

Centro Controllo Mageia

Lo strumento per configurare Mageia



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Centro Controllo Mageia

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1. About the Manual for the Mageia Control Center

The Mageia Control Center (MCC) has eight different options or tabs to choose from in the left column, and even ten if the drakwizard package was installed. Each of these tabs gives a different set of tools that can be selected in the big right panel.

I dieci capitoli successivi sono relativi a quelle dieci opzioni e ai relativi strumenti.

The last chapter is about some other Mageia tools, that cannot be chosen in any of the MCC tabs.

The titles of the pages will often be the same as the titles of the tool screens.

There is also a search bar available, which you can access by clicking on the "Search" tab in the left column.

2. Gestione software

In this screen you can choose between several tools for software management. Click on a link below to learn more.

Gestione software

1. [Sezione 2.1, «Software Management \(Install and Remove Software\)»](#)
2. [Sezione 2.2, «Aggiornamento pacchetti software»](#) = *Aggiorna il tuo sistema*
3. [Sezione 2.3, «Configura la frequenza degli aggiornamenti»](#)
4. [Sezione 2.4, «Configure Media»](#) = *Configure media sources for install and update*

2.1. Software Management (Install and Remove Software)

rpmrake

2.1.1. Introduzione ad rpmrake

This tool¹, also known as drakrpm, is a program for installing, uninstalling and updating packages. It is the graphical user interface of URPMI. At each start up, it will check online package lists (called 'media') downloaded straight from Mageia's official servers, and will show you each time the latest applications and packages available for your computer. A filter system allows you to display only certain types of packages: you may display only installed applications (by default), or only available updates. You can also view only not installed packages. You can also search by the name of a package, or in the summaries of descriptions or in the full descriptions of packages or in the file names included in the packages.

Per funzionare, rpmrake necessita della configurazione dei repositories con [Sezione 2.4, «Configure Media»](#)



During the installation, the configured repository is the medium used for the installation, generally the DVD or CD. If you keep this medium, rpmrake will ask it each time you want to install a package, with this pop-up window :

If the above message annoys you and you have a good internet connection without too strict download limit, it is wise to remove that medium and replace it by online repositories thanks to [Sezione 2.4, «Configure Media»](#) .

¹Puoi avviare questo strumento dalla riga di comando digitando **rpmrake** come root.

Moreover, the online repositories are always up to date, contains much more packages, and allow to update your installed packages.

2.1.2. La parte principale dello schermo

1. Filtro per tipo pacchetto:

Questo filtro ti consente di visualizzare solo alcuni tipi di pacchetto. La prima volta che avvi il gestore questo mostrerà solamente le applicazioni con una interfaccia grafica. Puoi visualizzare sia tutti i pacchetti che tutte le loro dipendenze e librerie o solo gruppi di pacchetti come le sole applicazioni, i soli aggiornamenti o pacchetti backported da versioni più recenti di Mageia.



The default filter setting is for new entrants to Linux or Mageia, who probably do not want command line or specialist tools. Since you're reading this documentation, you're obviously interested in improving your knowledge of Mageia, so it is best to set this filter to "All".

2. Package state filter:

This filter allows you to view only the installed packages, only the packages that are not installed or all of the packages, both installed and not installed.

3. Modalità di ricerca:

Fare clic su questa icona per cercare attraverso i nomi dei pacchetti, attraverso le loro sintesi, attraverso la loro descrizione completa o attraverso i file inclusi nei pacchetti.

4. "Find" box:

Enter here one or more key words. If you want to use more than one keyword for searching use '|' between keywords, e.g. To search for "mplayer" and "xine" at the same time type 'mplayer | xine'.

5. Erase all:

Questa icona può cancellare in un solo click tutte le parole chiave inserite nel campo "Cerca".

6. Categories list:


This side bar groups all applications and packages into clear categories and sub categories.

7. Pannello di descrizione:

This panel displays the package's name, its summary and complete description. It displays many useful elements about the selected package. It can also show precise details about the package, the files included in the package as well as a list of the last changes made by the maintainer.

2.1.3. La colonna di stato

Once you correctly set the filters, you can find your software either by category (in area 6 above) or by name/summary/description using area 4. A list of packages fulfilling your query and, don't forget, the chosen medium is shown with different status markers according to whether each package is installed/not installed/an update... To change this status, just check or uncheck the box before the package name and click on Apply.

Icona	Legenda
	Il pacchetto è già installato





Icona	Legenda
	Il pacchetto sarà installato
	Il pacchetto non può essere modificato
	Il pacchetto è un aggiornamento
	Il pacchetto sarà disinstallato

Tabella 1.

Esempi nello screenshot qui sopra:

- If I uncheck digikam (the green arrow tell us it is installed), the status icon will go red with an up arrow and it will be uninstalled when clicking on Apply.
- If I check qdigidoc (which is not installed, see the status), the orange with a down arrow status icon will appear and it will be installed when clicking on Apply.

2.1.4. Le dipendenze

Some packages need other packages called dependencies in order to work. They are for example libraries or tools. In this case, Rpmdrake displays an information window allowing you to choose whether to accept the selected dependencies, cancel the operation or get more information (see above). It may also happen that various packages are able to provide the needed library, in which case rpmdrake displays the list of alternatives with a button to get more information and another button to choose which package to install.

2.2. Aggiornamento pacchetti software

MageiaUpdate o drakrpm-update

This tool² is present in the Mageia Control Center under the tab **Software management**.



To work, MageiaUpdate needs the repositories to be configured with drakrpm-editmedia with some media checked as updates. If they are not, you are prompted to do so.

As soon as this tool is launched, it scans the installed packages and lists those with an update available in the repositories. They are all selected by default to be automatically downloaded and installed. Click on the Update button to start the process.

By clicking on a package, more information is displayed in the lower half of the window. The print > before a title means you can click to drop down a text.

²You can start this tool from the command line, by typing **MageiaUpdate** or **drakrpm-update** as root.



When updates are available, an applet in the system tray warns you by displaying this red icon . Just click and enter the user password to update the system alike.

2.3. Configura la frequenza degli aggiornamenti

`mgaapplet-config`

This tool³ is present in the Mageia Control Center under the tab **Software management**. It is also available by a right click / Updates configuration on the red icon in the system tray.

The first slider allows you to change how frequently Mageia will check for updates and the second the delay after booting before the first check. The check box gives you the option to be warned when a new Mageia release is out.

2.4. Configure Media

`drakrpm-edit-media`



First thing to do after an install is to add software sources (also known as repositories, media, mirrors). That means you must select the media sources to be used to install and update packages and applications. (see Add button below).



If you install (or upgrade) Mageia using an optical media (DVD or CD) or a USB device, there will be a software source configured to the optical media used. To avoid being asked to insert the media when you install new packages, you should disable (or delete) this media. (It will have the media type CD-Rom).



Your system is running under an architecture which may be 32-bit (called i586), or 64-bit (called x86_64). Some packages are independent of whether your system is 32-bit or 64-bit; these are called noarch packages. They don't have their own noarch directories on the mirrors, but are all in both the i586 and the x86_64 media.

This tool is present in the Mageia Control Center under the tab **Software management**.⁴

2.4.1. Le colonne

Column Enable:

The checked media will be used to install new packages. Be cautious with some media such as Testing and Debug, they could make your system unusable.

Column Update:

The checked media will be used to update packages, it must be enabled. Only media with "Update" in its name should be selected. For security reasons, this column isn't modifiable in this tool, you must open a console as root and type **drakrpm-edit-media --expert**.

³You can start this tool from the command line, by typing **mgaapplet-config** as root.

⁴You can start this tool from the command line, by typing **drakrpm-edit-media** as root.

Column medium:

Mostra il nome del media. I repository ufficiali di Mageia per la versione finale contengono almeno:

- **Core** che contiene per la maggior parte programmi supportati da Mageia.
- **Nonfree** che contiene alcuni software proprietari
- **Tainted** free software for which there might be patent claims in some countries.

Each medium has 4 sub-sections:

- **Release** the packages as of the day the this version of Mageia was released.
- **Updates** the packages updated since release due to security or bug concerns. Everyone should have this medium enabled, even with a very slow internet connection.
- **Backports** some packages of new versions backported from Cauldron (the next version under development).
- **Testing** which is used for temporary tests of new updates, to allow the bug reporters and the QA team to validate the corrections.

2.4.2. Il bottone sulla destra

Rimuovi:

To remove a medium, click on it and then on this button. It is wise to remove the medium used for the installation (CD or DVD for example) since all the packages it contains are in the official Core release medium.

Modifica:

Allows you to modify the selected medium settings, (URL, downloader and proxy).

Aggiungi:

Add the official repositories available on the Internet. These repositories contain only safe and well tested software. Clicking on the "Add" button adds the mirrorlist to your configuration, it is designed to make sure that you install and update from a mirror close to you. If you prefer to choose a specific mirror, then add it by choosing "Add a specific media mirror" from the drop-down "File" menu.

Up and down arrows:

Change the list order. When Drakrpm looks for a package, it reads the list in the displayed order and will install the first package found for the same release number - in the event of a version mismatch, the latest release will be installed. So if possible, put the fastest repositories at the top.

2.4.3. Il menu

File -> Aggiorna:

A window pops up with the media list. Select the ones you want to update and click on the Update button.

File -> Add a specific media mirror:

Suppose you aren't happy with the actual mirror, because for example it's too slow or often unavailable, you can choose another mirror. Select all the actual media and click on Remove to take them out. Click on File -> Add a specific media mirror, choose between update only or the full set (if you do not know, choose the Full set of sources) and accept the contact by clicking on Yes. This window opens:

You can see, on the left, a list of countries, choose yours or one very close by clicking on the > symbol, this will display all the available mirrors in that country. Select one and click on OK.

File -> Aggiungi un media personalizzato:

E' possibile installare un nuovo media (da una terza fonte per esempio) che non è supportato da Mageia. Una nuova finestra apparirà:

Select the medium type, find a smart name that well define the medium and give the URL (or the path, according to the medium type)

Opzioni -> Opzioni globali:

This item allows you to choose when to "Verify RPMs to be installed" (always or never), the download program (curl, wget or aria2) and to define the download policy for information about the packages (on demand -by default-, update only, always or never).

Opzioni -> Gestisci chiavi:

To guarantee a high level of security, digital keys are used to authenticate the media. It is possible for each medium to allow or disallow a key. In the window that appear, select a medium and then click on Add to allow a new key or to select a key and click on Remove to disallow that key.



Fai questo con cura, come faresti con tutte le domande relative alla sicurezza.

