

Session #: E1087

Linux on IBM ^ : Opportunity for the Future is Here Today!

Speaker(s): Kay A. Tate, ^ Solutions Enablement









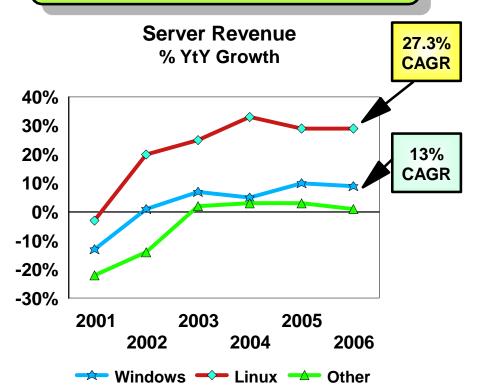
Agenda

- Emerging Opportunity of Linux
- Value of Linux
- Moving your Linux Application to a (New) IBM
 Series
- Linux on IBM ^ Series
- Making Your Linux Solution "Compelling" on IBM
 Series
- Resources

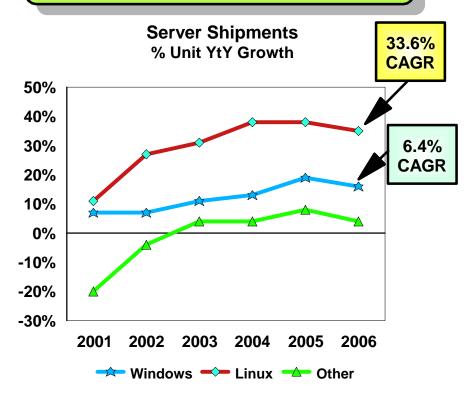
Linux Growth: Emerging Opportunity







Greater than 5X growth of Windows & represents 25% of total server shipments by 2006

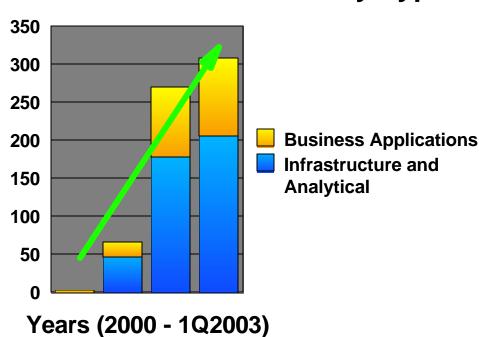


Source: IDC Server Market Quarterly Forecast (September 2002)

Linux Customer Usage Trends

Linux operating system growth remains strong for infrastructure and scientific uses while gaining momentum in adjacent business application areas

IBM Linux References by Type**



Trend towards increased business usage

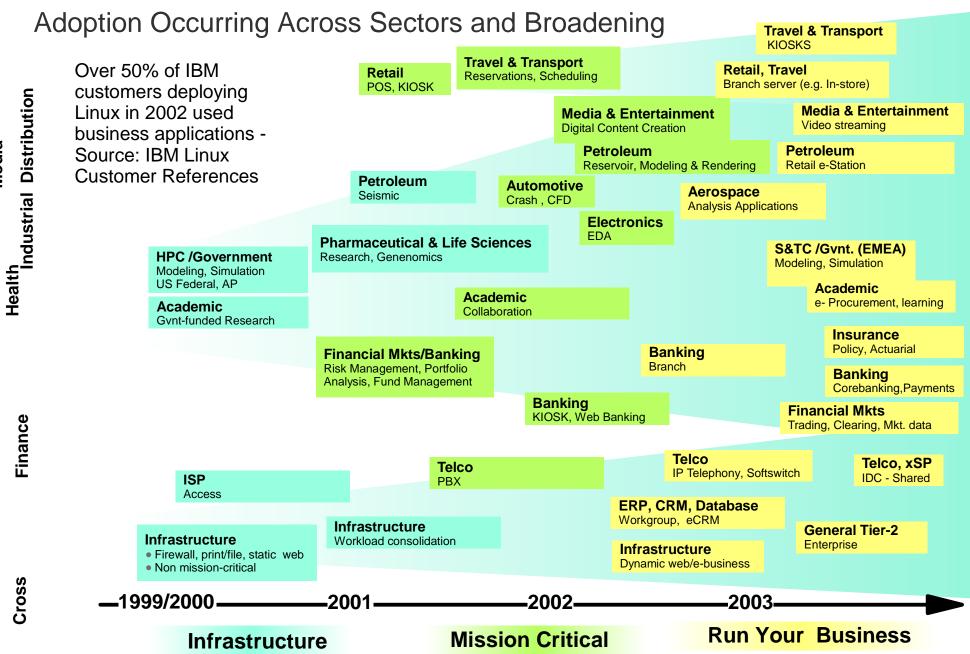
- Web serving to eBusiness (e.g. web banking)
- Scientific clusters to Commercial clusters (e.g. Financial risk mgmt., Digital content creation)
- Retail POS, Kiosk, in-store server

