



iSeries Windows™Integration Overview

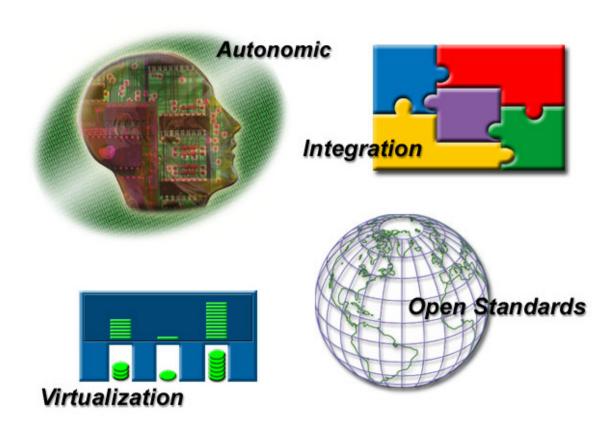
Integrated xSeries Solutions

iSeries and Windows Servers

- A large majority of iSeries and AS/400 customers have Windows® servers installed
- ISVs and IBM are delivering complementary applications with Windows Servers
- Customers want to consolidate servers



The next generation iSeries... ... simplicity in an on demand world





... including "de facto" standards like Wintel servers



iSeries Windows 2000 Server® Integration

Solutions

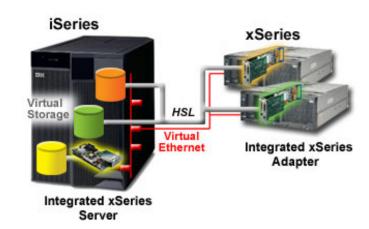
- Extend OS/400 applications with Windows™
- Consolidate Windows Servers

Approach

- Leverage xSeries hardware
- Use Standard Windows Server software
- Add value to Windows servers

Choice of Offerings

- Server "under the covers" Integrated xSeries Server
- Direct Attach xSeries Server Integrated xSeries Adapter



Integrated xSeries Server

- Intel[®] 1.6 GHz Xeon[™] Processor
 - With Hyperthreading technology
 - ► Up to 4 GB Memory
- Integrated 10/100 Mbps Ethernet Adapter
- Leverages iSeries resources
 - Virtual disk storage up to 2 TB
 - Virtual 1 Gbps Ethernet connections
 - Shared Tape, DVD and CD-ROM
- iSeries Models 270, 8xx
 - OS/400 V5R2 Required
 - ▶ 1 GHz IXS available for V5R1

- Windows 2000 Server® Support
 - Windows 2000 Server
 - ► Windows 2000 Advanced Server®
 - ► Microsoft .Net®*



Integrated operations and server management

^{*} Planned for 1Q 2003, dependent on Microsoft delivery



Integrated xSeries Adapter

- Attaches the latest 2, 4, 8-way xSeries Servers*
 - ▶ 1 GBps High-Speed Link
 - ► x235 (2w), x255 (4w), x360 (4w), x440 (8w)
 - ► Models 270, 8xx
 - ► OS/400 V5R1 or V5R2



- Virtual disk storage
- Virtual 1 Gbps Ethernet connections
- Shared Tape, DVD & CD-ROM
- iSeries Models 270, 8xx
- Windows 2000 Server Support
 - Windows 2000 Server
 - Windows 2000 Advanced Server
 - ▶ Microsoft .Net**



Enterprise X-Architecture™

Integrated operations and server management

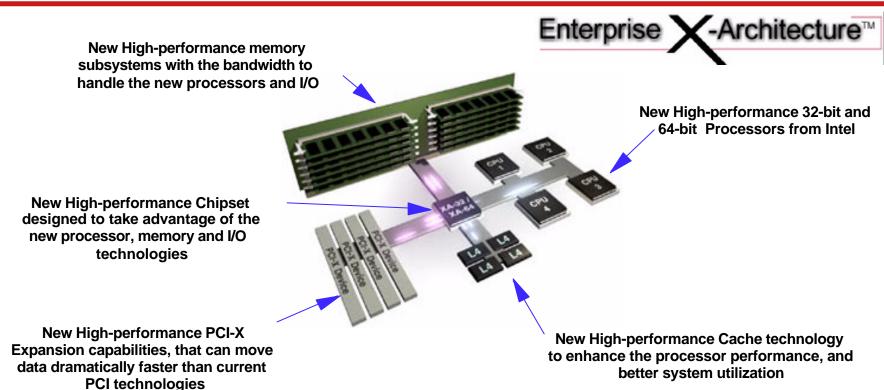
iSeries Integrated xSeries Solutions for Windows 2000 Server

^{*} Selected Open Bay models of x235, x255, x360, and x440

^{**} Planned for 1Q 2003, dependent on Microsoft delivery

Matched, High-performance Technologies

Matching new high-performance 32 and 64-bit processor technology, with new high-performance memory and I/O subsystems.



