

Xephon Briefing

Windows 2000 in the Enterprise

Implementing Windows 2000 successfully
in the large organization

10-11 April 2000 London



A unique 2-day Briefing
presented by Canadian analyst
Stephen Ibaraki



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Radisson SAS Portman Hotel, London
Attendance fee £930+£108.50 VAT

Key questions answered

- What functional and performance benefits will Windows 2000 offer?
- What are the cost of ownership implications of Windows 2000?
- What are the key elements of the migration strategy?
- Which directory services and domain structures represent the best fit?
- What are the main scalability and integration issues?
- Which is the best networking implementation for Windows 2000?
- What are the best methods to use when installing Windows 2000?
- What are the problems to avoid when performing an installation?
- How should client deployment be managed?
- What are the recommended training resources for Windows 2000, and how can they be used most effectively?
- Where is Windows 2000 going in the longer term?

For a complete listing of Xephon events, or to view and print further copies of this brochure, go to www.xephon.com/zevent.html

Researched and presented by

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Stephen Ibaraki has been working with computer technologies since the 1960s. His background includes product research, hardware and software engineering, data communications and systems design, teaching, and high-level consultancy. With an established reputation as an innovator and leader in networked applications and advanced systems, he holds certifications from Microsoft (Microsoft Certified Trainer), CIPS (Information Systems Professional), Novell (Certified Novell Instructor), and the Chauncey Group International, subsidiary of Educational Testing Services (Certified Technical Trainer). The recipient of numerous accolades for his consultancy and teaching assignments, he is also a regular contributor to industry publications in Canada and the USA, and his white papers are used by over 1000 companies worldwide.



Documentation

Not available separately

Xephon Briefings are supported by exceptionally comprehensive documentation, which, in the view of the UK tax authorities, accounts for one third of the Briefing's value – hence the fact that one third of the attendance fee is zero-rated for VAT (Value Added Tax).

Hotel accommodation

Xephon has made arrangements for discounted accommodation for delegates attending its Briefings. Full details of a range of hotels will be sent with delegates' joining instructions.



Implementing Windows 2000 successfully in the large organization

In many ways, Windows 2000 represents a major step forward for NT users. With a vast range of new features, redesigned directory services, and substantially enhanced availability, Windows 2000 promises to reposition the PC server within the large organization. Indeed, a move to Windows 2000 is inevitable for many companies, as forthcoming releases of strategic BackOffice products such as Exchange and SQL Server rely heavily on its advanced functionality.

Nevertheless, the product presents some technical obstacles for large users that need to be overcome; migration will be by no means straightforward, and the sheer complexity of Windows 2000 raises some real technical challenges for those supporting it. Moreover, key features such as full XML support and a number of ease-of-use and integration tools have been delayed to the next release, which means that users need to plan their implementation strategy very carefully.

Windows 2000 is arguably the most significant product release from Microsoft in a decade, and now is the time to get to grips with the planning and training issues involved. This Briefing, specially commissioned by Xephon, is presented by one of the leading technical experts on deployment of Microsoft products within the enterprise. The Briefing provides a detailed analysis of Windows 2000 and its accompanying tools, and helps IT specialists to assess the real implications of this revolutionary operating system.

Objectives

Windows 2000 in the Enterprise provides a timely analysis of Microsoft's strategic operating system release. Delegates will gain a full understanding of what Windows 2000 has to offer, how and when the product should be implemented, and what technical and training resources they need to employ to ensure a successful migration from NT.

Who should attend

This Briefing is intended for NT administrators, strategic planners, IS and technical managers, IT training managers, and networking specialists within the enterprise. Consultants who advise clients on Microsoft product implementation and support should be represented, as should vendors of products for the NT environment.

Programme topics

Windows 2000 family overview

- Windows 2000 versions
 - Professional
 - Server
 - Advanced Server
 - Datacenter
- Windows 2000 architecture
 - overview, processing, memory model
- Significant improvements over NT4
 - delegation of administrative rights
 - Directory Trees
 - OUs
 - Extensible Active Directory schema
 - centralized object storage
 - LDAP-compatible for complex queries through ADSI
 - DNS primary naming service
 - sites
 - group policy
 - single account database in the Active Directory
 - global catalog
 - multiple master replication
 - IntelliMirror caching of user data
 - Windows installer
 - Advanced System Recovery
 - improved automation
 - MMC
 - notebook friendly
 - plug and play
 - 1394 support
 - USB support
 - I20 support
 - improved SMP support
 - very large memory support
 - transitive trusts
 - NTLM trusts and authentication
 - mutual authentication through Kerberos
 - Public Key Infrastructure
 - encrypting file system
 - native Distributed File System
 - IPsec
 - Dynamic DNS
 - DHCP-DNS integration
 - directory-enabled networks
 - quality of service
 - volume management (dynamic volumes)
 - disk defragmentation
 - quotas
 - media management
 - removable storage management
 - repair points
 - integrated indexing service
 - NTFS 5
 - FAT16/FAT32 support
 - improved CDFS support
 - UDF support
 - distributed link tracking
 - sparse file support
 - volume mount points
 - NTFS directory junctions

