Linux en el entorno empresarial

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¿Qué es y cómo es Unix?

- sistema operativo
- producto de investigación
- bases teóricas
- soporte de redes nativo
  - TCP/IP
- Plataforma de desarrollo de Internet
- variantes
  - -Sistema V
  - -BSD
  - -Solaris
  - -Linux

¿Qué es y cómo es Linux?

Linux is a free Unix-type operating system originally created by Linus Torvalds with the assistance of developers around the world. Developed under the GNU General Public License , the source code for Linux is freely available to everyone.

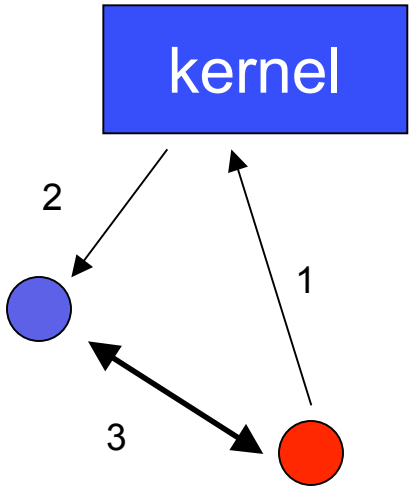
…the operating system that is causing a revolution in the world of computers.

Característica principal de Linux

- Gratis
- Código fuente disponible
- Todas las versiones usan el mismo kernel
- Distribuciones
  - Red Hat
  - SUSE
  - Debian
  - Mandrake

Linux como sistema operativo

- Concepo del kernel
  - procesos
- Memoria virtual
- Redes
  - LAN
  - WAN
    - Internet
- Portable
  - sistema operativo
  - aplicaciones



Linux como sistema operativo

- Plataformas de hardware
  - Intel
    - RedHat
    - SUSE
    - Debian
  - SPARC
    - Solaris
  - Power PC
    - AIX
    - MacOS X
  - DEC Alhpa

¿Confiable para su uso empresarial?

- Sólido
  - estructura
- Más de 20 años de experiencia
  - Unix/Linux
- Seguro
  - tan seguro como se desee

¿Confiable para su uso empresarial?

IBM nurtures Linux

MONDAY , 11 AUGUST 2003
By TOM PULLAR-STRECKER
The woman who heads IBM's public sector Linux business says the company could mount a drive to help governments replace Microsoft desktop computer software with the Unix-like open source operating system.

Dell to build fastest Linux supercomputer

SuSE Linux earns security clearance

By Stephen Shankland
CNET News.com
August 5, 2003, 6:11 AM PT
Software seller SuSE Linux and server maker IBM have obtained a crucial security certification that will make the Linux operating system an option for demanding military and government customers, the companies announced Tuesday.

¿Confiable para su uso empresarial?

Linux trails Windows XP slightly in usability: Study

By Matthew Broersma , Special to CNETAsia
Thursday, August 7 2003 9:40 AM

Linux is only marginally more difficult for users to learn compared with Windows XP, according to a study carried out by German usability testing agency.

Oracle's Infrastructure Now Fully Linux - ized

Information Week - 7 Aug 2003

Oracle is aggressively adopting Linux both internally and for its products, despite SCO Group's threats earlier this week that it may sue those who don't pay ...

Aplicaciones

- Soporte
  - Star Office

- Redes
  - soporte nativo
  - utilitarios
  - servidor/cliente
  - LAN/WAN
    - e-mail
    - WWW
    - acceso remoto
    - administración remota

Aplicaciones

- Bases de datos
  - Oracle
  - DB2
  - mySQL
- Administrativas
- Juegos…
  - es un sistema serio…

Aplicaciones

- Accesible
  - cualquier plataformas
  - con clientes
  - con servidores

Costo

- Sistema operativo
  - sin costo alguno

- Redes
  - nativo
  - sin costo

- Aplicaciones
  - sin costo
  - con costo

¿Perspectivas el desarrollo de Linux en el futuro?

•Fuentes de información

Linux "es obsoleto"

Andy Tanenbaum dijo eso del desarrollo hecho por su alumno Torvalds. Hoy es el número 2 del mundo.

Sección Viva, La Nación, 11 de agosto, 2003

Andy Tanenbaum

En peligro futuro de Linux

Abstracto: El futuro del sistema operativo para computadoras personales y servidores de Internet, Linux, corre peligro después de que SCO Group envió 1.500 cartas a las empresas más grandes del mundo en las que amenaza con demandarlas por utilizar dicho software.

Periódico La República - Fecha Publicación: 02/07/2003

¿Perspectivas el desarrollo de Linux en el futuro?

Linux, Microsoft face off in India

By Reuters
August 11, 2003, 11:25 AM PT

Vijay Shekhar, who runs a small business that uses India's booming cell phone networks to send cricket scores to fans, feared that relying on inexpensive Linux software could cause problems.

·…which costs only a tenth of the competing $8,703 (400,000 rupees) Windows package from Microsoft.