** Source: IBM Linux Customer References

Where Companies are Deploying Linux

Media

Public &



Value of Linux

- Predictable, Stable Linux OS
 - 2.4 kernel effectively supports a new commercial application base
- Continued Linux Technology Advances
 - Linux Open Source Community encourages best-of-breed
 - IBM is contributing to Linux technology via the Linux Technology Center
- Breadth of hardware platforms and key software support
 - Same Source Code base across Intel IA32/64, AMD, IBM POWER, IBM zSeries
 - Middleware/tools support from industry leaders (e.g. IBM, CA, Borland,...)
- Linux Industry Standards Rapidly Evolving
 - Linux Standards Base established with ongoing enhancements
 - Focus on Application Binary Interface conformance yields increased compatibility across different platforms



Linux Value to Customers

- Initial Price
- Reliability/Availability
- Issues with Microsoft Licensing
- Ongoing Cost of Operations
- Availability of Applications
- Open Source Model
- Linux features and functions
- Reduce dependence on Current OS vendors

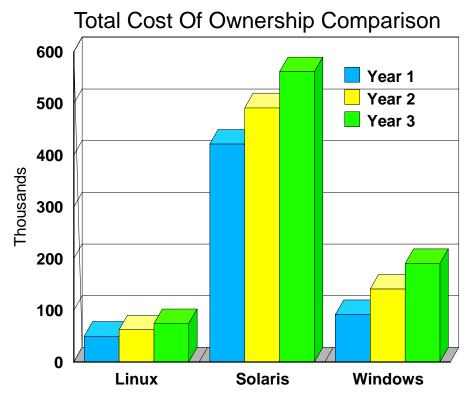
"Linux offers several value propositions that encourage user migration from other platforms. The primary motivators include lower cost hardware, less expensive upgrades, reduce or no license fees, a choice of technical support and service provider, avoiding vendor lock-in, and reliability and high availability advantages.

These are real driving forces. UNIX users are particularly interested in lower cost hardware and upgrades. The savings can be substantial, even reaching a factor of ten."

D.H. Brown Associates
Research Report, August 2002



Linux Reduces Cost of Infrastructure (TCO)



Based on Web deployment experiences of 14 customers

TCO (excludes middleware, application, services)

- 1) OS Purchase Prices
- 2) HW Purchase/Maintenance
- 3) Upgrade Prices
- 4) Admin costs

Source - Robert Frances Group - July 2002

- Use TCO to strengthen overall value proposition
- Deliver more value at customer's budget level
 - Solution value (e.g. optional products)
 - Additional services
 - More installations
 - Multiple phases at once
- Easier/faster approval

Linux Value to ISVs

- "Develop once" and deploy across a wide spectrum of platforms
 - Reduce development costs
 - Reduce time to Market for new versions
- Ready access to new technology
- Open Source Community support
- Linux skills more readily available
- \$ Opens up new market opportunities
 - ---> New revenue opportunities

Linux @ IBM

IBM is Committed to Linux across the Entire Business

- Linux Technology Center
 - "Help make Linux better"
 - 250+ developers, 21 sites working within the open source community
- Linux Integration Center
 - Technical consulting, proof of concepts, benchmarks
- Open Source Development Lab (Founding Sponsor)
 - Enabling Linux and Linux-based applications for data center and carrier-class deployment
- Linux Porting Centers
- Linux for Service Providers Lab
 - Assist telecomm service providers, network equipment providers and ISVs test and implement Linux solutions
- 2,000+ Linux-skilled IGS professionals

Demonstrated IBM Commitment to Linux

Innovation & Leadership!

The First...

...Vendor pursuing a **broad**Technology and Marketing strategy

...Linux Technology Centers (LTC)

...Vendor to issue full public endorsement of Linux

...Linux eSourcing solution

...Major system vendor dedicated to Linux open-source projects

-Ist

...Linux industry-specific Centers of Competency (CoC)

...Integrated Linux Cluster offering

...Comprehensive Linux channel program

...Linux-based Integrated Solution platform for eBusiness

...Linux across such diverse server product lines

...workload consolidation offering for Linux



It is generally pretty easy to get there...