Result: Increased overall performance, system utilization, scalability and availability



iSeries Integrated xSeries Solutions: What is New

- Support for new iSeries models
 - ▶ i800, i810, i825, i870, i890
- Integrated xSeries Server/Adapter maximums increased on 8xx
 - Enables iSeries to support for larger and more complex Windows 2000 Server environments
- i825, i870, i890 Enterprise Package includes Integrated xSeries Server
 - ▶ 1.6 GHz Integrated xSeries Server
 - Education Voucher valid for ILS iSeries Windows Implementation Class
 - Service Voucher valid for iSeries Windows Integration Services





Model	Max IXS	Model	Max IXS
		800	4
270	3	810	13
820	12	825	36
830	28	870	48
840	32	890	48

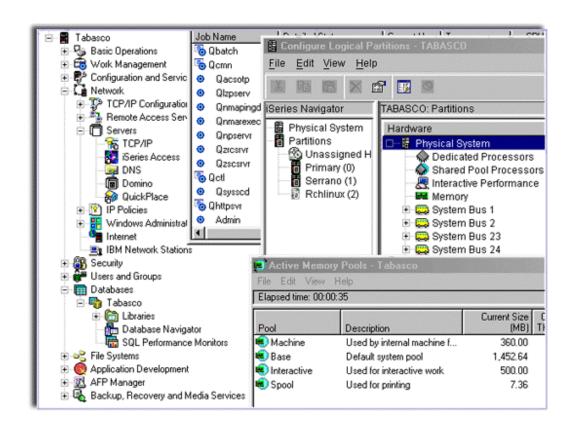
Integrated xSeries Adapter (IXA)



Model	Max IXA	Model	Max IXA
		800	3
270	2	810	7
820	8	825	18
830	16	870	60
840	32	890	60



OS/400 V5R2 & iSeries Navigator



- Improve operator productivity with extensive automation for workload management
- Centralized administration of multiple operating environments across LPARs and Integrated xSeries servers
- Integrated management for enterprise middleware solutions



User Administration

Problem

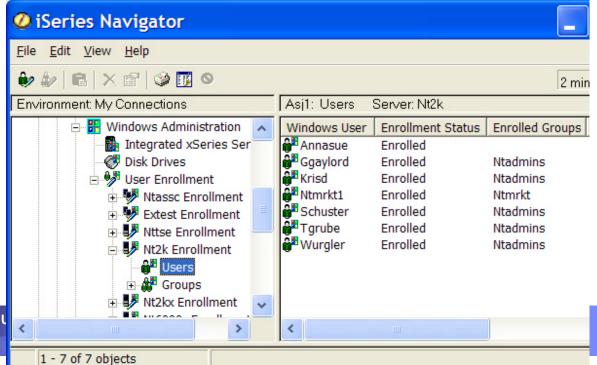
Multiple system user management

iSeries Solution

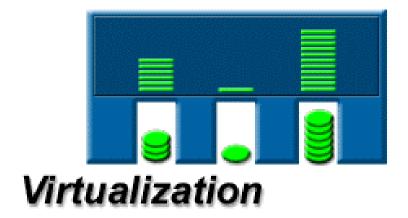
Adding OS/400 Users and Groups to Windows 2000
 Server Domains and Synchronizing Passwords

Benefit

 Can reduce costs with integrated user management









Virtual Networking

Problem

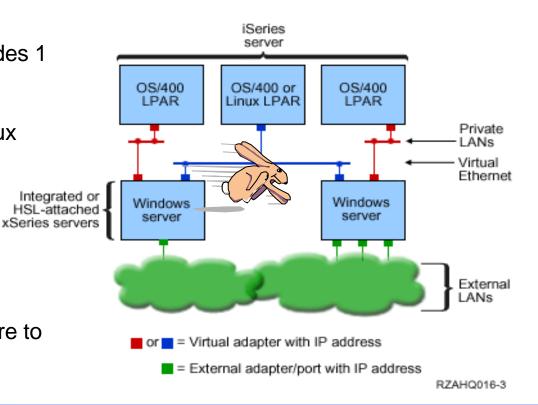
 Upgrading network infrastructure to support high-speed application communication is expensive in terms of time, resources and equipment

iSeries Solution

- Virtual Ethernet at OS/400 V5R2 provides 1 Gb Connections with no LAN Adapters/Switches
- Windows to Windows to OS/400 to Linux
- Up to 5 Connections per IXS / IXA

Benefit

- Extremely secure and reliable server communication over high-performance connections
- Can reduce network traffic and exposure to "sniffing"





Virtual Storage

Problem

Storage management across the server farm

iSeries Solution

- Flexible Virtual Disks from 1 MB to 64 GB.
- Up to 2 TB per Windows server
- Hot add of iSeries Storage Space to Windows 2000 Server

Benefit

 Can reduce costs with flexible, centralized storage management

