

*TPF Users Group
Grapevine Texas*

October 2004

Open Standards and Linux

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World Wide Linux**



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Linux – only operating system that can run on anything

A platform for innovation



Linux is an IT industry-wide initiative – www.osdl.org



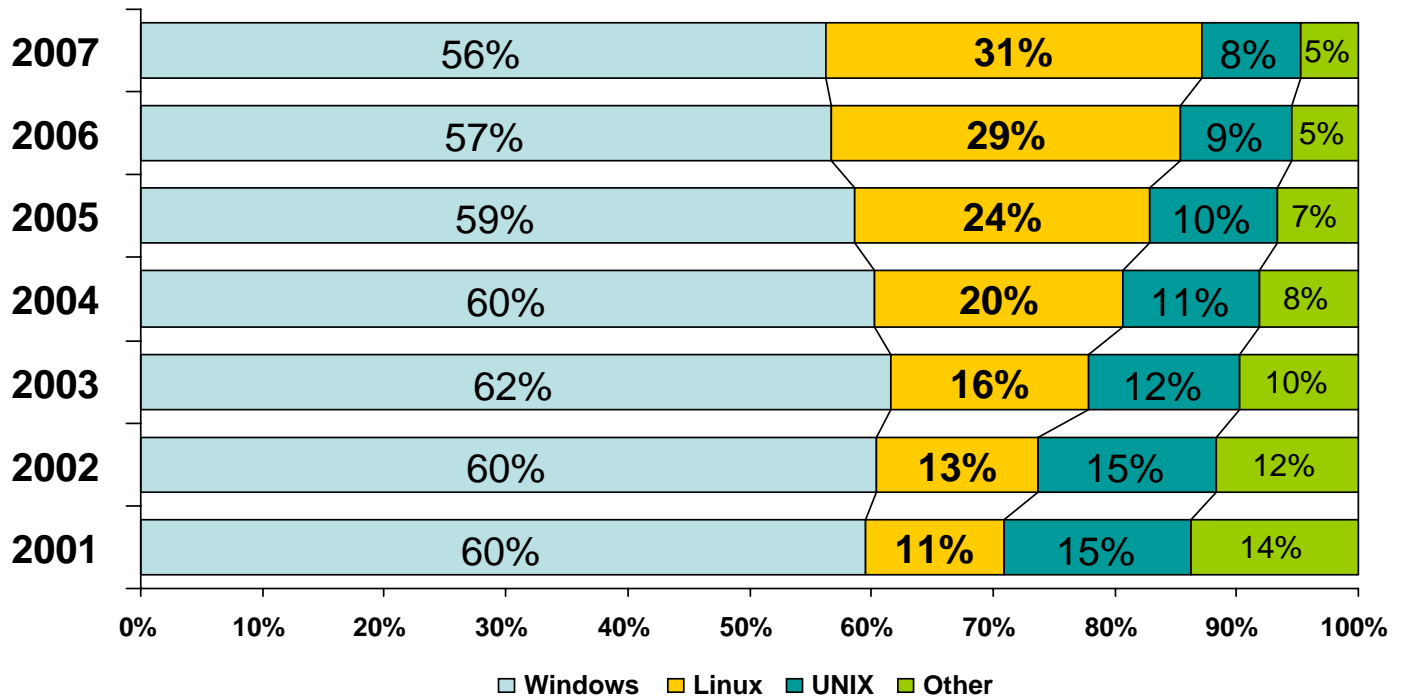
Linux is pervasive – Major Gov't Initiatives

Australia
Brazil
China
Columbia
European Union
Finland
Germany
India
Italy
Malaysia
Mexico
Norway
Philippines (Desktop)
South Korea
Thailand (Desktop)
United Kingdom
USA



Linux

Linux is the fastest growing operating system



Source: IDC Server Market Quarterly Forecast, September 2003
Note: Does not include servers running downloaded versions of Linux

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Linux has become the standard Web server

