

The background of the slide is a complex, abstract pattern of blue and black. It features a grid-like structure with various geometric shapes, including rectangles and lines, some of which are filled with a lighter blue color. The overall effect is a dense, textured pattern that resembles a stylized architectural or technical drawing.

OS/390 Fact and Fiction

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OS/390 Fact and Fiction

IBM VSE/VM Technical Conference
May 31, 2000

Agenda

- The VSE Marketplace
- IT in Transition
- The Multiprise 3000
- Enterprise Vision
- Operating System Roles
- Questions



The VSE Marketplace

VSE in Transition

▶ Major Housecleaning by IBM

✓ Operating Systems

- VSE/ESA 2.1, 2.2 supported until 1/31/2001
- Preview-Announcement of VSE/ESA 2.5
 - Includes “connectors” for enabling e-business

✓ Hardware

- Multiprise 3000 processors introduced
- Multiprise 2003 Models 1XX and 2XX removed from marketing
- P390, R390 removed from marketing

VSE in Transition

▶ Major Housecleaning by IBM

✓ Program Products

- RACROUTE security implementation introduced Q3 1999
- CICS Transaction Server 1.1 introduced in Q2 1999
- VSE Workload Transition Offering announced
- New pricing for smaller shops moving to Multiprise processor line

VSE in Transition

▶ Major Housecleaning by IBM

✓ Organizational

- VSE/VM Independent Business Unit disbanded, Business partners are the primary channel for small systems



IT In Transition

IT In Transition

- ▶ New Workloads
 - ✓ e-commerce, b2b, b2c, c2c
 - ✓ ERP
 - ✓ Extranets
 - ✓ Wireless computing
- ▶ Client Server Realities
 - ✓ Server Consolidations

New Mission-Critical Workloads

- ▶ Web Servers
 - ✓ E-Commerce is not a toy
 - No second chances!
 - Personal Portals
- ▶ ERP Applications
 - ✓ SAP, PeopleSoft, BAAN
- ▶ Data Warehousing, Mining
- ▶ Collaborative - Lotus Notes, Email
- ▶ Novell Netware on OS/390

Client/Server Realities

- ▶ Ideal Paradigm, but...
- ▶ Not Scalable ...
- ▶and not manageable
- ▶ Availability not mission-critical class
- ▶ Cost of operation too high
- ▶ What we need is a better enterprise server.....

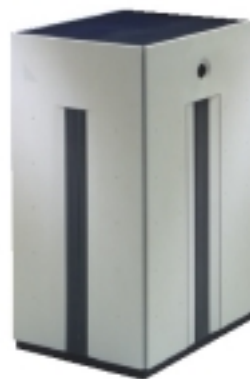
Why OS/390? (Facts)

- ▶ 85% of Global 1000 Mission Critical applications are hosted on OS/390
- ▶ Platform evolution
 - ✓ Capacity, OS, USS, Networking, Performance
- ▶ Well managed, disciplined
- ▶ Because it works
- ▶ OS/390 = Reliability, Availability, Scalability, and Flexibility

The OS/390 Platform

“One Mean Machine”

- ▶ Competitive landscape
 - ✓ Driving capacity through the roof
 - ✓ Prices dropping
- ▶ Unix is a Reality
- ▶ Unparalleled I/O and Networking



OS/390 UNIX System Services

➤ USS Processes

- ✓ Process = Address space (ASCB)
- ✓ Thread = Task (TCB)
- ✓ Kernel works as “interpreter and executor”

➤ OS/390 integration

- ✓ Any program can invoke UNIX services
- ✓ Mix and match UNIX and “legacy” functions
- ✓ ...even just by changing JCL
- ✓ Integration with multiple file systems

Porting UNIX Applications

- ▶ Application Development
 - ✓ JAVA, C++ everywhere
 - ✓ Active third-party Developing/Porting
- ▶ Real-life example: Unicenter TNG Agent Technology in 1997, Framework in 1998, Unicenter TNG in 1999!

OS/390 (Fact or Fiction)

- ▶ OS/390 costs are high
 - ✓ At what level?
- ▶ We don't need that much capacity
 - ✓ Yesterday, today, or tomorrow?
- ▶ OS/390 is too complex
 - ✓ GUIs? JCL? Communications?
- ▶ Features will continue to be ported to VSE from OS/390
 - ✓ When? Which features? At what cost?

OS390 (Fact or Fiction)

- ▶ New products and services are implemented on OS/390 first
- ▶ OS/390 technicians are in greater supply
- ▶ Software companies have abandoned S390 (including OS/390)
- ▶ Multiprise 3000 is another attempt at forcing VSE migrations to OS/390?