·…About 10 percent of India's personal computers will be sold with Linux rather than Microsoft OSes by March 2004, says Linux distributor Red Hat--up from zero this past January.

¿Perspectivas el desarrollo de Linux en el futuro?

Linux, Microsoft face off in India

By Reuters
August 11, 2003, 11:25 AM PT

And analysts say a bigger worry for Microsoft is the growing use of Linux among India's pool of an estimated 400,000 software developers, many of whom churn out code for giants such as General Motors and American Express.

India now has 60 percent of the offshore information-technology services market, which consultant Gartner estimates is worth $16 billion.

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now has a market share of about 20 percent of servers--the workhorse computers that feed data such as Web sites and e-mail to desktop PCs.

¿Perspectivas el desarrollo de Linux en el futuro?

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By Reuters
August 11, 2003, 11:25 AM PT

Linux already drives India's National Stock Exchange, where day-traders have taken the top slot from the Bombay Exchange. Linux is also the favorite of the national agency making supercomputers and of Bombay's Breach Candy Hospital

¿Perspectivas el desarrollo de Linux en el futuro?

Linux ‘not ready’ for enterprise IT

Rodney Gedda, Computerworld
12/08/2003 09:07:51

Although agreeable to Whyte’s argument of low vendor support, Mark Suter, systems administrator with Miju Systems, said Linux does offer enterprises the benefits of flexibility over commercial software.

“By using Linux we are able to do exactly what we want in a solution,” Suter said. “With commercial software, enterprises are limited by the vendor in what they can use.”

Suter said it is only a matter of time before Linux becomes a mainstream option for central business IT. .

¿Perspectivas el desarrollo de Linux en el futuro?

Challenge to school software

The New Zeleand Herald
12.08.2003
By RICHARD WOOD

A Christchurch firm is to challenge Microsoft by targeting school desktop computers with free software.

Smart Computer Systems is at the forefront of introducing open source software-based servers into school IT back rooms.

Manager Stephen Fergusson claims a foothold of around 8 per cent of the school market, or 160 installations, for its Smart-Net Linux server.

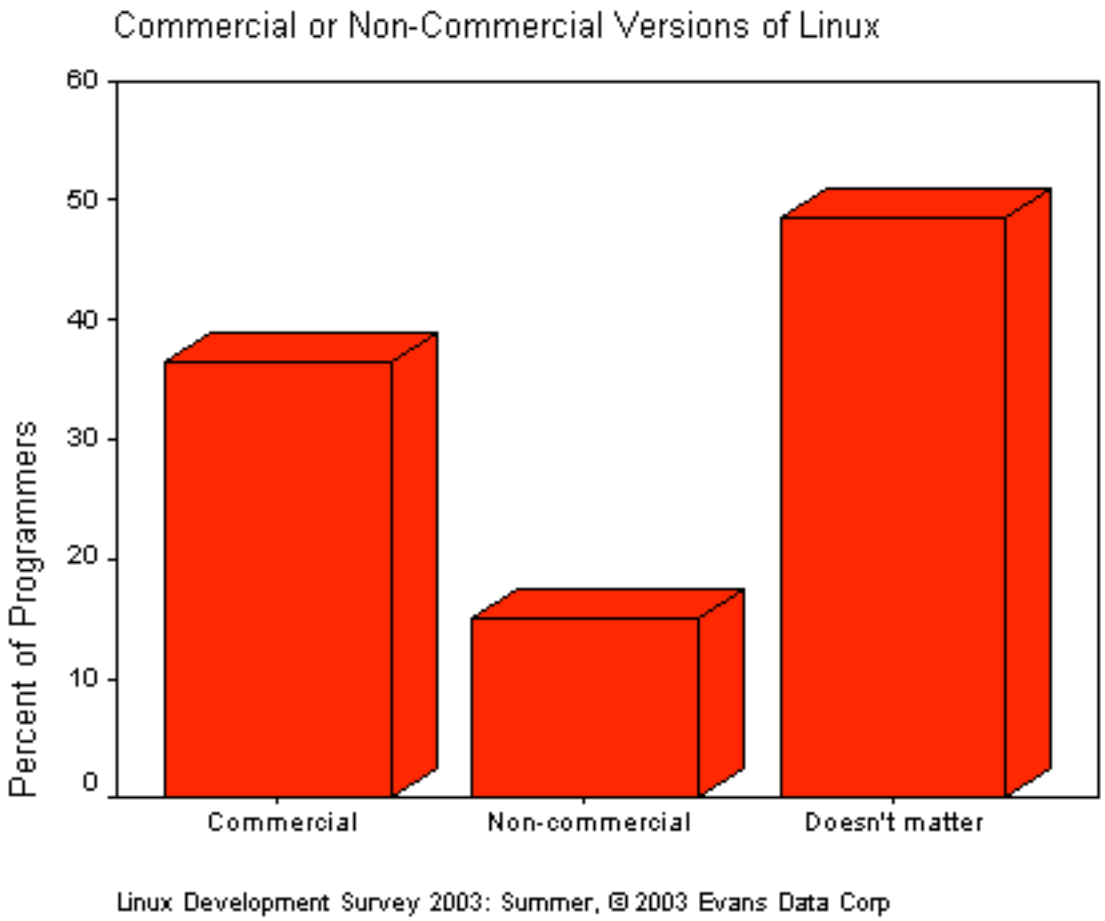
¿Perspectivas el desarrollo de Linux en el futuro?