Opzioni -> Proxy:

If you need to use a proxy server for internet access, you can configure it here. You only need to give the Proxy hostname and if necessary a Username and Password.

For more information about configuring the media, see [the Mageia Wiki page](https://wiki.mageia.org/en/Software_management) [https://wiki.mageia.org/en/Software_management].

3. Condivisione

This screen and the one for *Network Services* are only visible if the *drakwizard* package is installed. You can choose between several tools to set up different servers. Click on a link below or on [Sezione 4, «Servizi di rete»](#) to learn more.

Condivisione

1. [Sezione 3.1, «Configura server FTP»](#)
2. [Sezione 3.2, «Configura il server web»](#)

3.1. Configura server FTP

drakwizard proftpd

This tool⁵ can help you to set up an FTP server.

3.1.1. What is FTP?

File Transfer Protocol (FTP) is a standard network protocol used to transfer files from one host to another host over a TCP-based network, such as the Internet. (From Wikipedia)

⁵You can start this tool from the command line, by typing **drakwizard proftpd** as root.

3.1.2. Imposta un server FTP con darkwizard proftpd

Welcome to the FTP wizard. Buckle up.

1. Introduzione

La prima pagina è solo un'introduzione, premi Avanti.

2. Selecting Server Exposer: Local Net and/or World

Exposing the FTP server to the Internet has it's risks. Be ready for bad things.

3. Informazioni del server

Enter name the sever will use to introduce itself, someone to email complaints too and whether to allow root login access.

4. Opzioni del server

Set listening port, jailed user, allow resumes and/or FXP (File eXchange Protocol)

5. Sommario

Take a second to check these options, then click Next.

6. Finisci

You're done! Click Finish.

3.2. Configura il server web

drakwizard apache2

This tool⁶ can help you to set up a web server.

3.2.1. Cos'è un server web?

Web server is the software that helps to deliver web content that can be accessed through the Internet. (From Wikipedia)

3.2.2. Impostando un web server con drakwizard apache2

Welcome to the web server wizard.

1. Introduzione

La prima pagina è solo un'introduzione, premi Avanti.

2. Selecting Server Exposer: Local Net and/or World

Exposing the web server to the Internet has it's risks. Be ready for bad things.

⁶You can start this tool from the command line, by typing **drakwizard apache2** as root.

3. **Server User Module**

Permetti agli utenti di creare i propri siti.

4. **User web directory name**

The user needs to create and populate this directory, then the server will display it.

5. **Server Document Root**

Allows you to configure the path to the web servers default documents.

6. **Sommario**

Take a second to check these options, then click Next.

7. **Finisci**

You're done! Click Finish.

4. *Servizi di rete*

This screen and the one for *Sharing* are only visible if the *drakwizard* package is installed. You can choose between several tools to set up different servers. Click on a link below or on [Sezione 3, «Condivisione»](#) to learn more.

Servizi di rete

1. [Sezione 4.1, «Configura server DHCP»](#)
2. [Sezione 4.2, «Configura DNS»](#)
3. [Sezione 4.3, «Configura server proxy»](#)
4. [Sezione 4.4, «Configura time server»](#)
5. [Sezione 4.5, «Configurazione del demone OpenSSH»](#)

4.1. *Configura server DHCP*

drakwizard dhcp



This tool is broken in Mageia 4 because of new naming scheme for the Net interfaces

This tool⁷ can help you to set up a DHCP server. It is a component of drakwizard which should be installed before you can access to it.

⁷You can start this tool from the command line, by typing **drakwizard dhcp** as root.

4.1.1. Cos'è DHCP?

The Dynamic Host Configuration Protocol (DHCP) is a standardized networking protocol used on IP networks that dynamically configures IP addresses and other information that is needed for Internet communication. (From Wikipedia)

4.1.2. Impostando un server DHCP con drakwizard dhcp

Welcome to the DHCP server wizard.

1. Introduzione

La prima pagina è solo un'introduzione, premi Avanti.

2. Selecting Adaptor

Choose the network interface, which is connected to the subnet, and for which DHCP will assign IP addresses, and then click Next.

3. Select IP range

Select the beginning and ending IP addresses of the range of IPs you want the server to offer, along with the IP of the gateway machine connecting to some place outside the local network, hopefully close to the Internet, then click Next.

4. Sommario

Take a second to check these options, then click Next.

5. Hold on...

This can be fixed. Click Previous a few times and change things around.

6. Ore più tardi...

4.1.3. Cos'è stato fatto

- Installare il pacchetto dhcp-server se necessario;
- Saving `/etc/dhcpd.conf` in `/etc/dhcpd.conf.orig`;
- Creating a new `dhcpd.conf` starting from `/usr/share/wizards/dhcp_wizard/scripts/dhcpd.conf.default` and adding the new parameters:
 - `hname`
 - `dns`
 - `net`
 - `ip`
 - `maschera`
 - `rng1`
 - `rng2`
 - `dname`

-
- gateway
 - tftpservierip
 - dhcpd_interface
 - Also modifying Webmin configuration file `/etc/webmin/dhcpd/config`
 - Restarting dhcpd.

4.2. Configura DNS

drakwizard bind

This page hasn't been written yet for lack of resources. If you think you can write this help, please contact [the Doc team](https://wiki.mageia.org/en/Documentation_team). [https://wiki.mageia.org/en/Documentation_team] Thanking you in advance.

You can start this tool from the command line, by typing **drakwizard bind** as root.

4.3. Configura server proxy

drakwizard squid

This tool⁸ can help you to set up a proxy server. It is a component of drakwizard which should be installed before you can access to it.

4.3.1. Cos'è un server proxy?

A proxy server is a server (a computer system or an application) that acts as an intermediary for requests from clients seeking resources from other servers. A client connects to the proxy server, requesting some service, such as a file, connection, web page, or other resource available from a different server and the proxy server evaluates the request as a way to simplify and control its complexity. (From Wikipedia)

4.3.2. Setting up a proxy server with drakwizard squid

Welcome to the proxy server wizard.

1. Introduzione

La prima pagina è solo un'introduzione, premi Avanti.

2. Selezionando la porta proxy

Select the proxy port browsers will connect through, then click Next.

3. Impostando memoria e uso del disco

Set memory and disk cache limits, then click Next.

4. Select Network Access Control

Set visibility to local network or world, then click Next.

5. Grant Network Access

⁸You can start this tool from the command line, by typing **drakwizard squid** as root.

Grant access to local networks, then click Next.

6. **Use Upper Level Proxy Server?**

Cascade through another proxy server? If no, skip next step.

7. **Upper Level Proxy URL and Port**

Provide upper level proxy hostname and port, then click Next.

8. **Sommario**

Take a second to check these options, then click Next.

9. **Avviare durante il boot?**

Choose if the proxy server should be started during the boot time, then click Next.

10. **Finisci**

You're done! Click Finish.

4.3.3. *Cos'è stato fatto*

- Installare il pacchetto squid se necessario;
- Saving `/etc/squid/squid.conf` in `/etc/squid/squid.conf.orig`;
- Creating a new `squid.conf` starting from `squid.conf.default` and adding the new parameters:
 - `cache_dir`
 - `localnet`
 - `cache_mem`
 - `http_port`
 - `level 1, 2 or 3` and `http_access` according to level
 - `cache_peer`
 - `visible_hostname`
- Riavviando `squid`.

4.4. *Configura time server*

`drakwizard ntp`

This tool⁹ purpose is to set the time of your server synchronised with an external server. It isn't installed by default and you have to also install the `drakwizard` and `drakwizard-base` packages.

4.4.1. *Setup a NTP server with drakwizard ntp*

1. After a welcome screen (see above), the second one ask you to choose three time servers in the drop down lists and suggests to use `pool.ntp.org` twice because this server always points to available time servers.

⁹You can start this tool from the command line, by typing `drakwizard ntp` as root.

-
2. The following screens allows to choose the region and the city and then, you arrive on a summary. If something is wrong, you can obviously change it using the Previous button. If everything is right, click on the Next button to proceed to the test. It may take a while and you finally get this screen below:
 3. Click on the Finish button to close the tool

4.4.2. Cos'è stato fatto

This tool executes the following steps:

- Installing the package `ntp` if needed
- Saving the files `/etc/sysconfig/clock` to `/etc/sysconfig/clock.orig` and `/etc/ntp/step-tickers` to `/etc/ntp/step-tickers.orig`;
- Scrivendo un nuovo file `/etc/ntp/step-tickers` con la lista dei server;
- Modifying the file `/etc/ntp.conf` by inserting the first server name;
- Stopping and starting `crond`, `atd` and `ntpd` services;
- Impostando l'orologio hardware con l'attuale orologio di sistema riferito a UTC.

4.5. Configurazione del demone OpenSSH

`drakwizard sshd`

This tool¹⁰ can help you to set up an SSH daemon.

4.5.1. Cos'è SSH?

Secure Shell (SSH) is a cryptographic network protocol for secure data communication, remote command-line login, remote command execution, and other secure network services between two networked computers that connects, via a secure channel over an insecure network, a server and a client (running SSH server and SSH client programs, respectively). (From Wikipedia)

4.5.2. Setting up an SSH daemon with `drakwizard sshd`

Benvenuti al wizard di Open SSH.

1. **Select Type of Configure Options**

Choose Expert for all options or Newbie to skip steps 3-7, click Next.

2. **Opzioni generali**

Sets visibility and root access options. Port 22 is the standard SSH port.

3. **Metodi di autenticazione**

Allow a variety of authentication methods users can use while connecting, then click Next.

¹⁰You can start this tool from the command line, by typing `drakwizard sshd` as root.

4. **Logging**

Choose logging facility and level of output, then click Next.

5. **Opzioni di accesso**

Configure per-login settings, then click Next.

6. **Opzioni di accesso dell'utente**

Configure the user access settings, then click Next.

7. **Compression and Forwarding**

Configure X11 forwarding and compression during transfer, then click Next.

8. **Sommario**

Take a second to check these options, then click Next.

9. **Finisci**

You're done! Click Finish.

5. Hardware

In questa schermata puoi scegliere tra diversi strumenti per configurare il tuo hardware. Clicca sul link seguente per saperne di più.