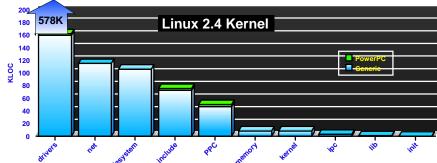


Linux to Linux Ports

- "Linux is Linux" across many platforms
- Determine the distribution you want to use on the target platform
 - Tool sets and configuration file layout
 - Distributions supporting the platform
 - Key capabilities for your solution (e.g., 64-bit support)



- The IBM JVM 1.3.1 is available for download
- Try it! ibm.com/developerworks/java/jdk/linux/tested.html
- C / C++, Fortran will require a recompilation for a new target architecture
- Check for hardware dependencies
 - Endian sensitivities in the code
 - Specific device driver dependencies
 - Assembler code in the application
- Check any middleware dependencies for availability on the target platform



Linux to Linux Porting Resources

- Linux Porting Roadmap General
- ibm.com/servers/enable/linux/roadmap/index.html
- Technical enablement roadmaps on the Series sites
 - iSeries: ibm.com/servers/enable/linux/iseries.html
 - pSeries: ibm.com/servers/enable/linux/pseries.html
 - xSeries: ibm.com/servers/enable/linux/xseries.html
 - zSeries: ibm.com/servers/enable/linux/zseries.html
- Red Books for each Series, variety of Linux-related topics
 - www.redbooks.ibm.com and search for the topic of interest
- Linux Standards Base
 - www.linuxbase.org



Cross-Platform Made Easy: What ISVs are Saying

"The most notable aspect of 'porting' Synapse to Linux on zSeries was the fact that it was never apparent that Synapse was executing on a zSeries partition rather than one of our Intel-based Linux servers..."

<u>Integrated Business Systems and Services (IBSS)</u>

"I was impressed on how easy it was to validate our Linux General Ledger on IBM's Linux for iSeries. I finished the iSeries conversion and validation portion in 10 minutes! We ported the code to pSeries first and had the binary running on the iSeries. But to make sure that the source ports cleanly we transferred the code to the iSeries and compiled it with no problem. It worked beautifully."

<u>Don Anderson, CEO, Linux Business Accounting Systems</u>

For more comments on IBM's \(^\) enablement offerings for Linux, see :

ibm.com/servers/enable/linux/quotes.html

UNIX to Linux Ports

- If you use Java, check the JVM level (business as usual)
- High level of compatibility in system services
 - 80+% of APIs are identical
 - Less than 15% require simple translations or masks
 - Less than 5% of APIs may need rework.
 - Items to check carefully include threads, some signals and synchronization
 - Linux to Linux architectural items
- Development tool sets may be more or less compatible between UNIX platforms and Linux
 - Editors and compilers
 - Build process (make, linker, etc.)
 - Maintenance and debugging



UNIX to Linux Porting Resources

- There is a wealth of useful material to get you started at
 - ibm.com/developerworks/offers/linux-speed-start/
- Porting UNIX Applications to Linux Hints and Tips
 - ibm.com/servers/esdd/articles/port_unix.html
- Solaris-to-Linux Porting Guide
 - ibm.com/developerworks/linux/library/l-solar/index.html
- A Technical Guide for Porting Applications From Solaris to Linux
 - ibm.com/servers/esdd/articles/porting_linux/index.html
- PortingManager C/C++ to Linux porting tool
 - alphaworks.ibm.com/tech/portingmanager/

Linux Solutions Coming from UNIX Origins

"According to participants in several actual projects we have monitored, migration from any POSIX-compliant Unix such as Solaris, AIX or HP-UX seems to be among the easier software conversions that can be undertaken".

"Further easing the migration of many new applications is the fact that any Java-based application should move directly over. Large Java components in several of the projects we have monitored moved to Linux with no modification"."

Giga Information Group

""The integrated IBM xSeries server solution and SteelEye LifeKeeper clustering software offerings on Linux provide us with the ability to rapidly deploy and easily manage our platforms, all with a price/performance advantage that's unbeatable."

Andreas Walter, IT Manager for BBDO INTERACTIVE

"Since switching to Linux, we have had no outages at all ...Linux is a highly stable environment. The transition was incredibly smooth and easy....."

David Spicer, Flamenco Networks, Founder, CEO and CTO



Linux Distributions for ^

Series





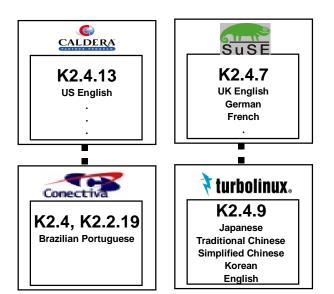
- Linux Distributors with versions available across ^
 series
 - SuSE, powered by UnitedLinux (Open Industry Consortium)
 - Red Hat
- Additional distributions are available for specific series or systems
 - Check the series Linux web site for more information including links to placing orders
 - iSeries: ibm.com/servers/enable/linux/iseries.html
 - pSeries: ibm.com/servers/enable/linux/pseries.html
 - xSeries: ibm.com/servers/enable/linux/xseries.html
 - zSeries: ibm.com/servers/enable/linux/zseries.html