Windows 2000 directory services (Active Directory Services)

- Overview
- Windows DNA
- LDAP and DNS
- Workgroups
 - domains
 - Trees and Forests
- ADSI programming and the developer
- ADS naming
- Design considerations
- Designing for Delegation of Administration
- Domain planning in enterprise environments
- ADS replication planning
- ADS sites
- ADS recovery and maintenance
- Deploying ADS
- Interoperability with NDS

Windows 2000 networking infrastructure strategies

- Overview
- Windows and networking technologies
 - TCP/IP
 - DHCP
 - DNS
 - WINS
 - Remote Access
 - RADIUS
 - Connection Manager
 - IP routing
 - Multicasting
 - VPN
 - IPSec

Windows 2000 installation and configuration strategies

- Recommended hardware
- Installing Windows 2000
 - from a CD
 - over a network
 - using the setup manager wizard
 - using disk duplication
 - remote installation
 - setup problems
- Configuring Windows 2000
 - OS settings
 - services
- Configuring disks and partitions
 - disk management
 - basic partitions
 - dynamic volumes
 - fault tolerance
- Configuring network protocols
 - TCP/IP
 - NETBUI
 - NWLink
- Configuring Dynamic IP and DHCP
- Configuring DNS
 - root zone
 - clients
 - zone
 - caching-only servers

- Installing Active Directory
- Configuring File Resources
 - offline files
 - quotas
 - EFS
- Installing printers
- Configuring Remote Access: RAS policy
- Installing Web services
- Configuring terminal services
- NetBIOS and WINS

Windows 2000 administration strategies

- Advanced administration of user accounts and groups
 - group policy to configure account policies
 - universal groups
 - mobile users
 - group policy to redirect user data
- NTFS permissions
- Printers
- Data storage
 - quotas
 - defragmentation
- Shares and Dfs
 - guidelines for configuring Dfs in a multi-site environment
- Monitoring
- Terminal services
- Delegating administrative control
- Controlling access to resources
- Administering Active Directory
 - publishing resources
 - locating objects
- Implementing group policy
 - managing user environments
 - manage software
- Implementing security
 - security policies
 - audit policy
 - encryption
- Disaster recovery strategies
 - repairing a network server
 - restoring the Active Directory
 - restoring objects
 - rebuilding servers

Windows 2000 client strategies

- Deploying Windows 2000 Professional
 - managing software
 - managing user settings
 - managing data
- Setting up a remote installation server
 - designing a RIS implementation
 - best practices
- Managing images for remote installations
 - RIPrep image
- Managing software by using group policy
- Windows installer
- Administrative templates
- Strategies for mobile and roaming users
 - personal folders
 - offline files
 - quotas
 - user data

Windows 2000 and MS Office 2000 Integration

- Recommended hardware
- Installation tips
- Planning the migration of files
- Migrating files and templates
- Coexistence issues with the previous versions of Office
- Customizing an installation
- Office 2000 user settings architecture
- Office 2000 distribution
- Multi-lingual support
- Network bandwidth
- Office 2000 and Terminal Server
- Office Server extensions issues
- Windows 2000 change and configuration management issues

NT 4 to W2K migration – practical considerations

- Project management: choosing the migration team
- Choosing the Windows 2000 systems
- Domain controller placement
- DNS design recommendations
- Domain design recommendations
- Site design recommendations
- Global Catalog server placement
- NT4 pre-migration preparation
- Hardware readiness
- The upgrade
 - servers
 - SAM cleanup
 - DNS/WINS/DHCP from NT4 to 2000
 - support
 - network inventory
 - pilot
 - upgrading domain controllers
 - mixed mode
 - native mode
 - upgrade order
 - migration methods (in place, consolidation and then upgrading, straight migration – SIDS and GUIDS)

Windows 2000 training and certification

- Development training resources and certification tips – MCSD
- Database training resources and certification tips – MCDBA
- Network training resources and certification tips – MCSE
- Network architect resources
- Trainer resources

Windows 2000 future directions

- Windows 2000 release two and DNA
- Backoffice integration (Exchange 2000, SQL 2000, Commerce Server 4.0) with Windows 2000
- Development and COM+
- XML integration
- E-commerce
- The future of LDAP and DNS

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Mr/Ms	First name	Surname/family name	Job title

Organization and full postal address

Reservation made by Mr/Ms Initials Surname/family name Job title

Telephone Date

Fax Signature

E-mail

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