1. *Configura l'hardware*

- a. [Sezione 5.1, «Configurazione del hardware»](#) = *Browse and configure hardware*
- b. [Sezione 5.2, «Configurazione audio»](#)

2. *Configura la grafica*

- a. [Sezione 5.3, «Effetti Schermo 3D»](#) = *Configura effetti desktop 3D*
- b. [Sezione 5.4, «Configura il sistema grafico»](#)

3. *Configura mouse e tastiera*

- a. [Sezione 5.5, «Impostando il layout della tastiera.»](#)
- b. [Sezione 5.6, «Configura il dispositivo di puntamento \(mouse, touchpad\)»](#)

4. *Configura stampanti e scanner*

- a. [Sezione 5.7, «Installa e configura una stampante»](#) = *Set up the printer(s), the print job queues, ...*
- b. [Sezione 5.8, «Configura uno scanner»](#)

5. *Altro*

- a. [Sezione 5.9, «Configura un UPS per il controllo dell'alimentazione»](#)

5.1. Configurazione del hardware

harddrake2

This tool¹¹ gives a general view of the hardware of your computer. When the tool is launched, it executes a job to look for every element of the hardware. For that, it uses the command `ldetect` which refers to a list of hardware in `ldetect-1st` package.

5.1.1. La finestra

La finestra è divisa in due colonne.

The left column contains a list of the detected hardware. The devices are grouped by categories. Click on the > to expand the content of a category. Each device can be selected in this column.

The right column displays information about the selected device. The Help -> Fields description gives some information about the content of the fields.

According to which type of device is selected, either one or two buttons are available at the bottom of the right column:

- Set current driver options: this can be used to parameterize the module which is used in relation to the device. This must be used by experts only.
- Run config tool: access to the tool which can configure the device. The tool can often be accessed directly from the MCC.

5.1.2. Il menu

Opzioni

The options menu gives the opportunity to check boxes to enable automatic detection:

- modem
- Dispositivi Jaz
- Zip parallel devices

By default these detections are not enabled, because they are slow. Check the appropriate box(es) if you have this hardware connected. Detection will be operational the next time this tool is started.

5.2. Configurazione audio

draksound

This tool¹² is present in the Mageia Control Center under the tab **Hardware**.

Draksound deals with the sound configuration, PulseAudio options and troubleshooting. It will help you if you experience sound problems or if you change the sound card.

PulseAudio is a sound server. It receives all the sound inputs, mixes them according to the user preferences and sends the resulting sound to the output. See Menu -> Sound and video -> PulseAudio volume control to set these preferences.

PulseAudio is the default sound server and it is recommended to leave it enabled.

Glitch-Free improves PulseAudio with some programs. It is also recommended to leave it enabled.

¹¹You can start this tool from the command line, by typing **harddrake2** as root.

¹²You can start this tool from the command line, by typing **draksound** as root.

The Troubleshooting button gives assistance with fixing any problems you may have. You will find it helpful to try this before asking the community for help.

The Advanced button displays a new window with an obvious button.

5.3. Effetti Schermo 3D

drak3d

5.3.1. Introduzione

This tool¹³ lets you manage the 3D desktop effects on your operating system. 3D effects are turned off by default.

5.3.2. Iniziamo

To use this tool, you need to have the `glxinfo` package installed. If the package is not installed, you will be prompted to do so before `drak3d` can start.

After starting `drak3d`, you will be presented with a menu window. Here you can choose either No 3D Desktop Effects or Compiz Fusion. Compiz Fusion is part of a composite/window manager, which includes hardware-accelerated special effects for your desktop. Choose Compiz Fusion to turn it on.

If this is your first time using this program after a clean installation of Mageia, you will get a warning message telling you which packages need to be installed in order to use Compiz Fusion. Click on the Ok button to continue.

Once the appropriate packages are installed, you will notice that Compiz Fusion is selected in the `drak3d` menu, but you must log out and log back in for the changes to take effect.

After logging back in, Compiz Fusion will be activated. To configure Compiz Fusion, see the page for the `ccsm` (CompizConfig Settings Manager) tool.

5.3.3. Risoluzione problemi

5.3.3.1. Non vedo lo schermo dopo il log in

If after turning on Compiz Fusion you attempt to log back into your desktop but can't see anything, restart your computer to get back to the log in screen. Once there, click on the Desktop icon and select `drak3d`.

When you log in, if your account is listed as an administrator, you will be prompted for your password again. Otherwise, use the administrator login with his/her account. Then you can undo any changes that may have caused the log in problem.

5.4. Configura il sistema grafico

XFdrake

This tool is present in the Mageia Control Center under the tab **Hardware**. Select *Set up the graphical server*.
¹⁴

¹³You can start this tool from the command line, by typing `drak3d` as root.

¹⁴You can start this tool from the command line, by typing `XFdrake` as normal user or `drakx11` as root. Mind the capital letters.

Il bottone ti permette di cambiare la configurazione grafica.

Scheda grafica:

The graphic card currently detected is displayed and the matching server configured. Click on this button to change to another server, for example one with a proprietary driver.

The available servers are sorted under Vendor by manufacturer in alphabetical order and then by model also in alphabetical order. The free drivers are sorted by alphabetical order under Xorg.



In case of problems, *Xorg - Vesa* will work with most graphic cards and give you time to find and install the right driver while in your Desktop Environment.

If even Vesa doesn't work, choose *Xorg - fbdev*, which is used while installing Mageia, but doesn't allow you to change resolution or refresh rates.

If you made your choice for a free driver, you may be asked if you want to use a proprietary driver instead with more features (3D effects for example).

Monitor:

In the same way as above, the monitor currently detected is displayed and you can click on the button to change to another one. If the desired monitor isn't in the Vendor list, choose in the Generic list a monitor with the same features.

Risoluzione:

Questo bottone ti permette di scegliere la risoluzione (numero di pixels) e la profondità di colore (numero di colori). Mostra questa schermata:

When you change the color depth, a multi-colored bar will appear next to the second button and show a preview of what the selected color depth looks like.

The first button shows the currently resolution, click to change for another one. The list gives all the possible choices according to the graphic card and the monitor, it is possible to click on Other to set other resolutions, but bear in mind that you can damage your monitor or select an uncomfortable setting.

Il secondo pulsante mostra l'attuale profondità di colore, clicca per cambiarla.



A seconda della risoluzione scelta potrebbe essere necessario eseguire il logout e riavviare l'ambiente grafico per vederne gli effetti.

Test:

Una volta che la configurazione è finita è consigliato eseguire un test prima di cliccare su OK poiché è più semplice modificare le impostazioni ora che dopo, nel caso in cui l'ambiente grafico non dovesse funzionare.



In case of a non working graphical environment, type `Alt+Ctrl+F2` to open a text environment, connect as root and type `XFdrake` (with the caps) to use XFdrake's text version.

If the test fails, just wait until the end, if it works but you don't want to change after all, click on No, if everything is right, click on OK.

Opzioni:

1. Global options: If *Disable Ctrl-Alt-Backspace* is checked, it will no longer be possible to restart X server using Ctrl+Alt+Backspace keys.
2. Graphic card options: Allows you to enable or disable three specific features depending on the graphic card.
3. Graphical interface at startup: Most of the time, *Automatically start the graphical interface (Xorg) upon booting* is checked to make the boot switch to graphical mode, it may be unchecked for a server.

After a click on the Quit button, the system will ask you to confirm. There is still time to cancel everything and keep the previous configuration, or to accept. In this case, you have to disconnect and reconnect to activate the new configuration.

5.5. Impostando il layout della tastiera.

keyboardrake

5.5.1. Introduzione

The keyboardrake tool¹⁵ helps you configure the basic layout for the keyboard that you wish to use on Mageia. It affects the keyboard layout for all users on the system. It can be found in the Hardware section of the Mageia Control Center (MCC) labelled "Configure mouse and keyboard".

5.5.2. Layout della tastiera

Here you can select which keyboard layout you wish to use. The names (listed in alphabetical order) describe the language, country, and/or ethnicity each layout should be used for.

5.5.3. Tipo di tastiera

This menu lets you select the type of keyboard you are using. If you are unsure of which to choose, it is best to leave it as the default type.

5.6. Configura il dispositivo di puntamento (mouse, touchpad)

mousedrake

This tool¹⁶ is present in the Mageia Control Center under the tab **Hardware**.

As you must have a mouse to install Mageia, that one is already installed by Drakinstall. This tool allows installation of another mouse.

The mice are sorted by connection type and then by model. Select your mouse and click on OK. Most of the time "Universal / Any PS/2 & USB mice" is suitable for a recent mouse. The new mouse is immediately taken into account.

5.7. Installa e configura una stampante

system-config-printer

¹⁵You can start this tool from the command line, by typing **keyboardrake** as root.

¹⁶You can start this tool from the command line, by typing **mousedrake** as root.

5.7.1. Introduzione

Printing is managed on Mageia by a server named CUPS. It has its own [configuration interface](http://localhost:631) [http://localhost:631] which is accessible via an Internet browser, but Mageia offers its own tool for installing printers called `system-config-printer` which is shared with other distributions such as Fedora, Mandriva, Ubuntu and openSUSE.

You should enable the non-free repository before proceeding with the installation, because some drivers may only be available in this way.

Printer installation is carried out in the Hardware section of the Mageia Control Centre. Select the Configure printing and scanning tool¹⁷.

MCC will ask for the installation two packages:

`task-printing-server`

`task-printing-hp`

It is necessary to accept this installation to continue. Up to 230MB of dependencies are needed.

To add a printer, choose the "Add" printer button. The system will try to detect any printers and the ports available. The screenshot displays a printer connected to a parallel port. If a printer is detected, such as a printer on a USB port, it will be displayed on the first line. The window will also attempt to configure a network printer.

5.7.2. Stampante automaticamente identificata

This usually refers to USB printers. The utility automatically finds the name of the printer and displays it. Select the printer and then click "Next". If there is a known driver associated for the printer, it will be automatically installed. If there is more than one driver or no known drivers, a window will ask you to select or furnish one, as explained in the next paragraph. Continue with [Sezione 5.7.4, «Completa il processo di installazione»](#)

5.7.3. Stampante non automaticamente identificata

When you select a port, the system loads a driver list and displays a window to select a driver. The choice can be made through one of the following options.

- Seleziona una stampante dal database
- fornisci il file PPD
- cerca un driver da scaricare

By selecting from the database, the window suggests a printer manufacturer first, and then a device and a driver associated with it. If more than one driver is suggested, select one which is recommended, unless you have encountered some problems with that one before, in this case select the one which know to work.

5.7.4. Completa il processo di installazione

After the driver selection, a window requests some information which will allow the system to designate and discover the printer. The first line is the name under which the device will appear in applications in the list of available printers. The installer then suggests printing a test page. After this step, the printer is added and appears in the list of available printers.

¹⁷You can start this tool from the command line, by typing `system-config-printer`. The root password will be asked for.

5.7.5. Stampante di rete

Network printers are printers that are attached directly to a wired or wireless network, that are attached to a printserver or that are attached to another workstation that serves as printserver.