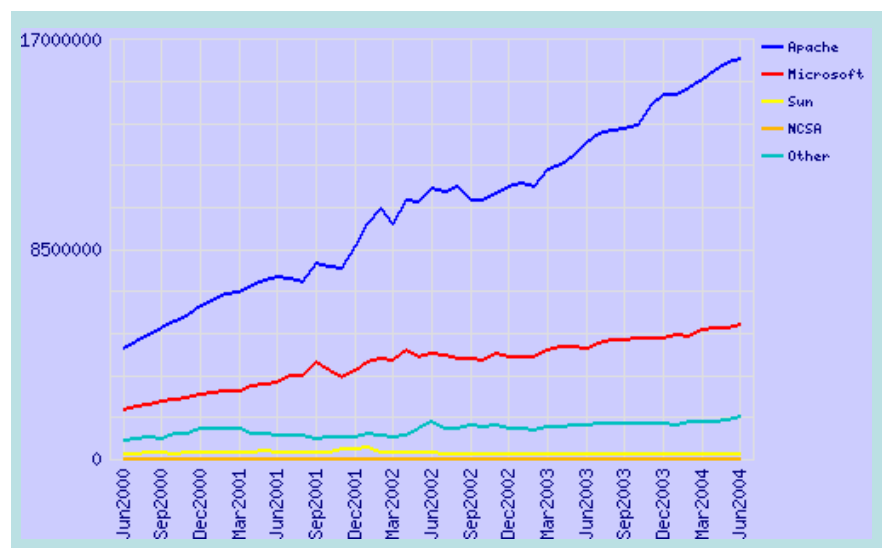
- Totals for active servers across all domains