UnitedLinux (UL) - Indicator of a Maturing Industry

Before United Linux

- Different Linux Distributions strong in different regions
 - WW Coverage = many Linux Distributions
- Multiple Linux Distributions, multiple and frequent releases
 - Difficult for ISVs and enterprises to maintain stable environment
 - Inhibits IHV/ISV investments
 - Different Kernels for different platforms within the same distribution



With UnitedLinux

- LDPs combining their development investment and best features
- Single code base used by all participants
 - Support many languages
 - Same code base across many platforms
 - Major release every 12 18 months
 - Stable base with 2-3 fix packs between releases
- Concept of "binary compatible" Linux distribution
- Reduce cost and time to market for System Vendors, ISVs, IHVs, LDPs, most importantly customers





Support for Linux Across the ^

Family

- Support is available from the Linux distributors
 - SuSE
 - Red Hat
 - Others for specific hardware and systems
- Support for Linux from IBM via Linux-specific SupportLine contracts
- Support for more detailed development questions can be found in the Open Source community, often email lists
- Support for the IBM eServer series platform from IBM for suspected defects
- Other consulting and support available for Linux from IGS

Providing a Linux Application Across the ^ Family

- IBM delivers the system enablement and the distributors deliver their Linux distributions
 - Focus on develop once, redeploy readily
 - Many cross-server solutions are able to use a single application code base
 - eServer series strengths can help you deliver enhanced Linux solutions
- IBM is delivering the middleware (DB2 UDB, Websphere, Tivoli,...) along with other industry players
- eServer advantages can often be used to enhance prototyping, development and testing activities
- Solutions will generally have a compilation for each architecture family
 - xSeries
 - zSeries
 - POWER (iSeries and pSeries)
- UnitedLinux tools address ABI at the architecture level

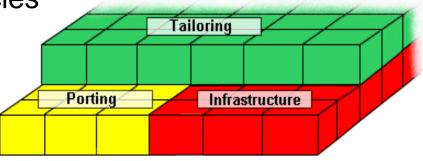


General Steps to Enabling Your Linux Application

- Porting
 - Moving your application code to the new platform

Checking middleware dependencies

- Building your infrastructure
 - System resources
 - Skills of your staff
 - Processes for development, build, Q/A, testing



Porting Central for Linux website coming 2Q

ibm.com/servers/enable/site/porting/

- Tailoring your new solution
 - Taking advantage of the environment
 - Tuning up for your new customers



About Linux on the IBM ^ Family





IBM ^ the Board

Family Supports Linux Across

eserver zSeries:

- Blend data richness of zSeries with web capabilities of Linux
- Industrial strength Linux environment



@server xSeries

- Built on Industry Standards
- Exploit xArchitecture

@server iSeries:

- Application Flexibility (multiple types on iSeries: OS/400, Windows, AIX, Linux)
- Industrial strength for small and medium business

@server pSeries:

- High performance computing
- UNIX and Linux working together

Linux on the zSeries

Flexible, extensible, scalable and manageable Linux environment with best integration and fastest access to mission critical data and applications

Value Proposition

- Security and peace of mind for Linux deployments
- Fast response to changes in workload
- Low TCO through server consolidation



Business Focus

- Current S/390 customers with large, distributed e-business application deployment
- Expand current customer focus to LOB applications
- ► IDC, Net Gen with large server farm
- S/390 Mid Market customers web-enabling applications

- Many Linux servers on a single HW platform (hundreds +)
- Unmatched scalability
- ► Large enterprise application portfolio
- Simplified systems management
- Runs in an LPAR or on z/VM
- ► 64 bit & 31-bit implementations
- Reduced cost of ownership

Linux on the iSeries

New Stream of Solutions - Where Linux Complements Integrated OS/400 eBusiness Solutions

Value Proposition

- Consolidation, replace competitive "farms" of servers
- ► Linux Integration for iSeries, enterprise RAS, ease of use and management
- New apps to complement strength as integrated core business solution



Business Focus

- Attract new workload to iSeries
- Extend current solutions to the web
- ► Application Flexibility (multiple application types on iSeries: OS/400, Windows, AIX, Linux)
- Small/medium business solutions

- Linux Integration for iSeries enterprise RAS using LPAR, ease of use
- Familiar concept for iSeries customers, like Integrated xSeries Server management
- ► Flexible I/O management
- Large memory model (64-bit)
- Data integration with DB2 UDB on OS/400

Linux on the pSeries

Best of both world's - only UNIX vendor to support UNIX & Linux on a single server