Often, it is better to configure the DHCP server to always associate a fixed IP address with the printer's MAC-address. Of course that should be the same as the IP address the printer of printserver is set to, if it has a fixed one.

The printer's Mac-address is a serial number given to the printer or printserver or computer it is attached to, that can be obtained from a configuration page printed by the printer or which may be written on a label on the printer or printserver. If your shared printer is attached to a Mageia system, you can run `ifconfig` on it as root to find the MAC-address. It is the sequence of numbers and letters after "HWaddr".

You can add your network printer by choosing the protocol it uses to talk to your computer over the network. If you don't know which protocol to choose, you can try the Network Printer - Find Network Printer option in the Devices menu and give the IP address of the printer in the box on the right, where it says "host".

If the tool recognises your printer or printserver, it will propose a protocol and a queue, but you can choose a more appropriate one from the list below it or give the correct queue name if it isn't in the list.

Look in the documentation that came with your printer or printserver to find which protocol(s) it supports and for possible specific queue names.

5.7.6. Network printing protocols

One current technique is one developed by Hewlett-Packard and known as JetDirect. It allows access to a printer directly connected to the network via an Ethernet port. You must know the IP-address at which the printer is known on the network. This technique is also used inside some ADSL-routers which contain an USB port to connect the printer. In this case, the IP-address is that of the router. Note that the tool "Hp Device manager" can manage dynamically configured IP-address, setting an URI like `hp:/net/<name-of-the-printer>`. In this case, fixed IP-address is not required.

Choose the option AppSocket/HP JetDirect as the protocol and set the address in Host:, do not change the Port Number, unless you know that it needs to be changed. After the selection of the protocol, the selection of the driver is the same as above.

Gli altri protocolli sono:

- *Internet Printing Protocol (ipp)*: a printer which can be accessed on a TCP/IP network via the IPP protocol, for example a printer connected to a station using CUPS. This protocol may also be used also by some ADSL-routers.
- *Internet Printing Protocol (https)*: the same as ipp, but using http transport and with TLS secured protocol. The port has to be defined. By default, the port 631 is used.
- *Internet Printing Protocol (ipps)*: the same as ipp, but with TLS secured protocol.
- *LPD/LPR host or Printer*: a printer which can be accessed on a TCP/IP network via the LPD protocol, for example a printer connected to a station using LPD.
- *Windows printer via SAMBA*: a printer connected to a station running Windows or a SMB server and shared.

The URI can also be added directly. Here are some examples on how to form the URI:

- Appsocket

`socket://ip-address-or-hostname:port`

- Internet Printing Protocol (IPP)

`ipp://ip-address-or-hostname:port-number/resource`

`http://ip-address-or-hostname:port-number/resource`

- Line Printer Daemon (LPD) Protocol

`lpd://username@ip-address-or-hostname/queue`

Additional information can be found in the [CUPS documentation](http://www.cups.org/documentation.php/doc-1.5/network.html). [<http://www.cups.org/documentation.php/doc-1.5/network.html>]

5.7.7. Proprietà del dispositivo

You can access the properties of the device. The menu allows access to parameters for the CUPS server. By default a CUPS server is launched on your system, but you can specify a different one with the Server | Connect... menu, another window which gives access to the tuning of other specific parameters of the server, following Server | Settings.

5.7.8. Troubleshoot

You can find some information on occurring errors during printing by inspecting `/var/log/cups/error_log`

You can also access to a tool to diagnose problems using the Help | Troubleshoot menu.

5.7.9. Specifiche

It is possible that some drivers for specific printers are not available in Mageia or are not functional. In this case, have a look at the [openprinting](http://openprinting.org/printers/) [<http://openprinting.org/printers/>] site to check if a driver for your device is available. If yes, check if the package is already present in Mageia and in this case install it manually. Then, redo the installation process to configure the printer. In all cases, report the problem in bugzilla or on the forum if you are comfortable with this tool and furnish the model and driver information and whether the printer works or not after installation. Here are some sources to find other up-to-date drivers or for more recent devices.

Brother printers

[This page](http://welcome.solutions.brother.com/bsc/public_s/id/linux/en/download_prn.html) [http://welcome.solutions.brother.com/bsc/public_s/id/linux/en/download_prn.html] give a list of drivers provided by Brother. Search the driver for your device, download the rpm(s) and install.

You should install Brother drivers before running the configuration utility.

Hewlett-Packard printers and All in one devices

These devices use the hplip tool. It is installed automatically after the detection or the selection of the printer. You can find other information [here](http://hplipopensource.com/hplip-web/index.html) [<http://hplipopensource.com/hplip-web/index.html>]. The tool "HP Device Manager" is available in the System menu. Also view [configuration](http://hplipopensource.com/hplip-web/install/manual/hp_setup.html) [http://hplipopensource.com/hplip-web/install/manual/hp_setup.html] for the management of the printer.

A HP All in one device must be installed as a printer and the scanner features will be added. Note that sometimes, the Xsane interface doesn't allow to scan films or slides (the lighting slid can't operate). In this case, it is possible to scan, using the standalone mode, and save the picture on a memory card or USB stick inserted in the device. Afterwards, open your favourite imaging software and load your picture from the memory card which is appeared in the `/media` folder.

Samsung colour printer

For specific Samsung and Xerox colour printers, [this site provides drivers](http://foo2qpd.l.rkkda.com/) [http://foo2qpd.l.rkkda.com/] for the QPDL protocol.

Epson printers and scanners

Drivers for Epson printers are available from [this search page](http://download.ebz.epson.net/dsc/search/01/search/?OSC=LX) [http://download.ebz.epson.net/dsc/search/01/search/?OSC=LX]. For the scanner part, you must install the "iscan-data" package first, then "iscan" (in this order). A iscan-plugin package can also be available and is to install. Choose the *rpm* packages according to your architecture.

It is possible that the iscan package will generate a warning about a conflict with sane. Users have reported that this warning can be ignored.

Stampanti Canon

For Canon printers, it may be advisable to install a tool named turboprint [available here](http://www.turbo-print.info/) [http://www.turbo-print.info/].

5.8. Configura uno scanner

scannerdrake

5.8.1. Installazione

This tool ¹⁸ allows you to configure a single scanner device or a multifunction device which includes scanning. It also allows you to share local devices connected to this computer with a remote computer or to access remote scanners.

Quando utilizzi questo strumento per la prima volta potrebbe apparirti il seguente messaggio:

"SANE packages need to be installed to use scanners

Vuoi installare i pacchetti SANE?"

Choose *Yes* to continue. It will install `scanner-gui` and `task-scanning` if they are not yet installed.

If your scanner is identified correctly, so if in the above screen you see the name of your scanner, the scanner is ready for use with, for instance, *XSane* or *Simple Scan*.

In that case, you might now want to want to configure the *Scanner sharing* option. You can read about it in the [Sezione 5.8.2, «Scannersharing»](#).

However, if your scanner hasn't been correctly identified, and checking its cable(s) and power switch and then pressing *Search for new scanners* doesn't help, you'll need to press *Add a scanner manually*.

Choose the brand of your scanner in the list you see, then its type from the list for that brand and click *Ok*



Se non riesci a trovare il tuo scanner nella lista clicca su *Annulla*

Please check whether your scanner is supported on the [SANE: Supported Devices](http://www.sane-project.org/lists/sane-mfgs-cvs.html) [http://www.sane-project.org/lists/sane-mfgs-cvs.html] page and ask for help in the [forums](http://forums.mageia.org/en/) [http://forums.mageia.org/en/].

Figura 1. Scegli la porta

¹⁸Puoi avviare questo strumento dalla linea di comando digitando *scannerdrake* come root.

You can leave this setting to *Auto-detect available ports* unless your scanner's interface is a parallel port. In that case, select */dev/parport0* if you have only one.

After clicking *Ok*, in most cases you will see a screen similar to the one below.

If you don't get that screen, then please read the [Sezione 5.8.4, «Fasi extra di installazione»](#).

5.8.2. Scannersharing

Here you can choose whether the scanners connected to this machine should be accessible by remote machines and by which remote machines. You can also decide here whether scanners on remote machines should be made available on this machine.

Scanner sharing to hosts : name or IP address of hosts can be added or deleted from the list of hosts allowed to access the local device(s), on this computer.

Usage of remote scanners : name or IP address of hosts can added or deleted from the list of hosts which give access to a remote scanner.

Scanner sharing to hosts: you can add host.

Scanner sharing to hosts: specify which host(s) to add, or allow all remote machines.

"All remote machines" are allowed to access the local scanner.

If the package *saned* is not yet installed, the tool offers to do it.

Alla fine lo strumento altererà questi files:

/etc/sane.d/saned.conf

/etc/sane.d/net.conf

/etc/sane.d/dll.conf to add or comment the directive "net"

It will also configure *saned* and *xinetd* to be started on boot.

5.8.3. Specifiche

- Hewlett-Packard

Most HP scanners are managed from *HP Device Manager* (hplip) which also manages printers. In this case, this tool does not allow you to configure it and invites you to use *HP Device Manager*.

- Epson

Drivers are available from [this page](http://download.ebz.epson.net/dsc/search/01/search/?OSC=LX) [http://download.ebz.epson.net/dsc/search/01/search/?OSC=LX]. When indicated, you must install the *iscan-data* package first, then *iscan* (in this order). It is possible that the *iscan* package will generate a warning about a conflict with *sane*. Users have reported that this warning can be ignored.

5.8.4. Fasi extra di installazione

It is possible that after selecting a port for your scanner in the [Figura 1, «Scegli la porta»](#) screen, you need to take one or more extra steps to correctly configure your scanner.

-
- In some cases, you're told the scanner needs its firmware to be uploaded each time it is started. This tool allows you to load it into the device, after you installed it on your system. In this screen you can install the firmware from a CD or a Windows installation, or install the one you downloaded from an Internet site of the vendor.

When your device's firmware needs to be loaded, it can take a long time at each first usage, possibly more than one minute. So be patient.

- Also, you may get a screen telling you to adjust the `/etc/sane.d/"name_of_your_SANE_backend".conf` file.
- Read those or other instructions you get carefully and if you don't know what to do, feel free to ask for help in the [forums](http://forums.mageia.org/en/) [http://forums.mageia.org/en/].

5.9. Configura un UPS per il controllo dell'alimentazione

drakups

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You can start this tool from the command line, by typing **drakups** as root.

6. Rete e internet

In questa schermata puoi scegliere tra diversi strumenti di rete. Clicca sul link seguente per saperne di più.