- Linux - Apache

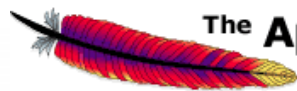
- Sites: 16,226,452
- Share: 69%

- Microsoft IIS

- Sites: 5,451,814
- Share: 23%



Source: Netcraft



The **Apache Software Foundation**

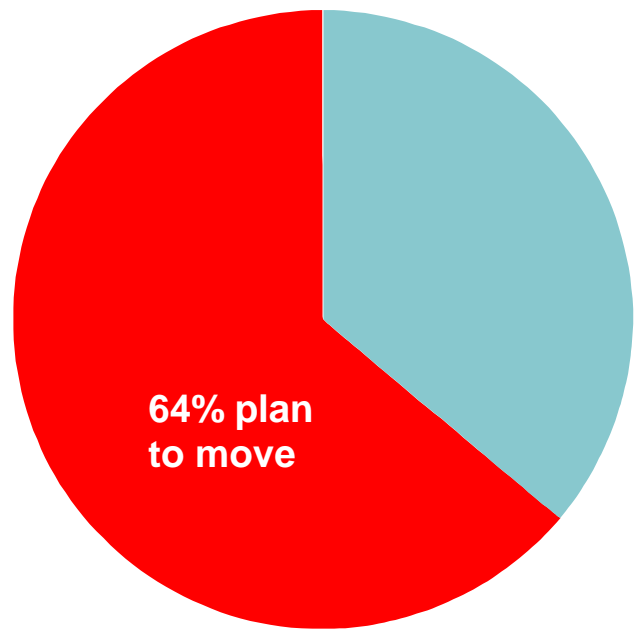
<http://www.apache.org/>



Linux is a Platform of Choice for Enterprises

64% of Customers Plan to Move a Portion of Their OS to Linux

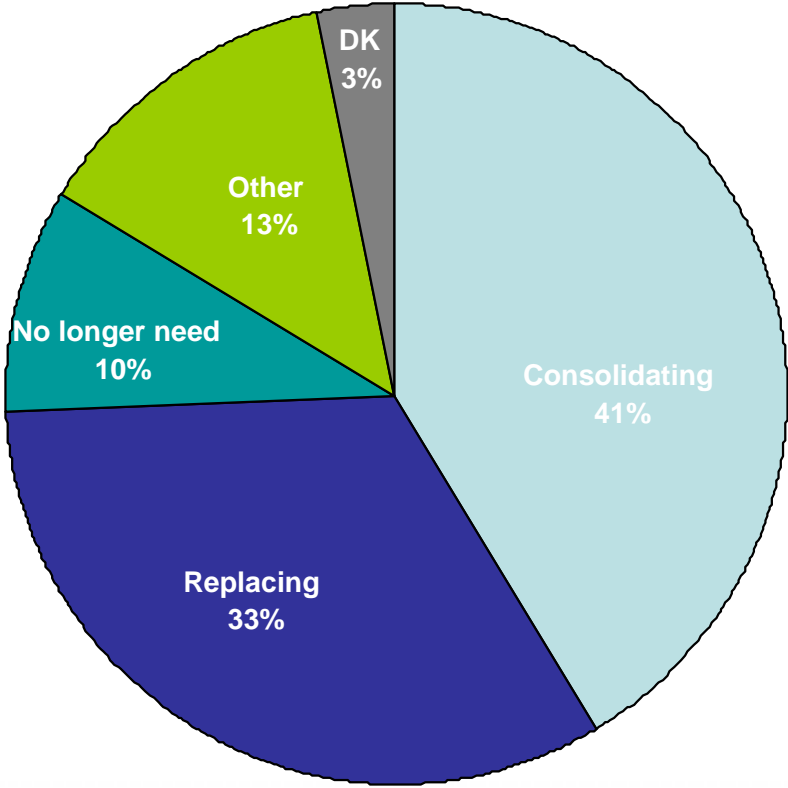
- **42% plan to migrate from Unix to Linux**
- **25% plan to migrate from Windows to Linux**
- **21% plan to add Linux Servers**
- **11% plan to replace Windows Servers totally**



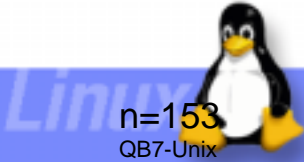
Source: The Yankee Group and Sunbelt Software, Inc. 2004