Apple doubles XServe sales

Paul Thurrott, Windows & .NET magazine
Monday, 11 August 2003

Apple recently registered its largest sale ever of XServe servers (probably for a wide margin) when the company sold 260 of the devices to the US Navy. Not bad for a company that doesn't get a lot of government contracts, eh? Well, there's a catch: The Navy will use the servers to run Linux--not Mac OS X--as part of a sonar imaging system. Gosh, this news is like announcing a huge Linux licensing deal, say with a city in Germany, then admitting that most of the machines will run Windows and Windows applications in a virtual machine emulator. Nah, that would never happen.

¿Perspectivas el desarrollo de Linux en el futuro?



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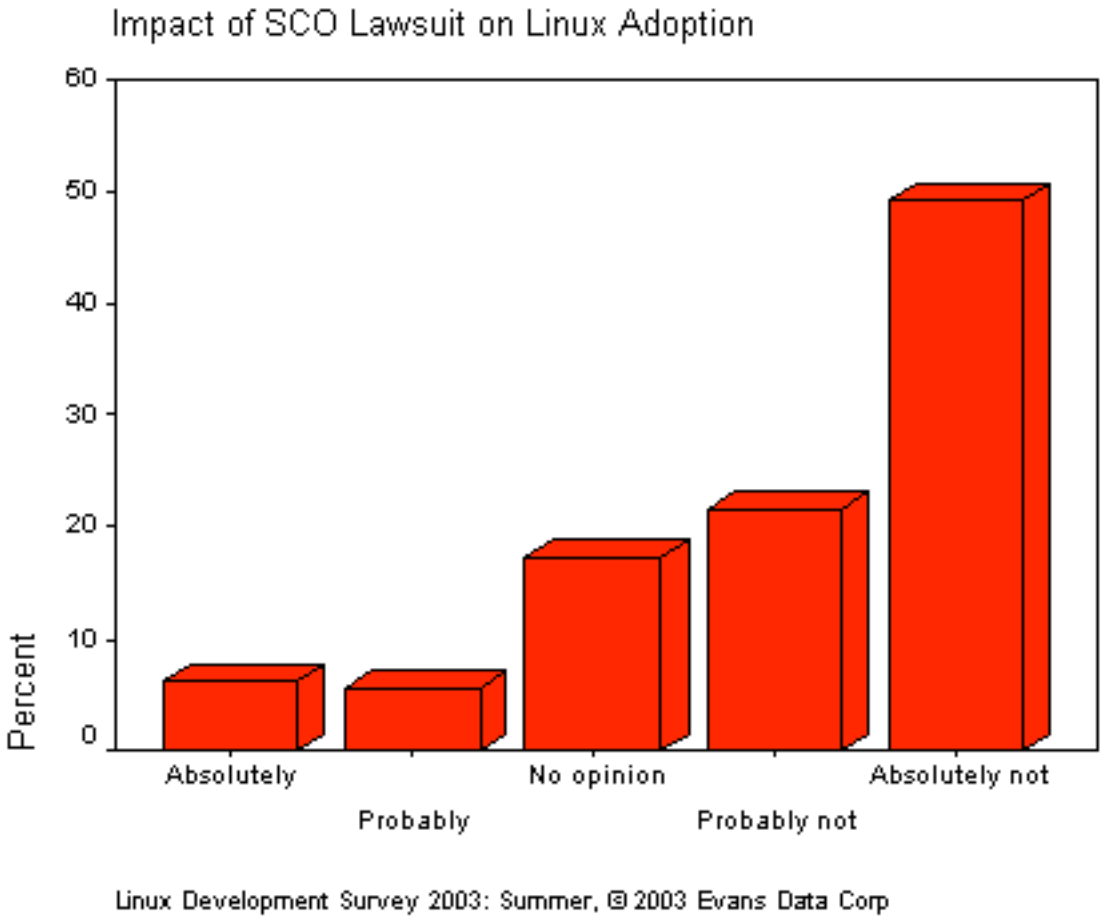
¿Perspectivas el desarrollo de Linux en el futuro?



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¿Soporte de Linux en el mercado local?

- Universidades
- Mercado
- Costo
  - actual
  - futuro

Conclusiones

- Linux es un sistema operativo estable
- Empresas apoyan Linux

IBM	HP	DELL
DEC	Apple	SUN

- Aplicaciones existen
- Base instalada crece

Conclusiones

- You can install the software on as many machines as you want.
- Any number of people may use the software at one time.
- You can make as many copies of the software as you want and give them to whomever you want (free or open redistribution).
- There are no restrictions on modifying the software (except for keeping certain notices intact).
- There is no restriction on distributing, or even selling, the software.