1. *Gestisci i dispositivi di rete*
 - a. [Sezione 6.1, «Rete e Internet»](#)
 - b. [Sezione 6.2, «Configura una nuova interfaccia di rete \(lan, adsl, wifi...\)»](#)
 - c. [Sezione 6.3, «Rimuovi una connessione»](#)
2. *Personalizza e rendi sicura la rete*
 - a. [Sezione 6.4, «Proxy»](#)
 - b. [Sezione 6.5, «Condividi la connessione Internet con altre macchine locali»](#)
 - c. [Sezione 6.6, «Gestisci i diversi profili di rete»](#)
 - d. [Sezione 6.7, «Configura la connessione VPN per rendere sicuro l'accesso al network»](#)
3. *Altro*
 - a. [Sezione 6.8, «Descrizioni degli host»](#)

6.1. Rete e Internet

draknetcenter





This tool¹⁹ is found under the Network & Internet tab in the Mageia Control Center labelled "Network Center"

6.1.1. Introduzione

When this tool is launched, a window opens listing all the networks configured on the computer, whatever their type (wired, wireless, satellite, etc.). When clicking on one of them, three or four buttons appear, de-

¹⁹You can start this tool from the command line, by typing **draknetcenter** as root.

pending on the network type, to allow you to look after the network, change its settings or connect/disconnect. This tool isn't intended to create a network, for this see Set up a new network interface (LAN, ISDN, ADSL, ...) in the same MCC tab.

In the screenshot below, given as example, we can see two networks, the first one is wired and connected, recognizable by this icon  (this one is not connected ) and the second section shows wireless networks, not connected recognizable by this icon  and this one  if connected. For the other network types, the colour code is always the same, green if connected and red if not connected.

In the wireless part of the screen, you can also see all the detected networks, with the SSID, the Signal strength, if they are encrypted (in red) or not (in green), and the Operating mode. Click on the chosen one and then either on Monitor, Configure or Connect. It is possible here to go from a network to another one. If a private network is selected, the Network Settings window (see below) will open and ask you for extra settings (an encryption key in particular).

Click on Refresh to update the screen.

6.1.2. The Monitor button

This button allows you to watch the network activity, downloads (toward the PC, in red) and uploads (toward the Internet, in green). The same screen is available by right clicking on the Internet icon in the system tray -> Monitor Network.

There is a tab for each network (here eth0 is the wired network, lo the local loopback and wlan0 the wireless network) and a tab connection which gives details about connection status.



At the bottom of the window is a title Traffic accounting, we will look at that in the next section.

6.1.3. Il pulsante Configura

A - Per una rete cablata

It is possible to change all the settings given during network creation. Most of the time, checking Automatic IP (BOOTP/DHCP) will do, but in case of problems, manual configuration may give better results.

For a residential network, the IP address always looks like 192.168.0.x, Netmask is 255.255.255.0, and the Gateway and DNS servers are available from your providers website.

Enable traffic accounting if checked this will count the traffic on a hourly, daily or monthly basis. The results are visible in the Network monitor detailed in the previous section. Once enabled, you may have to reconnect to the network.

Allow interface to be controlled by Network Manager:

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The button Advanced:

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B - For a wireless network

Only the items not already seen above are explained.

Modalità operativa:

Select Managed if the connection is via an access point, there is an **ESSID** detected. Select Ad-hoc if it is a peer to peer network. Select **Master** if your network card is used as the access point, your network card needs to support this mode.

Encryption mode and Encryption key:

If it is a private network, you need to know these settings.

WEP uses a password and is weaker than WPA which uses a passphrase. WPA Pre-Shared Key is also called WPA personal or WPA home. WPA Enterprise is not often used in private networks.

Allow access point roaming:

Roaming is a technology which enables allows computer to change its access point while remaining connected to the network.

The button Advanced:

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6.1.4. The Advanced Settings button

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6.2. Configura una nuova interfaccia di rete (lan, adsl, wifi...)

drakconnect

6.2.1. Introduzione

This tool²⁰ allows to configure much of local network or Internet access. You have to know some information from your access provider or your network administrator.

Seleziona il tipo di connessione che vuoi impostare in base a quale hardware e provider possiedi.

6.2.2. Una nuova connessione cablata (Ethernet)

1. La prima finestra mostra le interfacce disponibili. Scegliere quella da configurare.
2. At this point, the choice is given between an automatic or a manual IP address.
3. IP automatico
 - a. *Ethernet/IP settings*: you have to select if DNS servers are declared by the DHCP server or are manually specified, as explained below. In the last case, the IP address of DNS servers has to be set. The HOSTNAME of the computer can be specified here. If no HOSTNAME is specified, the name `localhost.localdomain` is attributed by default. The Hostname can also be provided

²⁰Puoi avviare questo tool da linea di comando scrivendo **drakconnect** come root.

by the DHCP server with the option *Assign host name from DHCP server*. Not all DHCP servers have such a function and if you're setting up your PC to get an IP address from a domestic ADSL router, it is unlikely.

- b. Il bottone avanzate permette di specificare:
 - Search domain (not accessible, as provided by the DHCP server)
 - il client DHCP
 - DHCP timeout
 - Get YP server from DHCP (checked by default): specify the NIS server
 - Get NTPD server from DHCP (synchronisation of clocks)
 - the HOSTNAME required by DHCP. Only use this option if the DHCP server requires the client to specify a hostname before receiving an IP address. This option is not dealt by some DHCP servers.
 - c. After accepting, the last steps which are common to all connection configurations are explained: [Sezione 6.2.11, «Concludendo la configurazione»](#)
4. Configurazione manuale
- a. *Ethernet/IP settings*: you need to declare what DNS servers to use. The HOSTNAME of the computer can be specified here. If no HOSTNAME is specified, the name `localhost.localdomain` is attributed by default.

For a residential network, the IP address usually looks like *192.168.x.x*, Netmask is *255.255.255.0*, and the Gateway and DNS servers are available from your service provider's website.

In advanced settings, you can specified a *Search domain*. It would usually be your home domain, i.e. if your computer is called "splash", and it's full domain name is "splash.boatanchor.net", the Search Domain would be "boatanchor.net". Unless you specifically need it, it's ok not to define this setting. Again, domestic ADSL would not need this setting.
 - b. The next steps are exposed at [Sezione 6.2.11, «Concludendo la configurazione»](#)

6.2.3. A new Satellite connection (DVB)

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6.2.4. A new Cable modem connection

1. La prima finestra mostra le interfacce disponibili. Scegliere quella da configurare.
2. At this point, the choice is given between an automatic or a manual IP address.
3. You have to specify a authentication method:
 - Nessuno
 - BPALogin (necessary for Telstra). In this case you have to provide User name and password.
4. IP automatico
 - a. *Cable/IP settings*: you have to select if DNS servers are declared by the DHCP server or are manually specified, as explained below. In the last case, the IP address of DNS servers has to be set. The HOSTNAME of the computer can be specified here. If no HOSTNAME is specified, the name `localhost.localdomain` is attributed by default. The Hostname can also be provided by the DHCP server with the option *Assign host name from DHCP server*. Not all DHCP servers have such a function and if you're setting up your PC to get an IP address from a domestic ADSL router, it is unlikely.

-
- b. Il bottone avanzate permette di specificare:
 - Search domain (not accessible, as provided by the DHCP server)
 - il client DHCP
 - DHCP timeout
 - Get YP server from DHCP (checked by default): specify the NIS server
 - Get NTPD server from DHCP (synchronisation of clocks)
 - the HOSTNAME required by DHCP. Only use this option if the DHCP server requires the client to specify a hostname before receiving an IP address. This option is not dealt by some DHCP servers.
 - c. After accepting, the last steps which are common to all connection configurations are explained: [Sezione 6.2.11, «Concludendo la configurazione»](#)
5. Configurazione manuale
- a. *Cable/IP settings*: you need to declare what DNS servers to use. The HOSTNAME of the computer can be specified here. If no HOSTNAME is specified, the name `localhost.localdomain` is attributed by default.

For a residential network, the IP address usually looks like *192.168.x.x*, Netmask is *255.255.255.0*, and the Gateway and DNS servers are available from your service provider's website.

In advanced settings, you can specified a *Search domain*. It would usually be your home domain, i.e. if your computer is called "splash", and it's full domain name is "splash.boatanchor.net", the Search Domain would be "boatanchor.net". Unless you specifically need it, it's ok not to define this setting. Again, domestic connection would not need this setting.
 - b. The next steps are exposed at [Sezione 6.2.11, «Concludendo la configurazione»](#)

6.2.5. Una nuova connessione DSL

1. If the tool detects network interfaces, it offers to select one and to configure it.
2. A list of providers is proposed, classified by countries. Select your provider. If it is not listed, select the option Unlisted and then enter the options your provider gave.
3. Seleziona uno dei protocolli disponibili:
 - Protocollo Configurazione Dinamica Host (DHCP)
 - Configurazione TCP/IP manuale
 - PPP tramite ADSL (PPPoA)
 - PPP su Ethernet (PPPoE)
 - Point to Point Tuneling Protocol (PPTP)
4. Impostazioni di accesso
 - Login dell'account (nome utente)
 - Password dell'account
 - (Advanced) Virtual Path ID (VPI)
 - (Advanced) Virtual Circuit ID (VCI)
5. The next steps are exposed at [Sezione 6.2.11, «Concludendo la configurazione»](#)

6.2.6. Una nuova connessione ISDN

1. The wizard asks which device to configure:

-
- Scelta manuale (scheda ISDN interna)
 - Modem ISDN esterno
2. A list of hardware is proposed, classified by category and manufacturer. Select your card.
 3. Seleziona uno dei protocolli disponibili:
 - Protocollo per il resto del mondo, eccetto Europa (DHCP)
 - Protocollo per l'Europa (EDSS1)
 4. A list of providers is then offered, classified by countries. Select your provider. If it is not listed, select the option Unlisted and then enter the options your provider gave you. Then it is asked for parameters:
 - Nome connessione
 - Numero telefonico
 - ID di accesso
 - Password dell'account
 - Metodo autenticazione
 5. After that, you have to select if you get the IP address by automatic or manual method. In the last case, specify IP address and Subnet mask.
 6. The next step is to choose how DNS servers address are obtained, by automatic or manual method. In the case of manual configuration, you have to put:
 - Nome dominio
 - Primo e secondo DNS Server
 - Select if the hostname is set from IP. This option is to select only if you are sure that your provider is configured to accept it.
 7. The next step is to choose how the gateway address is obtained, by automatic or manual method. In the case of manual configuration, you have to enter the IP address.
 8. The next steps are exposed at [Sezione 6.2.11, «Concludendo la configurazione»](#)

6.2.7. Una nuova connessione Wireless (WiFi)

1. A first window lists the interfaces which are available and an entry for Windows driver (ndiswrapper). Select the one to configure. Use ndiswrapper only if the other configuration methods did not work.
2. At this step, the choice is given between the different access points that the card has detected.
3. Specific parameter for the wireless card are to provide:
 - Operating mode:

Con access point (Managed)	Per accedere ad un punto di accesso esistente (il più frequente).
Ad-Hoc	Per configurare una connessione diretta fra computers.
 - Nome del network (ESSID)
 - Encryption mode: it depends of how the access point is configured.

