



Instalación de Linux

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Instalacion

- La instalación de Linux Fedora Core consiste en los siguientes pasos:
 - Selección de idiomas
 - Particionamiento
 - Red
 - Seguridad
 - Paquetes

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Requisitos previos a la instalación

- Verificar si el hardware es compatible
 - Cada distribución dispone en su sitio web de una lista de hardware de compatibilidad
 - Ej.: <http://hardware.redhat.com/hcl/>
- Saber para que se va a usar el Sistema Operativo (servidor, escritorio, etc.)
- Saber si se va a instalar otro S.O. y las consideraciones respectivas

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Requisitos previos a la instalación

- Conocer la configuración de red que existe donde funcionará el Sistema Operativo
- Conocer los servicios que debe brindar el Sistema Operativo
- Tener todos los dispositivos de instalación preparados y en buenas condiciones

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Keyboard Configuration

Choose the layout type for the keyboard (for example, U.S. English) that you would like to use for the system.

Select the appropriate keyboard for the system.

- Russian (Microsoft)
- Russian (ru1)
- Russian (ru2)
- Russian (win)
- Slovakian
- Slovenian
- Spanish
- Swedish
- Swiss French
- Swiss French (latin1)
- Swiss German
- Swiss German (latin1)
- Tamil (Inscript)
- Tamil (Typewriter)
- Turkish
- Ukrainian
- United Kingdom
- U.S. English
- U.S. International

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Installation Type

Choose the type of installation that best meets your needs.

An installation destroys any previously saved information on the selected partitions.

For more information concerning the differences among these installation classes, refer to the product documentation.

- Personal Desktop**
Perfect for personal computers or laptops, select this installation type to install a graphical desktop environment and create a system ideal for home or desktop use.
- Workstation**
This option installs a graphical desktop environment with tools for software development and system administration.
- Server**
Select this installation type if you would like to set up file sharing, print sharing, and Web services. Additional services can also be enabled, and you can choose whether or not to install a graphical environment.
- Custom**
Select this installation type to gain complete control over the installation process, including software package selection and partitioning.

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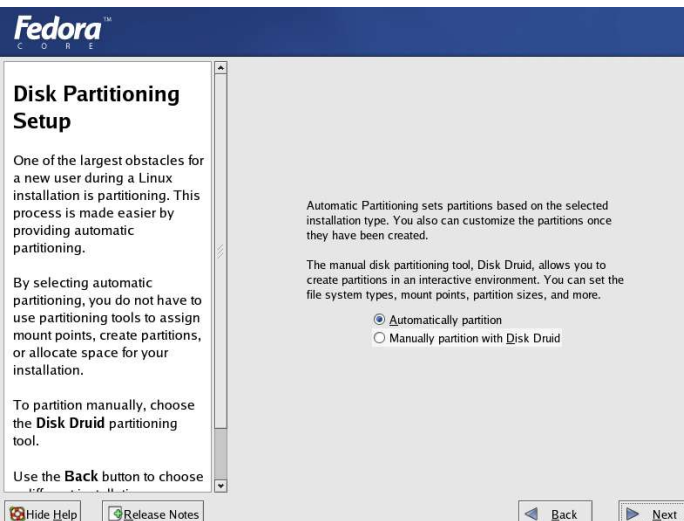
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Particionado del disco

- Linux para funcionar necesita de al menos dos particiones:
 - Una partición para los datos del sistema operativo
 - Una partición para la memoria de intercambio (SWAP)
- Adicionalmente se pueden asignar diferentes particiones a puntos claves del sistema de archivo.

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Automatic Partitioning

Automatic partitioning allows you to have some control concerning what data is removed (if any) from your system.

To remove only Linux partitions (partitions created from a previous Linux installation), select **Remove all Linux partitions on this system**.

To remove all partitions on your hard drive(s) (this includes partitions created by other operating systems such as Windows 95/98/NT/2000), select **Remove all partitions on this system**.

Before automatic partitioning can be set up by the installation program, you must choose how to use the space on your hard drives.

