

INTEL EX.1220.002

# WORLD

The Voice of Client/Server in the Enterprise

## TECH ANALYSIS

### Chips in the fast lane

SYSmark32 running under Windows NT	
Times in minutes:seconds	
HP Vectra VL 6/266 (Pentium II)	7:05
Polywell K6200MX (K6)	11:37
AST Bravo MS-6200 (Pentium Pro)	9:43
Polywell K6200MX (MMX)	12:16

## IBM gets new BOS

■ Software to unify disparate platforms

By Ed Scannell  
and Ted Smalley Bowen

IBM WILL roll out the centerpiece of its enterprisewide middleware strategy this week with the unveiling of its Business Objects Services (BOS) software at IBM Technical Interchange '97, in St. Louis.

BOS makes use of server-based objects to weld together IBM's CICS transaction-processing engine, MQSeries Transaction Server, and Distributed System Object Model to offer a single integrated programming environment for managing widely diverse network-based objects across diverse IBM platforms.

that BOS is predominantly based on the Object Management Group's CORBA model.

Although IBM also will announce a deepening of its commitment to JavaBeans across the enterprise, it will show little or no commitment to the Remote Method Invocation (RMI) standard pushed by JavaSoft. "What they are doing is taking CORBA and making it into a whole product," said an analyst briefed by IBM. "They will still use JavaBeans as a high-level component format and marry it to this CORBA-based programming model that is going to emerge."

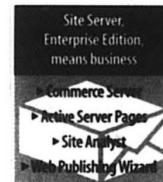
IBM sources confirmed the em-

Site set on the enterprise: *Microsoft Site Server beta bundles tools and adds in Commerce Server. 96*



Search parties: *Metasites make the most of search engines to answer your Web queries accurately. 72*

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## Directories point the way

Microsoft enlists Cisco Push integration on tap

By Matthew Woollacott

MICROSOFT AND CISCO announced last week that they will form a partnership to bring network services to Microsoft's Active Directory and to port that directory's services to other platforms in a bid to control the software infrastructure of the networked enterprise.

The joint venture between the heavyweights will marry Microsoft's unreleased Active Directory with

▷ CISCO page 26

By Jim Balderston

NOVELL AND NETSCAPE have begun finalizing plans to leverage their directory services as a means of managing push technology on enterprise networks.

Novell officials confirmed this week that any push technology the company incorporates from third parties or builds itself "will have to integrate closely" with Novell Directory Services.

▷ PUSH page 26

### SPECIAL NEWS REPORT Vendors

are firing up their next generation of Web application servers in the battle for the corporate intranet

## The next Web war

By Mark Iacono

JUST AS THE universal server war is cooling down, the battle for application servers is getting hot. Vendors are beeping up application servers with the capability to perform complex transactions over the Internet or intranet by effectively marrying databases to the World Wide Web. Rather than forcing users to build it all by hand, these

▷ continued in SERVER page 39

### NT scalability

## Microsoft vies for foothold in clustering

By Bob Trott and Ed Scannell

MICROSOFT'S Scalability Day in New York this month will set the stage for the company's next assault on the enterprise, in which Windows NT and related software will be positioned as the link between workgroups and the enterprise.

The company is expected to raise the curtain on an Enterprise Edition of Windows NT Server 5.0, which includes Microsoft's clustering software, code-named Wolfpack, Transaction Server, and Message Queue.

But it appears that Wolfpack, key to Microsoft's proclaimed scalability, will trail behind clustering solutions developed for NT by Microsoft's server peers. The first release of Wolfpack, expected to ship this summer, will not go beyond a two-node fail-over.

In addition, Digital will demonstrate at the show an NT implementation that scales to 12 processors on its AlphaServer 8000 servers, officials said. The company also will exhibit 64-bit, very-large-

# WORLD

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## PENTIUM II ON TOP

### New chips on the block

By Victor R. Garza  
**IF YOU'RE LOOKING** for faster desktop or server PCs, you may not want to rush out and buy a machine with Intel's Pentium II or Advanced Micro Devices' K6 processors. Intel's MMX enhancements in Intel's Pentium II and AMD's K6 processors do not offer much of a performance gain in general business applications vs. a same-speed Pentium Pro CPU. However, the new processors from Intel and AMD do provide some

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#### Chips in the fast lane

SYSmark32 running under Windows NT	
Times in minutes:seconds	
HP Vectra VL 6/266 (Pentium II)	1:00
Polywell K6200MX (K6)	1:00
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## Site set on the enterprise: Microsoft Site Server beta bundles tools and adds in Commerce Server. 96

- Site Server, Enterprise Edition, means business
- Commerce Server
  - Active Server Pages
  - Site Analyst
  - Web Publishing Wizard



## Search parties: Metasites make the most of search engines to answer your Web queries accurately. 72

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## Directories point the way

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PUSH page 26

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By Mark Leon  
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► Web-based data warehousing creates a data explosion. See page 61.

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# THIS WEEK



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### Mark Tebbe

We must manage our bandwidth limits, or the explosion in corporate Internet use could be the last straw. **104**

*Metcalfe challenges Corel's Cowpland to a match, page 103*



## NEWS

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- 6** Microsoft makes inroads in delivering cross-platform versions of its component models.
- 10** Bay Networks narrows its focus on boosting IP networks and enhancing software.
- 15** Adobe will release the first PageMill version for Windows, PageMill 2.0.
- 17** GTE hopes to climb higher in the telecommunications market by acquiring BBN.
- 19** Lotus enhances cc:Mail and Domino's Internet capabilities and protocol support.
- 21** Oracle unveils a supply-chain software trio.

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● For all the highlights of this week's *InfoWorld Electric*, go to <http://www.infoworld.com>.



## FORUMS

- The mainframe: Is it dead? If so, did IBM kill it?
- X2 technology: What good is a faster modem if you can't get it to work?
- Open letter: Now is your chance to spout off at the CEO of your choice.

## OPINIONS

- Plugged In: Document-centered computing sounds pie-in-the-sky, but the ubiquitous Web browser could make it a reality.
- Inside the Firewall: Public and private organizations grapple with Internet-monitoring issues.
- Loose Cables: In the corporate romper room, raising one's hand is now an art form.
- Advice Line: Does futzing hinder or help productivity?

## FEATURES

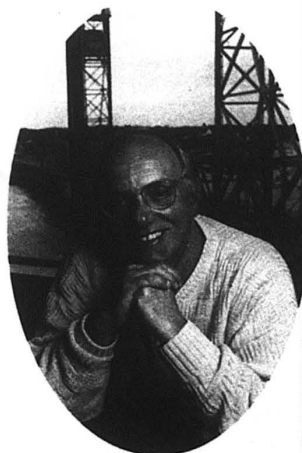
- FAT-32 is here, allowing the management of more than 4 billion clusters.

## PRODUCT REVIEWS

- Hughes NetLock, Version 1.2.2, stands out as a network-security guard.
- Isys:web 2.0 beta is a solid information-retrieval application.

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- Microsoft's Cornelius Willis discusses the relationship between Java and Windows.



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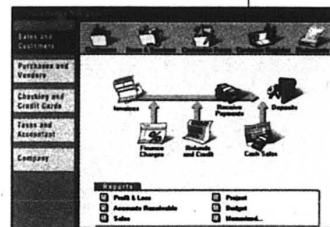
## COMPARISON

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Internet FastFind  
WebCompass 2.0

Metasite solutions  
MetaCrawler  
SavvySearch

ALR's Revolution 2x2 converts from tower to rack-mount, page 39



# Explore Litigation Insights

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