WPA/ WPA2	Questa modalità di crittografia è da preferire se il tuo hardware te lo consente.
WEP	Alcuni vecchi hardware funzionano solo con questo metodo di crittografia.
 - Chiave di cifratura

E' solitamente fornito con l'hardware che da il punto di accesso.
4. A questo punto la scelta è tra un indirizzo IP automatico oppure un indirizzo IP manuale.

-
5. IP automatico
 - a. *IP settings*: you have to select if DNS servers are declared by the DHCP server or are manually specified, as explained below. In the last case, IP address of DNS servers has to be set. The HOSTNAME of the computer can be specified here. If no HOSTNAME is specified, the name localhost.localdomain is attributed by default. The Hostname can also be provided by the DHCP server with the option *Assign host name from DHCP server*
 - b. Il bottone avanzate permette di specificare:
 - Search domain (not accessible, as provided by the DHCP server)
 - il client DHCP
 - DHCP timeout
 - Get YP server from DHCP (checked by default): specify the NIS servers
 - Get NTPD server from DHCP (synchronisation of clocks)
 - the HOSTNAME required by DHCP. Only use this option if the DHCP server requires the client to specify a hostname before receiving an IP address. This option is not dealt by some DHCP servers.
 - c. After accepting the configuration the step, which is common to all connection configurations, is explained: [Sezione 6.2.11, «Concludendo la configurazione»](#)
 6. Configurazione manuale
 - a. *IP settings*: you have to declare DNS servers. The HOSTNAME of the computer can be specified here. If no HOSTNAME is specified, the name localhost.localdomain is attributed by default.

For a residential network, the IP address always looks like 192.168.x.x, Netmask is 255.255.255.0, and the Gateway and DNS servers are available from your providers website.

In advanced settings, you can specified a *Search domain*. It must seem to your hostname without the first name, before the period.
 - b. The next steps are exposed at [Sezione 6.2.11, «Concludendo la configurazione»](#)

6.2.8. Una nuova connessione GPRS/Edge/3G

1. Se lo strumento trova un'interfaccia wireless, da l'opportunità di selezionarne una e di configurarla.
2. Il pin è richiesto. Lasciare vuoto se il PIN non è necessario.
3. The wizard asks for network. If it is not detected, select the option Unlisted.
4. A list of providers is proposed, classified by countries. Select your provider. If it is not listed, select the option Unlisted and then enter the options your provider gave.
5. Fornire impostazioni di accesso
 - Nome dell'access point
 - Login dell'account (nome utente)
 - Password dell'account
6. The next steps are exposed at [Sezione 6.2.11, «Concludendo la configurazione»](#)

6.2.9. Una nuova connessione Bluetooth Dial-UP Networking

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6.2.10. A new Analog telephone modem connection (POTS)

1. The wizard asks which device to configure:

-
- Scelta manuale
 - Hardware identificato, se esistente.
2. Una lista di porte è proposta. Seleziona la tua.
 3. If not yet installed, it will be suggested that you install the package *kppp-provider*.
 4. A list of providers is proposed, classified by countries. Select your provider. If it is not listed, select the option Unlisted and then enter the options your provider gave. Then it is asked for Dialup options:
 - *Nome della connessione*
 - *Numero di telefono*
 - *ID di accesso*
 - *Password*
 - *Autenticazione*, scegli tra:
 - PAP/CHAP
 - Basata su script
 - PAP
 - Basata su terminale
 - CHAP
 5. The next steps are exposed at [Sezione 6.2.11, «Concludendo la configurazione»](#)

6.2.11. Concludendo la configurazione

Nel prossimo step puoi specificare:

- *Permetti agli utenti di gestire la connessione*
- *Avviare la connessione al boot*
- *Enable traffic accounting*
- *Permetti all'interfaccia di essere controllata da Network Manager*
- In the case of a wireless connection, a supplemental box is *Allow access point roaming* which give the possibility to switch automatically between access point according to the signal strength.

Con il pulsante avanzate puoi specificare:

- Metric (10 by default)
- MTU
- Collegamento a caldo della rete
- Attiva istradamento IPV6 su IPV4

L'ultimo step ti permetterà di specificare se avviare la connessione immediatamente oppure no.

6.3. Rimuovi una connessione

`drakconnect --del`

Qui puoi cancellare un'interfaccia network²¹.

Click on the drop down menu, choose the one you want to remove and then click *next*.

²¹You can also start this tool from the command line, by typing `drakconnect --del` as root.

Vedrai un messaggio che l'interfaccia network è stata cancellata con successo.

6.4. Proxy

drakproxy

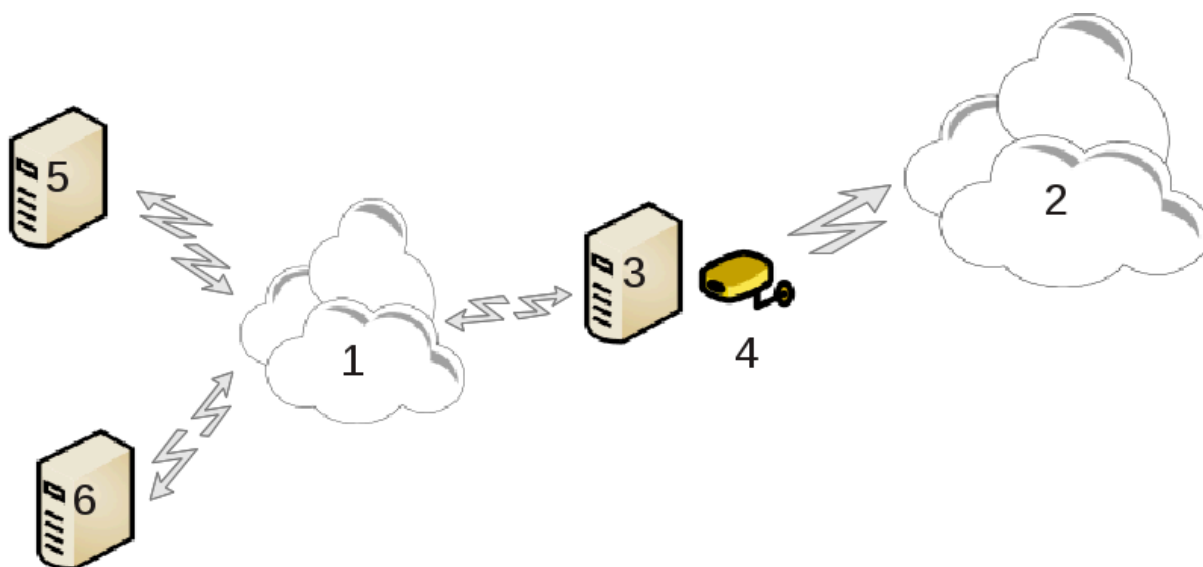
If you have to use a proxy server to access to the internet, you can use this tool²² to configure it. Your net administrator will give you the information you need. You can also specify some services which can be accessed without the proxy by exception.

From Wikipedia, on 2012-09-24, article Proxy server: In computer networks, a proxy server is a server (a computer system or an application) that acts as an intermediary for requests from clients seeking resources from other servers. A client connects to the proxy server, requesting some service, such as a file, connection, web page, or other resource available from a different server. The proxy server evaluates the request as a way to simplify and control their complexity.

6.5. Condividi la connessione Internet con altre macchine locali

drakgw

6.5.1. Principi



This is useful when you have a computer (3) which has Internet (2) access and is connected also to a local network (1). You can use computer (3) as a gateway to give that access to other workstations (5) and (6) in the local network (1). For this, the gateway must have two interfaces; the first one such as an ethernet card must be connected to the local network, and the second one (4) connected to the Internet (2).

The first step is to verify that the network and the access to Internet are set up, as documented in [Sezione 6.1. «Rete e Internet»](#).

6.5.2. Gateway wizard

The wizard²³ offers successive steps which are shown below:

²²You can start this tool from the command line, by typing **drakproxy** as root.

²³You can start this tool from the command line, by typing **drakgw** as root.

-
- If the wizard does not detect at least two interfaces, it warns about this and asks to stop the network and configure the hardware.
 - specify the interface used for the Internet connection. The wizard automatically suggests one of the interfaces, but you should verify that what is proposed is correct.
 - specify which interface is used for the Lan access. The wizard also proposes one, check that this is correct.
 - The wizard proposes parameters for the Lan network, such as IP address, mask and domain name. Check that these parameters are compatible with the actual configuration. It is recommended that you accept these values.
 - specify if the computer has to be used as a DNS server. If yes, the wizard will check that `bind` is installed. Otherwise, you have to specify the address of a DNS server.
 - specify if the computer is to be used as a DHCP server. If yes, the wizard will check that `dhcp-server` is installed and offer to configure it, with start and end addresses in the DHCP range.
 - specify if the computer is to be used as a proxy server. If yes, the wizard will check that `squid` is installed and offer to configure it, with the address of the administrator (`admin@mydomain.com`), name of the proxy (`myfirewall@mydomain.com`), the port (3128) and the cache size (100 Mb).
 - The last step allows you to check if the gateway machine is connected to printers and to share them.

Verrai avvisato sulla necessità di controllare se il firewall è attivo.

6.5.3. Configura il client

If you have configured the gateway machine with DHCP, you only need to specify in the network configuration tool that you get an address automatically (using DHCP). The parameters will be obtained when connecting to the network. This method is valid whatever operating system the client is using.

If you must manually specify the network parameters, you must in particular specify the gateway by entering the IP-address of the machine acting as the gateway.

6.5.4. Ferma la condivisione di connessione

If you want to stop sharing the connection on the Mageia computer, launch the tool. It will offer to reconfigure the connection or to stop the sharing.

6.6. Gestisci i diversi profili di rete

`draknetprofile`

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You can start this tool from the command line, by typing `draknetprofile` as root.