■ Value Proposition

- Support for UNIX and Linux on one platform
- Broad range of Linux performance
- POWER4 performance comes to Linux



Business Focus

- Accelerate UNIX Growth with AIX on Power at the high end
- Native Linux on Power to deliver entry and stand-alone servers
- Environment for Linux appl.
 requiring RAS, scalability of AIX

- Linux in a logical partition or stand-alone
- Linux Affinity (AIX 5L) for enterprise RAS, management
- ► Large Memory model (64-bit)
- Large, Complex computations
- High I/O Bandwidth



Linux on the xSeries

Cost effective platform with largest application portfolio

■ Value Proposition

- Superior value at competitive prices
- Scalability
- Broad Linux application portfolio





Business Focus

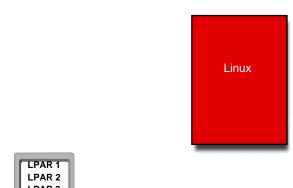
- Exploit Windows & Unix to Lintel migration trend
- Growing faster than the market, primarily through new customer acquisition
- SMB & Large Enterprise solutions
- ► Focus on Infrastructure, Scientific/Technical, Collaborative & Business Process workloads

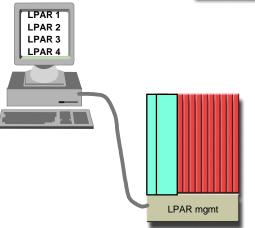
- ► Enterprise X-Architecture innovation
- Scale up (x360/x440) & scale out (BladeCenter/Clusters) offerings
- Advanced systems management capabilities using IBM Director
- Server consolidation & virtualization using VMware

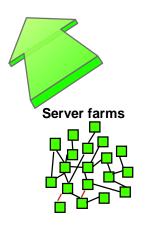


Key Concepts: Linux on IBM ^

Series







- Native (no emulation)
- Stand-alone (single image)
- Logical Partitioning of resources (LPAR)
 - Partition management
 - Static/dynamic assignment of resources
 - Communication between partitions
- Virtualization of resources
 - I/O (devices)
 - Virtual machine
 - Guest operating systems
- Server Consolidation opportunities
 - Value from the system environment
 - Interoperability with other components
 - Total cost of ownership advantages



IBM ^

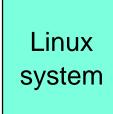
Family Linux Enablement

@server zSeries:

- Integrated Facility for Linux (IFL) dedicated processor
- LPAR, up to 15 partitions
- Can use z/VM for totally virtualized hardware, potentially hundreds+ of Linux guest images
- Virtual networking between guests
- zSeries 64-bit and 31-bit Linux systems and applications

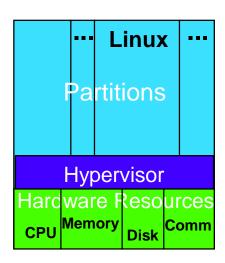
eserver iSeries:

- Linux always runs in secondary LPAR, up to 31 partitions
- Requires OS/400 primary partition
- Dynamic LPAR for OS/400 and Linux at V5R2
- Virtualized or Linux LPAR-attached I/O devices
- 64-bit and 32-bit applications



@server xSeries

- Stand-alone Linux systems
- Partitioning available via third party (VMware)
- Clustered systems
- e-business configurations
- 64-bit and 32-bit systems and applications



@server pSeries:

- Stand-alone Linux
- Linux Affinity with AIX 5L
- LPARs support either/both AIX and Linux partitions, up to 16 per system
- Dynamic LPAR for AIX at 5.2
- Dedicated I/O for LPARs
- 64-bit and 32-bit applications

New Red Piece: "Linux Handbook: A Guide to IBM Linux Solutions and Resources" at www.redbooks.ibm.com

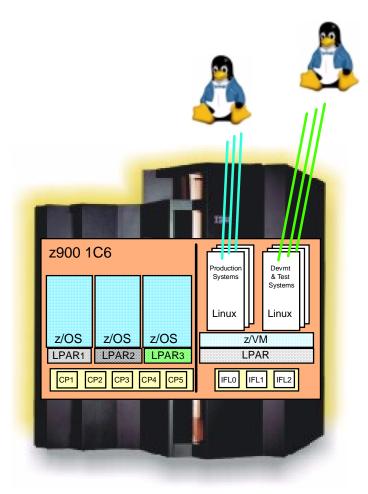


Technology Commonality and Sharing Across IBM ^ Family

- "Linux is Linux"
- There are common themes with technology sharing among the family series
 - Native processor use (exploits the processor directly)
 - Enhanced RAS features provided by the hardware
 - Partitioning and its management
- There are a variety of technologies used in deploying Linux across the IBM ^ family
- Linux application developers have the opportunity to exploit these technologies