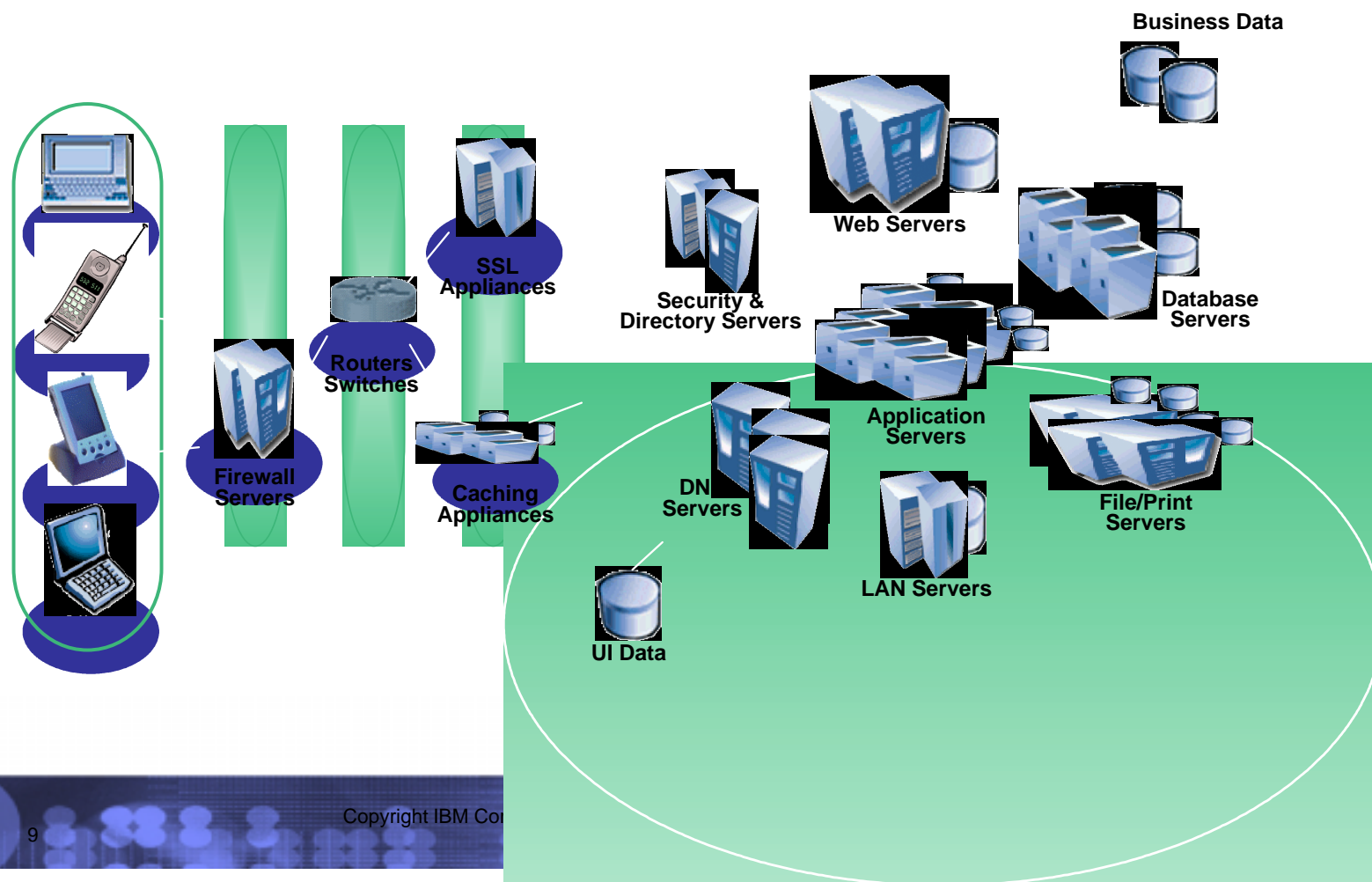
42% plan to migrate from Unix to Linux



Source: IDC, 2004
Unix to Linux Software Multiclient Study



Today's Environment



Infrastructure Simplification



Scale Out BladeCenter



Application Servers
Terminal Serving
E-Commerce Applications
Corporate Infrastructure
Deep Computing Clusters
Collaboration Servers
SSL Appliances
Web Services

Scale Up Mainframe



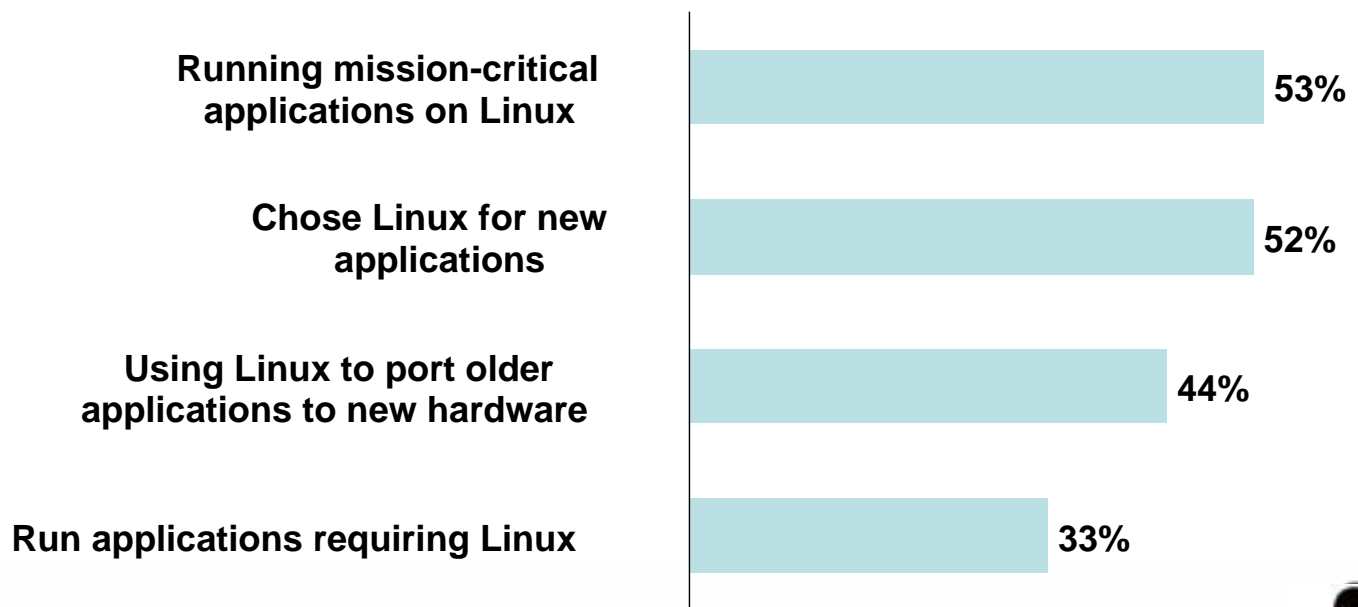
Security &
Directory Services

File/Print Servers
Application Servers
DNS Servers
Web Servers
Database Servers
Transaction Servers