6.7. Configura la connessione VPN per rendere sicuro l'accesso al network

`drakvpn`

6.7.1. Introduzione

This tool²⁴ allows to configure secure access to a remote network establishing a tunnel between the local workstation and the remote network. We discuss here only of the configuration on the workstation side. We

²⁴You can start this tool from the command line, by typing `drakvpn` as root.

assume that the remote network is already in operation, and that you have the connection information from the network administrator, like a .pcf configuration file .

6.7.2. Configurazione

First, select either Cisco VPN Concentrator or OpenVPN, depending on which protocol is used for your virtual private network.

In seguito dai un nome alla connessione.

Alla prossima schermata dare i dettagli della tua connessione VPN.

- Per VPN Cisco

- Per openvpn. Il pacchetto openvpn e le sue dipendenze verranno installate la prima volta che lo strumento verrà usato.

Select the files that you received from the network administrator.

Parametri avanzati:

La prossima schermata chiede l'indirizzo IP del gateway.

When the parameters are set, you have the option of starting the VPN connection.

This VPN connection can be set to start automatically with a network connection. To do this, reconfigure the network connection to always connect to this VPN.

6.8. Descrizioni degli host

drakhosts

If some systems on your network grant you services, and have fixed IP-addresses, this tool²⁵ allows to specify a name to access them more easily. Then you can use that name instead of the IP-address.

Aggiungi

With this button, you add the name for a new system. You will get a window to specify the IP-address, the host name for the system, and optionally an alias which can be used in the same way that the name is.

Modifica

You can access the parameters of an entry previously defined. You get the same window.

7. Sistema

In questa schermata puoi scegliere tra diversi strumenti e sistemi di amministrazione. Clicca sul link seguente per saperne di più.

1. *Gestisci i servizi di sistema*
 - a. [Sezione 7.1, «Autenticazione»](#)

²⁵Puoi avviare questo strumento dalla linea di comando digitando **drakhosts** come root:

-
- b. [Sezione 7.2, «Attiva o disattiva i servizi del sistema»](#)
 - c. [Sezione 7.3, «Gestisci tipi di caratteri. Importa tipi di caratteri da Windows \(TM\)»](#)
2. **Localizzazione**
 - a. [Sezione 7.4, «Modifica data e ora»](#)
 - b. [Sezione 7.5, «Impostazioni locali per il sistema»](#)
 3. **Strumenti di amministrazione**
 - a. [Sezione 7.6, «Visualizza i log di sistema ed effettua delle ricerche»](#)
 - b. [Sezione 7.7, «Apri una console come amministratore»](#)
 - c. [Sezione 7.8, «Utenti e gruppi»](#) = *Manage users on system*
 - d. [Sezione 7.9, «Importa i documenti e le impostazioni di Windows\(TM\)»](#)

7.1. Autenticazione

drakauth

This tool²⁶ enables you to modify the manner in which you can be recognized as user of the machine or on the net.

By default, information for your authentication is stored in a file on your computer. Modify it only if your network administrator invites you to do so and give information about that.

7.2. Attiva o disattiva i servizi del sistema

drakxservices

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You can start this tool from the command line, by typing **drakxservices** as root.

7.3. Gestisci tipi di caratteri. Importa tipi di caratteri da Windows (TM)

drakfont

This tool²⁷ is present in the Mageia Control Center under the **System** tab. It allows you to manage the fonts available on the computer. The main screen above shows:

- the installed font names, styles and sizes.
- un'anteprima del font selezionato.
- some buttons explained here later.

Get Windows Fonts:

This button automatically adds the fonts found on the Windows partition. You must have Microsoft Windows installed.

²⁶You can start this tool from the command line, by typing **drakauth** as root.

²⁷You can start this tool from the command line, by typing **drakfont** as root.

Opzioni:

It allows you to specify the applications or devices (printers mostly) able to use the fonts.

Disinstalla:

This button is to remove installed fonts and possibly save some place. Be careful when removing fonts because it may have serious consequences on the documents that use them.

Importa:

Allows you to add fonts from a third party (CD, internet, ...). The supported formats are ttf, pfa, pfb, pcf, pfm and gsf. Click on the **Import** button and then on **Add**, a file manager pops up where you can select the fonts to install, click on **Install** when done. They are installed in the folder /usr/share/fonts.

If the newly installed (or removed) fonts doesn't appear in the Drakfont main screen, close and re open it to see the modifications.

7.4. Modifica data e ora

drackclock

This tool²⁸ is found under the tab System in the Mageia Control Center labelled "Manage date and time". In some desktop environments it is also available by a right click / Adjust date and Time ... on the clock in the system tray.

E' uno strumento molto semplice da usare.

On the upper left part, is the **calendar**. On the screenshot above, the date is September (on the upper left), 2012 (on the upper right), the 2nd (in blue) and it is a Sunday. Select the month (or year) by clicking on the little arrows on each side of September (or 2012). Select the day by clicking on its number.

On the bottom left is the **Network Time Protocol** synchronising, it is possible to have a clock always on time by synchronising it with a server. Check Enable Network Time Protocol and choose the closest server.

On the right part is the **clock**. It's useless to set the clock if NTP is enabled. Three boxes display hours, minutes and seconds (15, 28 and 22 on the screenshot). Use the little arrows to set the clock to the correct time. The format can't be changed here, see your desktop environment settings for that.

At least, on the bottom right, select your time zone by clicking on the Change Time Zone button and choosing in the list the nearest town.



Even if it isn't possible to choose a date or time format in this tool, they will be displayed on your desktop in accordance with the localisation settings.

7.5. Impostazioni locali per il sistema

localedrake

This tool²⁹ can be found in the System section of the Mageia Control Center (MCC) labelled "Manage localization for your system". It opens with a window in which you can choose your language. The choice is adapted to languages selected during installation.

²⁸You can start this tool from the command line, by typing **drackclock** as root.

²⁹You can also start this tool from the command line, by typing **localedrake** as root.

The Advanced button give access to activate compatibility with old encoding (non UTF8).

The second window shows a list of countries according to the selected language. The button Other Countries gives access to countries not listed.

Devi ricominciare la sessione dopo ogni modifica.

7.5.1. Metodo di input

In the Other Countries screen you can also select an input method (from the drop-down menu at the bottom of the list). Input methods allow users to input multilingual characters (Chinese, Japanese, Korean, etc).

For Asian and African locales, IBus will be set as default input method so users should not need to configure it manually.

Other input methods (SCIM, GCIN, HIME, etc.) also provide similar functions and can, if not available from the drop-down menu, be installed in another part of the Mageia Control Center. See [Sezione 2.1, «Software Management \(Install and Remove Software\)»](#).

7.6. Visualizza i log di sistema ed effettua delle ricerche

logdrake

This tool³⁰ is found in the Mageia Control Center System tab, labelled "View and search system logs".

7.6.1. Effettuare una ricerca nei registri

First, enter the key string you want to look for in the **Matching** field and/or the key string you want to *do not* wish to see amongst the answers in the field **but not matching**. Then select the file(s) to search in the Choose file field. Optionally, it is possible to limit the search to only one day. Select it in the **Calendar**, using the little arrows on each side of the month and year, and check "Show only for the selected day". At last, click on the search button to see the results in the window called Content of the file. It is possible to save the results in the .txt format by clicking on the **Save** button.



The Mageia Tools Logs houses the logs from the Mageia configuration tools such as the Mageia Control Center tools. These logs are updated each time a configuration is modified.

7.6.2. To configure a mail alert

Mail alert automatically checks the system load and the services every hour and if necessary sends an e-mail to the configured address.

To configure this tool, click on the **Mail Alert** button and then, in the next screen, on the Configure the mail alert system drop down button. Here, all the running services are displayed and you can choose which ones you want to look watch. (See screenshot above).

I seguenti servizi posso essere esplorati:

- Servizio webmin
- Server di posta Postfix

³⁰You can start this tool from the command line, by typing **logdrake** as root.

-
- Server FTP
 - Server web Apache
 - Server SSH
 - Server Samba
 - Servizio xinetd
 - BIND Domain Name Resolve

In the next screen, select the Load value you consider unacceptable. The load represents the demand to a process, a high load slows the system down and a very high load may indicate that a process has gone out of control. The default value is 3. We recommend setting the load value to 3 times the number of processors.

In the last screen, enter the Email address of the person to be warned and the Email server to use (local or on the Internet).

7.7. Apri una console come amministratore

drakconsole

Questo strumento³¹ ti permette di accedere alla console che viene automaticamente aperta come root. Non pensiamo che tu debba sapere altro al riguardo.

7.8. Utenti e gruppi

userdrake

This tool³² is found under the **System** tab in the Mageia Control Center labelled "Manage users on system"

The tool allows an administrator to manage the users and the groups, this means to add or delete a user or group and to modify user and group settings (ID, shell, ...)

When userdrake is opened, all the users existing on the system are listed in the Users tab, and all the groups in the Groups tab. Both tabs operate the same way.

1 Aggiungi un utente

This button opens a new window with all fields shown empty:

The field **Full Name** is intended for the entry of a family name and first name, but it is possible to write anything or nothing as well!

Login is the only required field.

Setting a **Password** is highly recommended. There is a little shield on the right, if it is red, the password is weak, too short or is too similar to the login name. You should use figures, lower and upper case characters, punctuation marks, etc. The shield will turn orange and then green as the password strength improves.

Confirm Password field is there to ensure you entered what you intended to.

Login Shell is a drop down list that allows you to change the shell used by the user you are adding, the options are Bash, Dash and Sh.

³¹Puoi avviare questo strumento dalla linea di comando digitando come root: **drakconsole**

³²You can start this tool from the command line, by typing **userdrake** as root.

Create a private group for the user, if checked will automatically create a group with the same name and the new user as the only member (this may be edited).

The other options should be obvious. The new user is created immediately after you click on OK.

2 Aggiungi un gruppo

You only need to enter the new group name, and if required, the specific group ID.

3 Modifica (un utente selezionato)

User Data: Allows you to modify all the data given for the user at creation (the ID can't be changed).

Informazioni sull'account:

The first option is for setting an expiration date for the account. Connection is impossible after this date. This is useful for temporary accounts.

La seconda opzione è di bloccare l'account. La connessione è impossibile sino a quando l'account resta bloccato.

E' possibile cambiare l'icona.

Password Info: Allows you to set an expiration date for the password, this forces the user to change his password periodically.

Group: Here you can select the groups that the user is a member of.



Se stai modificando l'account di un utente connesso, allora le modifiche non saranno effettive fino al suo prossimo login.

4 Edit (with a group selected)

Group Data: Allows you to modify the group name.

Group Users: Here you can select the users who are members of the group

5 Cancella

Select a user or a group and click on **Delete** to remove it. For a user, a window appears to ask if home directory and mailbox must also be deleted. If a private group has been created for the user, it will be deleted as well.