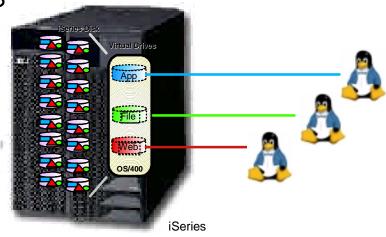
Linux on zSeries Facilities

- Most reliable hardware platform available
- Choice of Linux deployment (IFL, LPAR, z/VM)
- Virtual server Linux deployment
 - Virtual Linux server startup in seconds
 - Scalability to hundreds+ of images
- LPAR and z/VM workload insulation protects images from failures in other images
- Flexible Resource Management
 - Up to 15 partitions with shared CPUs managed by system weights
 - VM virtualizes all system resources to the images
 - Customer Upgrade on Demand (CUoD)
- z/VM virtual networking for fast, safe communication (channel to channel, inter-user, Guest LAN)
- Total cost of ownership advantages
 - Centralized management
 - Better leveraged system resources



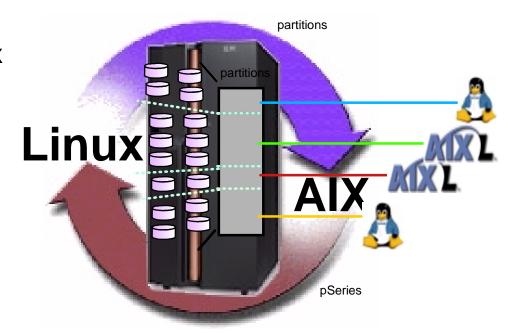
Linux on iSeries Facilities

- Integrated computing across technologies
- Run up to 31 Linux partitions on one server
- I/O Device Virtualization
 - Linux can share disk, tape, CD, DVD with OS/400 and other Linux partitions
 - Simple to duplicate servers
 - OS/400 disaster recovery for Linux data
 - OS/400 disk availability transparent to Linux OS
 - Up to 16 virtual ethernets for safe/fast communications
- Direct Linux ownership of I/O also available
- Dynamic Resource Movement
 - 1/100th of a processor, CUoD models
 - Virtual storage spaces, added dynamically
- Linux to OS/400 Application Integration
 - ODBC and JDBC (in Java Toolkit) access to DB2 on OS/400
 - Samba and NFS for file access
- Management Integration
 - LPAR and Storage
 - Linux reboot control via OS/400 operations



Linux on pSeries Facilities

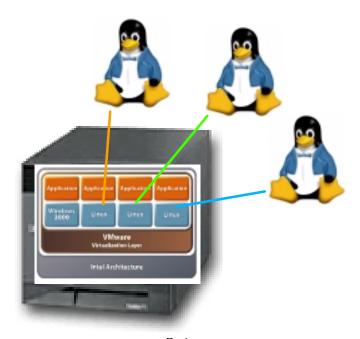
- High Performance, 64-bit computing
- Run Linux stand-alone on pSeries Servers
- Mix and match Linux and AIX partitions on a single server
 - Up to 16 total Linux and/or AIX images
- Linux applications can exploit pSeries "industrial strength" using AIX 5L Linux affinity
- Flexible Resource Movement between partitions
 - Dynamic adjustment for AIX
 - Linux reboots to take advantage of resource
 - CUoD models
- Linux to AIX Application Integration
 - Samba for file and print sharing
 - Security and user management integration
- Management Integration
 - ► LPAR and Hardware Management Console





Linux on xSeries Facilities

- Run Linux directly on xSeries servers
- Mix and match Linux and other OS images on a single server
 - VMware provides virtual machine
- Advanced architectural features
 - Real time diagnostics and visual assists
 - Hardware error masking, transparent to users
- Clusters and blade servers
 - Growth flexibility and horizontal scalability
 - Automated deployment
 - Streamlined packaging
 - Streamlined and remote management
- IBM Director management
 - System availability prediction and management
 - Capacity and performance analysis and recommendations



xSeries

Extending your Linux Solution for Individual Series

- Target a new customer set or provide new advantages for your current customer set
- Check out the Series' advantages and match with opportunities you are looking for
- Leverage specific Series advantages like:
 - Delivering your solution via a pre-configured Linux disk image in a Network Server Storage Space on iSeries
 - Winning benchmarks with your pSeries solution performance by using the optimizing C++ and Fortran compilers
 - Dynamically exploiting wide horizontal scaling with many zSeries virtual Linux images
 - Creating high-density rack-mount clustered Linux solutions with xSeries



Linux for zSeries Solution Scenarios

Consolidation

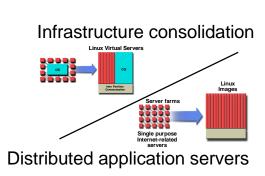
- Replace infrastructure servers
- Better utilize hardware resources for moderately loaded servers
- Lower cost of physical plant, management, etc.