Mission Critical Applications # 1 in customer plans

- Gartner – Linux server shipments saw 57% growth in 1Q2004
- Forester – “Linux is for Mission-Critical Apps.”, 4/2004

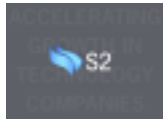


ISV's flock to Linux

Industrial



Distribution



Financial



Telecom



Public



Cross Industry



PeopleSoft®



How Customers Start to Implement Linux

Infrastructure

- NT/2000 to Linux
- UNIX to Linux
- New Workloads

- Firewall - Check Point, etc.
- Print / File - Novell OES, SAMBA
- Web Server - WebSphere
- e-mail - Domino



Humber College
Institute of Technology
& Advanced Learning

Woolwich College



THE COLLEGE OF NEW JERSEY

The
ChronicleHerald



Linux

Customers Continue to Implement Linux

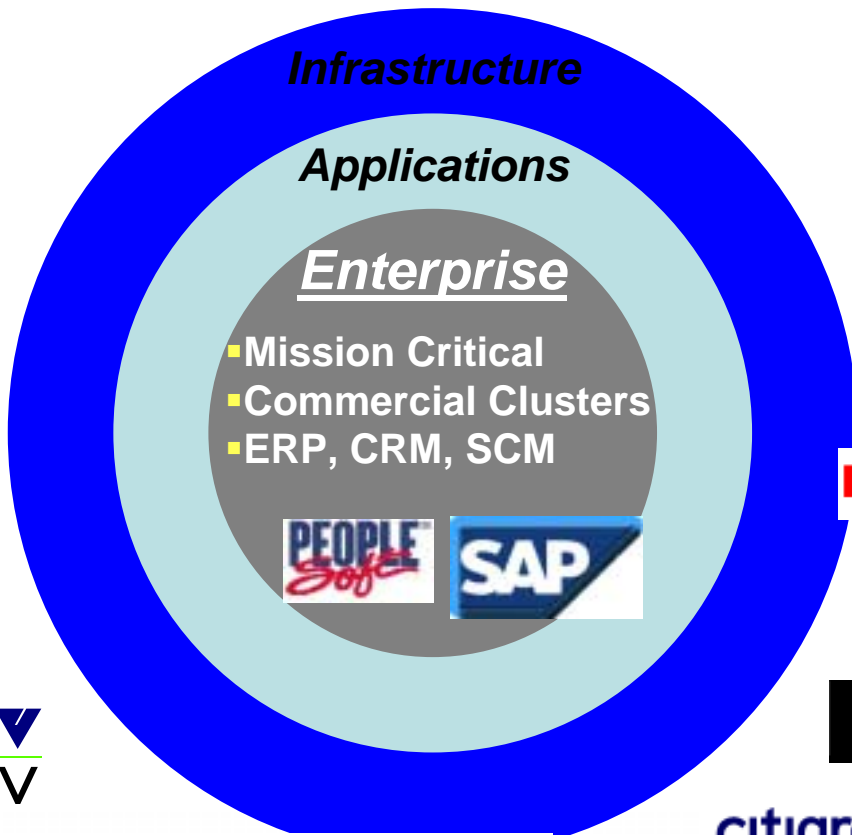
