB REPORT

92 Printers Tested and Compared

PLUS

The Promise of PCMCIA

10 Internet Guides

Reviewed PAGE 61

Multiview Spreadsheets PAGE 255

The Significance of the Intel/HP Alliance PAGE 287



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Reviewed: 4 Peer
Operating Systems

Great Holiday Gifts PAGE 34

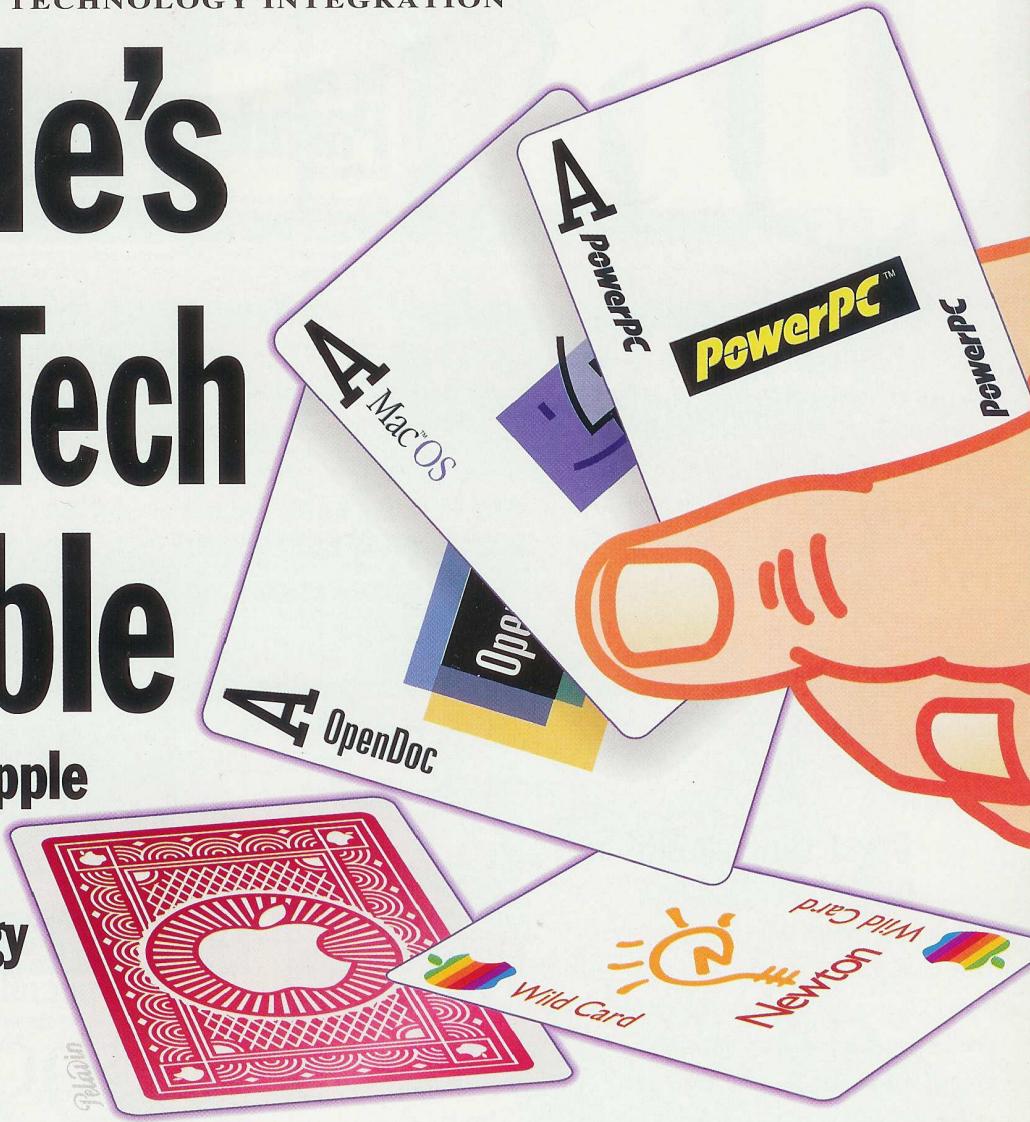
New Color Laser Printers
from HP, QMS, and Xerox

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Apple's High-Tech Gamble

Once again, Apple is betting on new technology to transform its future



PLUS

- How Andersen Consulting Trains Its Staff
- (Mis)using Network Bandwidth

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