I want to have automatic partitioning:

- Remove all Linux partitions on this system
- Remove all partitions on this system
- Keep all partitions and use existing free space

Select the drive(s) to use for this installation:

hda 19077 MB IBM-DJSA-220

Review (and modify if needed) the partitions created

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Disk Setup

Choose where you would like Fedora Core to be installed.

If you do not know how to partition your system or if you need help with using the manual partitioning tools, refer to the product documentation.

If you used automatic partitioning, you can either accept the current partition settings (click **Next**), or modify the setup using the manual partitioning tool.

If you are manually partitioning your system, you can see your current hard drive(s) and partitions displayed below. Use the partitioning tool to add, edit,

Drive /dev/hda (19077 MB) (Model: IBM-DJSA-220)

hda2
18975 MB

Device	Mount Point/RAID/Volume	Type	Format	Size (MB)	Start	End
LVM Volume Groups						
VolGroup00						
LogVol00	/	ext3	✓	18400		
LogVol01		swap	✓	512		
Hard Drives						
/dev/hda						
/dev/hda1	/boot	ext3	✓	102	1	13
/dev/hda2	VolGroup00	LVM PV	✓	18975	14	2432

Hide RAID device/LVM Volume Group members

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Boot Loader Configuration

The GRUB boot loader will be installed on /dev/hda. [Change boot loader](#)

You can configure the boot loader to boot other operating systems. It will allow you to select an operating system to boot from the list. To add additional operating systems, which are not automatically detected, click 'Add.' To change the operating system booted by default, select 'Default' by the desired operating system.

Default	Label	Device	
<input checked="" type="checkbox"/>	Fedora Core	/dev/VolGroup00/LogVol00	Add Edit Delete

A boot loader password prevents users from changing options passed to the kernel. For greater system security, it is recommended that you set a password.

Use a boot loader password [Change password](#)

Configure advanced boot loader options

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Network Configuration

Any network devices you have on the system are automatically detected by the installation program and shown in the **Network Devices** list.

To configure the network device, first select the device and then click **Edit**. In the **Edit Interface** screen, you can choose to have the IP and Netmask information configured by DHCP or you can enter it manually. You can also choose to make the device active at boot time.

If you do not have DHCP client access or are unsure as to

Network Devices

Active on Boot	Device	IP/Netmask	
<input checked="" type="checkbox"/>	eth0	DHCP	Edit

Hostname

Set the hostname:

automatically via DHCP

manually (ex. "host.domain.com")

Miscellaneous Settings

Gateway:

Primary DNS:

Secondary DNS:

Tertiary DNS:

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Firewall Configuration

A firewall sits between your computer and the network, and determines which resources on your computer remote users on the network are able to access. A properly configured firewall can greatly increase the out-of-the-box security of your system.

Choose the appropriate security level for your system.

No Firewall — No firewall provides complete access to your system and does no security checking. Security checking is the disabling of access to certain services. This should only be selected if you

A firewall can help prevent unauthorized access to your computer from the outside world. Would you like to enable a firewall?

No firewall
 Enable firewall

You can use a firewall to allow access to specific services on your computer from other computers. Which services, if any, do you wish to allow access to?

Remote Login (SSH)
 Web Server (HTTP, HTTPS)
 File Transfer (FTP)
 Mail Server (SMTP)

Security Enhanced Linux (SELinux) provides finer-grained security controls than those available in a traditional Linux system. It can be set up in a disabled state, a state which only warns about things which would be denied, or a fully active state.

Enable SELinux?: Active

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Additional Language Support

Select a language to use as the default language. The default language is the language used on the system once installation is complete. If you choose to install other languages, it is possible to change the default language after the installation.

The installation program can install and support several languages. To use more than one language on your system, choose specific languages to be installed, or select all languages to have all available languages installed on the system.

Select the default language for the system: English (USA)

Select additional languages to install on the system:

English (Great Britain)
 English (Hong Kong)
 English (India)
 English (Ireland)
 English (New Zealand)
 English (Philippines)
 English (Singapore)
 English (South Africa)
 English (USA)
 English (Zimbabwe)
 Estonian
 Faroese (Faro Islands)
 Finnish
 French (Belgium)
 French (Canada)
 French (France)
 French (Luxemburg)

Select All
Select Default Only
Reset

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Time Zone Selection

Set your time zone by selecting your computer's physical location.