Infrastructure

Applications

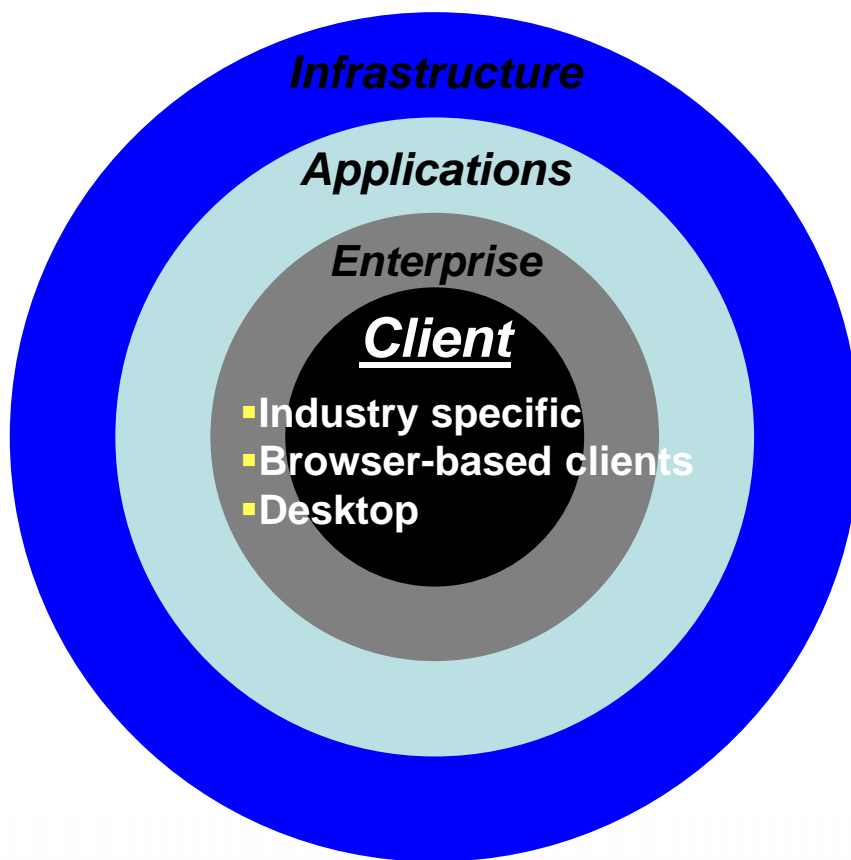
- Database servers
- eCommerce
- Super Computing Clusters
- SW Development
- Store & Branch Automation



Step 3 - Customers Exploit Linux



New Options going forward – Client Desktop



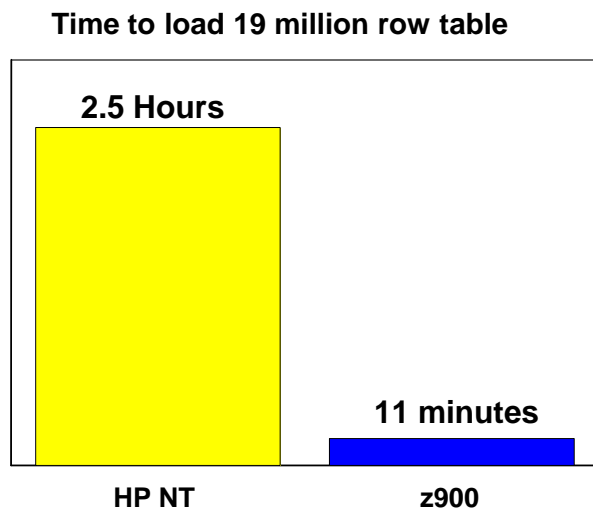
IBM Corporate Linux Status

3500
Internal Production Projects
Worldwide



zLinux Consolidation! “ 2 ½ hours to 11 Minutes”

Banco Mercantil's experience with Linux on zSeries



Data Warehouse moved from HP 2-way Intel server

- ▶ NT4, Oracle 8.0.5
- ▶ to IFL on z900
- ▶ SuSE 7.0, DB2 UDB 7.2

DB2 and I/O tuning actions

- ▶ use LOAD instead of IMPORT
- ▶ tune DB2 LOAD parameters
- ▶ use DMS instead of SMS tablespaces
- ▶ apply performance patch to RAMAC