Integration

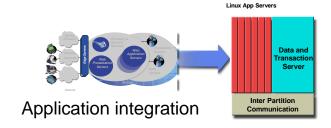
- Run middle tier UNIX server applications
- Leverage z/OS data server back-end
- Lower cost of computing with integration

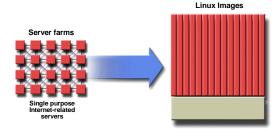
Server Hosting

- Support large numbers of virtual servers
- Run Linux applications on same server as z/OS
- Lower cost of computing with server flexibility









Very large scale server hosting

Linux for iSeries Solution Scenarios

Consolidation

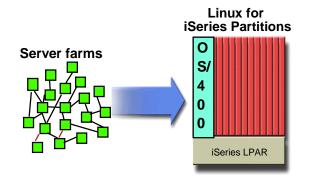
- Replace Windows or Linux infrastructure servers
- Run multiple Linux servers in partitions
- Consolidation and centralized management lowers cost of computing

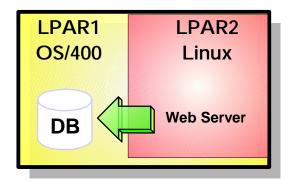
Integration

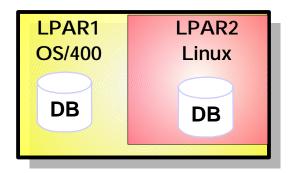
- Extend OS/400 applications with Linux applications
- Run Linux applications on same server as OS/400
- Integration lowers cost of computing

Application Flexibility

- Leverage Linux LOB application portfolio
- ► Run Linux applications on same server as OS/400
- Flexibility lowers cost of computing









Linux for pSeries Solution Scenarios

High Performance Computing

- ► 64-bit high performance Linux as well as AIX
- Scalable architecture
- Reliable architecture

Low Cost Computing

- Linux stand-alone entry point
- Low cost 64 bit systems
- Run Linux applications on same server as AIX
- Integration Lowers Cost of Computing

Consolidation

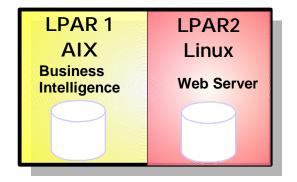
- Replace Windows or Linux Infrastructure servers
- Run multiple Linux servers in partitions
- Consolidation Lowers Cost of Computing

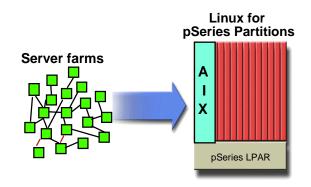
Integration

- Extend AIX applications with Linux Applications
- Linux affinity on AIX 5L
- Unix and Linux in a single system











Linux for xSeries Solution Scenarios

Consolidation

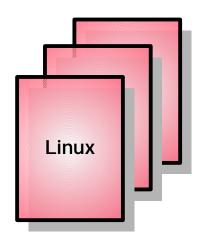
- Power and floor space reduction
- Load balancing and better system utilization
- Centralized management

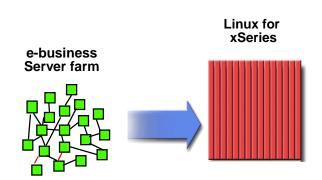
e-business Infrastructure

- File/print serving, web, mail and messaging
- Web serving
- Application Servers
- Integration Lowers Cost of Computing

Clusters and blade servers

- Dynamically extendable hardware
- Advanced hardware detection management
- High availability characteristics built in
- Mission-critical applications







Resources







Linux Solutions Enablement Sample Offerings

■ IBM ^ Linux Web Portal

- ibm.com/servers/enable/linux/
- → Starting point for enabling a product on Linux on any IBM ^
 - Enablement and Marketing Roadmap
 - → A step-by-step Roadmap for each IBM ^ to Linux

to help ISVs plan a port

- Business case development / IBM direction
- Porting tools and white papers
- Redbooks
- Open source tools
- Extensive FAQ's and Q&A support





→ Education and Skills

- eServer Linux Web Portal
- Linux Zone on developer Works
- Linux Classes
- eServer Technical Collateral





→ Technical Assistance Programs

- eServer Linux Competency Team (TRB)
- eArchitect Consult Team
- Solution Partnership Centers
- eMail / Phone Technical Support





→ Systems Access Programs

- eServer Linux Test Drive
- eServer Remote Development
- Solution Partnership Centers
- Hardware Lease Programs
- Hardware Rent/Loan Programs