On the interactive map, click on a specific city (marked by a yellow dot) and a red X appears indicating your selection.

You can also scroll through the list of locations to select your desired time zone.

You can also select the **System Clock uses UTC** option. (UTC, or Coordinated Universal Time, allows your system to properly handle

Please select the nearest city in your timezone:



Location	Description
America/Nassau	
America/New_York	Eastern Time
America/Nipigon	Eastern Time - Ontario & Quebec - places th

System clock uses UTC

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Set Root Password

Use the root account *only* for administration. Once the installation has been completed, create a non-root account for your general use and `su -` to gain root access when you need to fix something quickly. These basic rules minimize the chances of a typo or incorrect command doing damage to your system.

The root account is used for administering the system. Enter a password for the root user.

Root Password:

Confirm:

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Package Group Selection

Select the package (application) groups that you want to install. To select a package group, click on the check box beside it.

Once a package group has been selected, click on **Details** to view which packages are installed by default and to add or remove optional packages from that group.

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Desktops

- X Window System** [37/41] [Details](#)
Install this group of packages to use the base graphical (X) user interface.
- GNOME Desktop Environment** [40/44] [Details](#)
GNOME is a powerful, graphical user interface which includes a panel, desktop, system icons, and a graphical file manager.
- KDE (K Desktop Environment)** [0/14]
KDE is a powerful, graphical user interface which includes a panel, desktop, system icons, and a graphical file manager.
- XFCE** [0/15]
A lightweight desktop environment that works well on low end machines.

Applications

- Editors** [0/6]
Sometimes called text editors, these are programs that allow you to create and edit files. These include Emacs and Vi.

Total install size: 2,371M

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About to Install

Caution: Once you click **Next**, the installation program begins writing the operating system to the hard drive(s). This process cannot be undone. If you have decided not to continue with this installation, this is the last point at which you can safely abort the installation process.

To abort this installation, press your computer's **Reset** button or reset using **Control-Alt-Delete**, and then remove the installation media between the unmounting and reboot screen messages.

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Click next to begin installation of Fedora Core.

A complete log of the installation can be found in the file `'/root/install.log'` after rebooting your system.

A kickstart file containing the installation options selected can be found in the file `'/root/anaconda-ks.cfg'` after rebooting the system.

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About to Install

Caution: Once you click **Next**, the installation program begins writing the operating system to the hard drive(s). This process cannot be undone. If you decided not to continue with the installation, this is the last chance you can safely abort the installation process.

To abort this installation, press your computer's Reset button using **Control-Alt-Delete** and then remove the installation media between the unmounting and reboot screen messages.

Required Install Media

The software you have selected to install will require the following CDs:

- Fedora Core 3 CD #1
- Fedora Core 3 CD #2

Please have these ready before proceeding with the installation. If you need to abort the installation and reboot, please select "Reboot".

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Installing Packages

We have gathered all the information needed to install Fedora Core on the system. It may take a while to install everything, depending on how many packages need to be installed.

Formatting / file system...

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Installing Packages

We have gathered all the information needed to install Fedora Core on the system. It may take a while to install everything, depending on how many packages need to be installed.

Remaining time: 20 minutes

Installing libgnomeui-2.8.0-1.i386 (2 MB)
GNOME base GUI library

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Installing Packages

We have gathered all the information needed to install Fedora Core on the system. It may take a while to install everything, depending on how many packages need to be installed.

Performing post install configuration...

Installing desktop-printing-0.17-3.i386 (308 KB)
Nautilus desktop print icon

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Fedora
C O R E

Congratulations, the installation is complete.

Remove any installation media (diskettes or CD-ROMs) used during the installation process and press the "Reboot" button to reboot your system.


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Preguntas



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Práctica en el Laboratorio

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 - Instalación de Linux



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