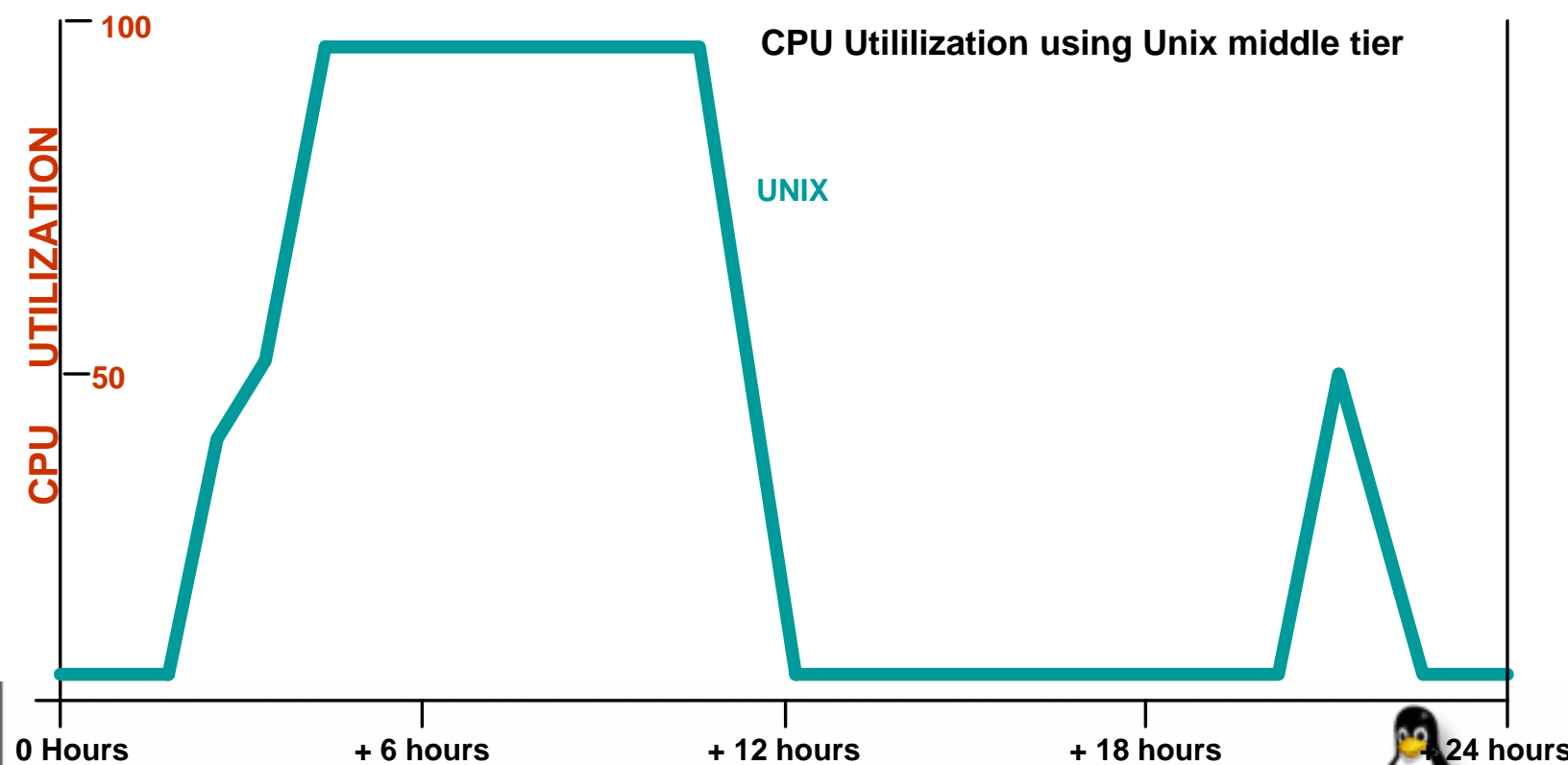
**"zSeries shows us how a real computer performs.
Fast response and high data transfer to meet our business needs".**

quote: Enrique Rodriguez, Banco Mercantil's Data Management Manager

Source: Bruce Clavey, IBM Linux Integration Centre, white paper describing the Banco Mercantil engagement