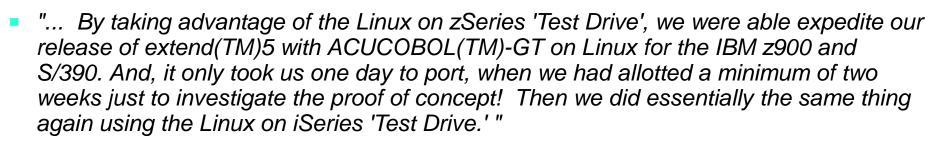


Linux Test Drive

- Designed to provide remote system access for ISVs porting applications to ^ series
 - Prototyping and porting (not a benchmarking center)
 - Limited duration
 - 24 x 7 (except for system backup)
 - Remote access to any IBM ^ Series
 - ibm.com/servers/enable/linux/testdrive



- Linux Test Drive free access, limited capability
 - all ^ series
- Linux Remote Development -
 - fee, expanded capability and help
 - zSeries, pSeries and iSeries



Joe Seiley, Director of Business Development, Acucorp(TM)



Solution Partnership Centers

- Hands-on access for Linux on zSeries, iSeries and pSeries hardware.
 - On site engagements (typical)
 - Virtual Private Network (VPN) access may also be available
 - Linux-capable SPCs located in Chicago, San Mateo, Waltham, Hurlsey, Stuttgart, Paris, Petach-Tivka, Warsaw, Budapest, Tokyo, Seoul, Bangalore, Sydney and Shanghai.
- Technology Consultants available to assist with enablement activity
- Enablement activity is defined and finite
- Typical engagement is 10 business days with the possible extension of 5 more
- Request form at developer.ibm.com/spc/index.html

Key URLs for Enabling your Solutions on Linux

- ibm.com/servers/enable/linux
 - Portal to begin you planning for ^ Linux enablement.
- <u>ibm.com/software/is/mp/linux/software/pdfs/IBMSoftwareOnLinux.pdf</u>
 - ▶ IBM Software available by series
- ibm.com/developerworks/speed
 - ► A wealth of information / assistance from our Speed Start program
- ibm.com/developerWorks/linux
 - ► Comprehensive free Developer Linux Technical Information
- ibm.com/servers/enable/linux/testdrive
 - Access to the test drive systems
- ibm.com/services/learning/us/catalog/linux/
 - ► IBM Linux Education
- publib-b.boulder.ibm.com/Redbooks.nsf
 - ► Technical publications : Redbooks, search on Linux
- www.linuxbase.org
 - Linux Standard Base (LSB) information
- oss.software.ibm.com/developerworks/opensource/linux/
 - ► Linux Technology Center

Don't Forget to Publicize Your Solution!

IBM ^ **Solution Connection**

"Base" Solution Connection Two			
Cor	nnected	 CONTENT: Connecting IBM resources (White papers, benchmarks, sizing tools, etc. to specific solutions. PARTNERS: Connection Reseller partner and sales linkages with solutions. 	and
Int	egrated	 LINKAGES: Linkage with IBM content, sales contacts, Resellers and other valuable information that can help in decision-making and preference. INTEGRATION: Integrated with all major IBM solution tools - GSD, BP Connections, ISV SolutionLink, PWD - to avoid redundancy. BUSINESS ASSESSMENT: Customer access to no-fee business assessment (SEAS) by a qualified IBM business development consultant 	Add Optional "ServerProven" for more differentiation
Tar	geted	 REPORTS: Reports that align the most relevant resources available to the solution(s) and series the customer is considering. "GO-TO-MARKET" PORTALS: IBM and Business Partners can create customized views into Solution Connection solutions and resources for customers through portal functionality 	

Two "levels" of participation . . . and value

Customer Reference

- LOGO PROGRAM: ServerProven logo program for ISVs to use in their own activities - linking back to eSC
- CUSTOMER OFFERS: Access to special offers - demonstrating IBM's support for ISV community. For example: North America rebate up to \$5,000 on when purchased with a ServerProven solution
- CUSTOMER SUCCESS STORIES: Customer access to ServerProven Customer Experiences (success stories) that have been confirmed by IBM

Join at:

www.ibm.com/eserver/ solutionconnection/enroll



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WebSphere. software

NetVista

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Service

Workload

Consolidation

Service

Installation &

Configuration

eSourcing

Consulting

Linux Open Source SWechnology Center

BladeCenter

Storage Systems

Point of Sale

IBM JVM

Websphere MQ

DB2 UDB

WebSphere App.

Developer

VisualAge for

JAVA Pro

Websphere

Application

Server

Domino

Websphere

Commerce

Suite



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