Improving the OS/390 User Experience

- ▶ OS/390 WorkStations
- ▶ Single Point of Administration
- ▶ Real Time Monitoring
- ▶ Event Management
- ▶ Correlation and Automation
- ▶ Cross Platform Functionality
- ▶ Ease of Use



Managing OS/390 as part of the Enterprise

- ▶ “End-to-end” includes OS/390
- ▶ Common Infrastructure is the key
- ▶ Common facilities and tools are more efficient
- ▶ Integrate existing, robust solutions
- ▶ Enable true cross-platform functionality
- ▶ Enable management of new OS/390 workloads



The Multiprise 3000

The Multiprise 3000

- ▶ Announced by IBM in September
- ▶ New entry-level for S/390
- ▶ Puts e-commerce on a reliable, robust, and secure platform
- ▶ Simplifies co-existence and migration issues
- ▶ Incredible growth offering for VSE/VM clients
- ▶ Major ISVs are onboard

The Multiprise 3000

- ▶ For current OS390 Clients
 - ✓ Excellent machine for e-commerce
 - ✓ Can use current solutions at reduced pricing
 - ✓ Pre-tested packaged solutions for e-commerce, business intelligence, and enterprise management
 - ✓ New server that speaks legacy language

The Multiprise 3000

► For current VSE/VM Clients (Fact)

✓ Available Today

- Special Migration Offerings for all VSE/VM solutions
- Special pricing for new OS390 solutions
- Special Enterprise Management Package
 - Including GUI Workstations
- Elimination of MIPS based pricing
- Monthly leasing terms
- Migration tools for COBOL and JCL
- Special professional services for VSE to OS390 migrations
- Enhanced partnerships with IBM and Resellers
- No CPU upgrade fees!
- Details are available at the CA Booth



Enterprise Vision

Enterprise Management Vision

- ▶ Focus on business requirements
- ▶ IT must enable business growth
- ▶ The IT Infrastructure is critical
- ▶ Retain investments and lessons learned
- ▶ Bring the reliability of legacy systems to new workloads
- ▶ Managing to save money at the expense of business growth is counterproductive

Making Vision A Reality

- ▶ Enhancing existing OS/390 Solutions while exploiting new technologies
- ▶ Complete Management of OS/390
 - ✓ Complete management of USS and MVS
 - ✓ Solutions for OS/390 workloads
- ▶ Workload transition offerings for VSE Enterprises
- ▶ New service offerings for migrating and maintaining OS/390 environments



Operating System Roles

New Operating System Roles

- ▶ OS/390
 - ✓ Operating System of Choice
 - ✓ New Features from IBM
 - ✓ Enterprise Management Capabilities included in traditional MVS products
 - ✓ Offers Incredible Growth
 - Multiprise Line (50 - 200 MIPS)
 - Traditional CMOS Processor Line
 - ✓ USS
 - Host for New Applications
 - Server Consolidation

Operating System Roles

➤ OS/390

- ✓ New Workloads
 - SAP R3, BAAN, Peoplesoft
- ✓ e-business
- ✓ Distributed Systems Management

➤ VSE/ESA

- ✓ Core Applications
- ✓ Limited Competition
- ✓ SAP R2

New Operating System Roles

▶ VSE/ESA

✓ Business Partner/ISV Driven

- Hardware
- Enterprise Management
 - Extensions
 - TCP/IP
 - Workload Management
 - Monitoring
 - Data Management
 - e-commerce

✓ New Applications

- Targeted to AIX, OS400, NT
- Existing Applications re-engineered for the Web

New Operating System Roles

▶ VM/ESA

✓ VM will continue to be strong!

- 64 Bit Support
- Large Install Base
- VSE to OS/390 Migration Tool
- Proven Testing/Resource Management Tool
- Improves Linux Usability and Scalability
- Web-enablement products are available for heritage VSE-based applications

Operating System Roles

▶ AIX

- ✓ New, powerful RS6000s announced 2/8/2000
- ✓ Excellent choice to complement core applications on VSE/ESA (connectors provided by BPs and ISVs)
- ✓ WebSphere available
- ✓ Provides growth area for new applications

Operating System Choices

- ▶ Windows NT

- ✓ Scalability issues have not been resolved yet

Planning

- ▶ Understand Business/User Requirements
 - ✓ IT must contribute heavily to the bottom line
- ▶ Get Professionals Involved
 - ✓ Business/Technical assessment of your environment
 - ✓ Communicate and manage change
- ▶ Build a Solid, Open, Infrastructure
- ▶ Involve Users and Manage Expectations

Potential Benefits

- ▶ Common Model and Consistency
- ▶ Cross Platform Integration
- ▶ Continuous Enhancement
- ▶ Great Return on Investment
- ▶ Affordable
- ▶ Available **Today!!!**