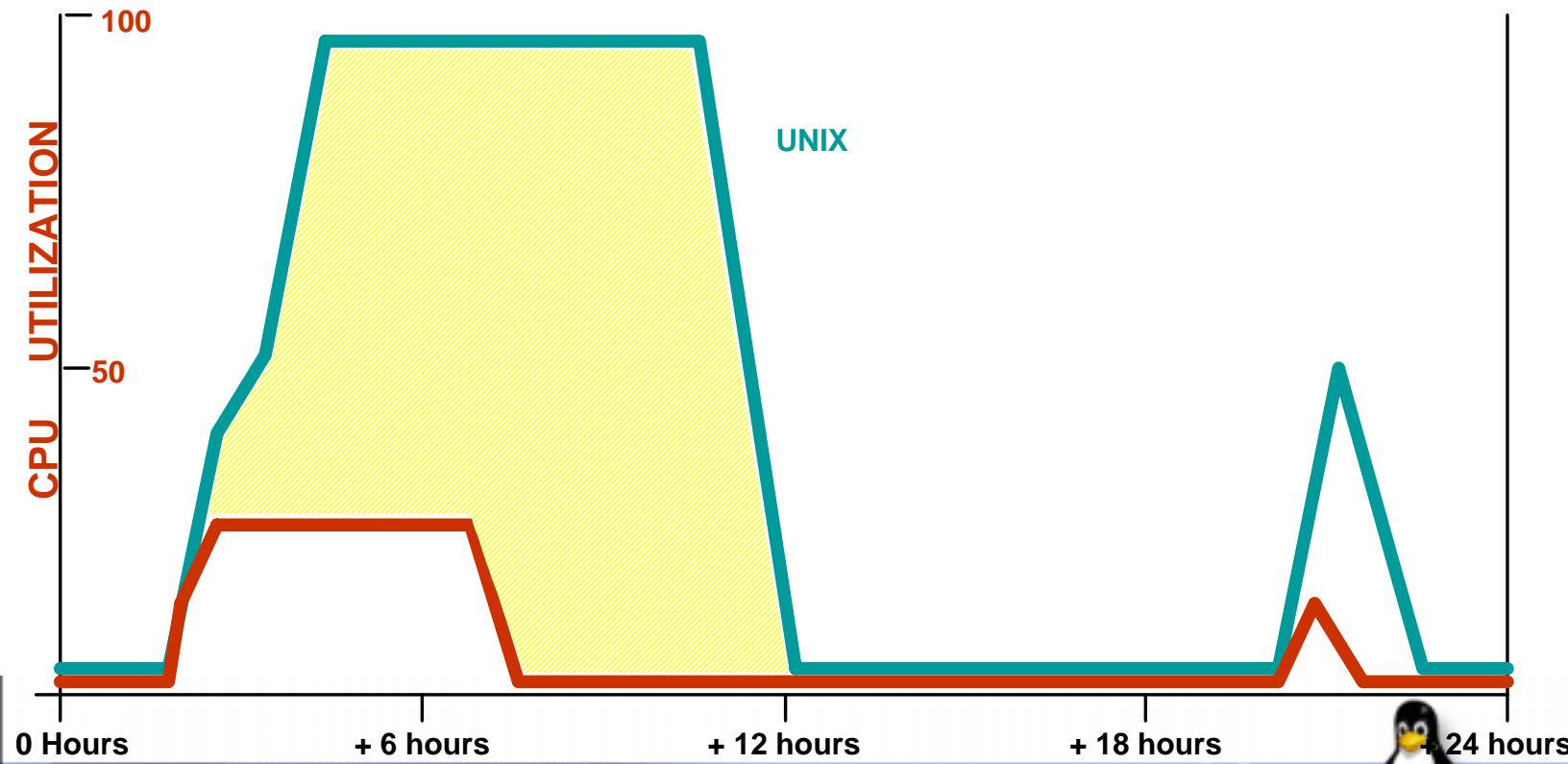


SAP R/3 RETAIL / zSeries



SAP R/3 RETAIL / zSeries

CPU Utilization - Unix vs zLinux Middle tier



IBM Linux Support Investments



Unstoppable Linux



LINUX is Pervasive



<http://www.ibm.com/linux/>

ଶୁକ୍ରିୟା

תודה רבה
Hebrew

Merci
French

Спасибо
Russian



Gracias
Spanish

شكرا
Arabic

Grazie
Italian

Obrigado
Portuguese

Carol Stafford
IBM Vice President, Linux

Danke
German

謝謝
Traditional Chinese

Thank You
English

고맙습니다
Korean

谢谢
Simplified Chinese

தேவையு
Tamil

ขอบคุณ
Thai

ありがとうございます
Japanese