It is possible to delete a group which is not empty.

6 Ricarica

The User database can be changed outside of Userdrake. Click on this icon to refresh the display.

7 Account ospite

guest is a special account. It is intended to give somebody temporary access to the system with total security. Login is xguest, there is no password, and it is impossible to make modifications to the system from this

account. The personal directories are deleted at the end of the session. This account is enabled by default, to disable it, click in the menu on Actions -> Uninstall guest account.

7.9. Importa i documenti e le impostazioni di Windows(TM)

transfugdrake

Questo strumento³³ lo trovi nel Centro di Controllo di Mageia, nel tab Condivisioni di rete, etichettato Configura condivisioni WebDAV.

The tool allows an administrator to import the user documents and settings from a Windows® 2000, Windows® XP or Windows® Vista™ installation on the same computer as the Mageia installation.



Please note that all the changes will be applied by transfugdrake immediately after pressing Next.

After starting transfugdrake you will see the first wizard page with some explanation about the tool and import options.

As soon as you read and understand the instructions, press the Next button. This should run a detection of Windows® installation.

When the detection step is complete you will see a page which allows you to choose accounts in Windows® and Mageia for the import procedure. It is possible to choose other user account than yours own.



Please take into account that due to migrate-assistant (the backend of transfugdrake) limitations Windows® user account names with special symbols can be displayed incorrectly.



Migration may take some time depending on the size of the document folders.



Some Windows® applications (especially drivers) may create user accounts for different purposes. For example, NVidia drivers in Windows® are updated using *UpdatusUser*. Please do not use such accounts for the import purposes.

When you finished with the accounts selection press Next button. The next page is used to select a method to import documents:

Transfugdrake is designed to import Windows® data from *My Documents*, *My Music* and *My Pictures* folders. It is possible to skip import by selecting the appropriate item in this window.

When you finished with the document import method choosing press Next button. The next page is used to select a method to import bookmarks:

³³You can start this tool from the command line, by typing **transfugdrake** as root.

Transfugdrake can import *Internet Explorer* and *Mozilla Firefox* bookmarks into the bookmarks of Mageia *Mozilla Firefox* instance.

Choose the preferred import option and press the Next button.

La pagina successiva ti permette di importare sfondi desktop:

Scegli le opzioni preferite e premere il pulsante Avanti

The last page of wizard shows some congratulation message. Just press the Finish button.

7.10. Backup periodico del sistema

draknsnapshot-configurazione

This tool³⁴ is available in MCC's System tab, in the Administration tools section.

When you start this tool in MCC for the first time, you will see a message about installing draknsnapshot. Click on Install to proceed. Draknsnapshot and some other packages it needs will be installed.

Click again on Snapshots, you will see the Settings screen. Tick Enable Backups and, if you want to backup the whole system, Backup the whole system.

If you only want to backup part of your directories, then choose Advanced. You will see a little pop-up screen. Use the Add and Remove buttons next to the Backup list to include or exclude directories and files from the backup. Use the same buttons next to the Exclude list to remove subdirectories and/or files from the chosen directories, that should **not** be included in the backup. Click on Close when you are done.

Now give the path to Where to backup, or choose the Browse button to select the correct path. Any mounted USB-key or external HD can be found in `/run/media/your_user_name/`.

Click on Apply to make the snapshot.

8. Condivisioni di rete

In questa schermata puoi scegliere tra diversi strumenti per condividere i drivers e le directories. Clicca sul link seguente per saperne di più.

1. *Configura le condivisioni con Windows(R)*
 - a. [Sezione 8.1, «Accedi a dischi e cartelle condivise con Windows \(SMB\)»](#)
 - b. [Sezione 8.2, «Share directories and drives with Samba»](#) = *Share drives and directories with Windows (SMB) systems*
2. *Configura le condivisioni NFS*
 - a. [Sezione 8.3, «Accedi a dischi e cartelle in condivisione NFS»](#)
 - b. [Sezione 8.4, «Condividi dischi e cartelle tramite NFS»](#)
3. *Configura le condivisioni WebDAV*
 - a. [Sezione 8.5, «Accedi ai dispositivi e alle directory condivisi tramite WebDAV»](#)

³⁴You can start this tool from the command line, by typing `draknsnapshot-config` as root.

8.1. Accedi a dischi e cartelle condivise con Windows (SMB)

diskdrake --smb

8.1.1. Introduzione

This tool³⁵ allows you to declare which shared directories to be accessible to all users on the machine. The protocol used for this is SMB which has been popularized on Windows(R) systems. The shared directory will be available directly at boot. Shared directories can be also accessed directly in a single session by a user with tools such as file browsers.

Prima di avviare l'opzione, è una buona idea di dichiarare il nome del server disponibile, per esempio [Sezione 6.8, «Descrizioni degli host»](#)

8.1.2. Procedura

Seleziona ricerca server per ottenere una lista dei server che condividono cartelle.

Click on the server name and on > before the server name to display the list of the shared directories and select the directory you want to access.

The Mount point button will become available, you have to specify where to mount the directory.

After choosing the mount point, it can be mounted with the Mount button. You can also verify and change some options with the Options button.

In options, you can specify the user name and the password of those able to connect to the SMB server. After mounting the directory, you can unmount it with the same button.

After accepting the configuration with the Done button, a message will ask "Do you want to save the /etc/fstab modifications". Saving, will allow directory to made available at each boot, if the network is accessible. The new directory is then available in your file browser, for example in dolphin.

8.2. Share directories and drives with Samba

draksambashare

8.2.1. Introduzione

Samba è un protocollo utilizzato in diversi sistemi operativi per condividere alcune risorse come directories o stampanti. Questo strumento ti permette di configurare la macchina come un server Samba usando il protocollo SMB/CIFS. Questo protocollo è anche usato da Windows(R) e le stazioni di lavoro con questo sistema operativo possono accedere alla risorse del server Samba.

8.2.2. Preparazione

To be accessed from other workstations, the server has to have a fixed IP address. This can be specified directly on the server, for example with , or at the DHCP server which identifies the station with its MAC-address and give it always the same address. The firewall has also to allow the incoming requests to the Samba server.

³⁵Puoi avviare questo strumento da linea di comando digitando come root: **diskdrake --smb**

8.2.3. Procedura guidata - server autonomo

At the first run, the tools ³⁶ checks if needed packages are installed and proposes to install them if they are not yet present. Then the wizard to configure the Samba server is launched.

Nella finestra successiva l'opzione di configurazione del server autonomo è già selezionata.

Then specify the name of the workgroup. This name should be the same for the access to the shared resources.

The netbios name is the name which will be used to designate the server on the network.

Scegliere la modalità di sicurezza:

- user: the client must be authorized to access the resource
- share: the client authenticates itself separately for each share

You can specify which hosts are allowed to access the resources, with IP address or host name.

Specify the server banner. The banner is the way this server will be described in the Windows workstations.

The place where Samba can log information can be specified at the next step.

The wizard displays a list of the chosen parameters before you accept the configuration. When accepted, the configuration will be written in `/etc/samba/smb.conf`.

8.2.4. Wizard - Primary domain controller

If the "Primary domain controller" option is selected, the wizard asks for indication if Wins is to support or not and to provide admin users names. The following steps are then the same as for standalone server, except you can choose also the security mode:

- domain: provides a mechanism for storing all user and group accounts in a central, shared, account repository. The centralized account repository is shared between (security) controllers.

8.2.5. Dichiarare una directory da salvare

With the Add button, we get:

A new entry is thus added. It can be modified with the Modify button. Options can be edited, such as whether the directory is visible to the public, writable or browseable. The share name can not be modified.

8.2.6. Voci del menù

When the list has at least one entry, menu entries can be used.

File|Write conf. Salva l'attuale configurazione in `/etc/samba/smb.conf`.

³⁶You can start this tool from the command line, by typing `draksambashare` as root.

Samba server|Configure. The wizard can be run again with this command.

Server Samba|Restart. The server is stopped and restarted with the current configuration files.

Servar Samba|Ricarica. The configuration displayed is reloaded from the current configuration files.

8.2.7. Stampanti condivise

Samba ti permette anche di condividere stampanti.

8.2.8. Utilizzatori di Samba

In this tab, you can add users who are allowed to access the shared resources when authentication is required. You can add users from

8.3. Accedi a dischi e cartelle in condivisione NFS

diskdrake --nfs

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8.3.1. Introduzione

Questo strumento³⁷ ti consente di dichiarare alcune cartelle condivise come accessibili a tutti gli utenti sulla macchina. Il protocollo utilizzato é NFS, disponibile sulla maggior parte dei sistemi Linux e Unix. La cartella condivisa sarà quindi disponibile direttamente all'avvio. Le cartelle condivise possono essere anche accessibili direttamente in una singola sessione per un utente con strumenti quali i file browser.

8.3.2. Procedura

Seleziona cerca server per ottenere una lista dei server che condividono directory.

Clicca sul simbolo > prima del nome del server per visualizzare la lista delle directory condivise e seleziona la directory cui vuoi accedere.

Il pulsante Punto di mount diventerà disponibile e dovrai specificare dove montare la directory.

Dopo aver scelto il punto di mount, puoi montarlo. Puoi anche verificare e cambiare qualche opzione con il pulsante Opzioni. Dopo aver montato la directory puoi smontarla usando lo stesso pulsante.

Accettando la configurazione con il pulsante Fatto, un messaggio verrà mostrato, domandando "Vuoi salvare le modifiche a /etc/fstab". Questo passaggio renderà la cartella disponibile ad ogni avvio, se la rete sarà accessibile. La nuova cartella sarà inoltre visibile nel tuo file browser, per esempio Dolphin.

8.4. Condividi dischi e cartelle tramite NFS

draknfs

³⁷Puoi avviare questo strumento dalla riga di comando digitando **diskdrake --nfs** come root.

8.4.1. Prerequisiti

When the wizard³⁸ is launched for the first time, it may display the following message:

Il pacchetto nfs-utils necessita di essere installato. Desideri installarlo?

After completing the installation, a window with an empty list is displayed.

8.4.2. Finestra principale

A list of directories which are shared is displayed. At this step, the list is empty. The Add button gives access to a configuration tool.

8.4.3. Modifica voce

The configuration tool is labeled "Modify entry". It may be also launched with the Modify button. The following parameters are available.

8.4.3.1. Directory NFS

Here you can specify which directory is to be shared. The Directory button gives access to a browser to choose it.

8.4.3.2. Accesso host

Here you can specify the hosts that are authorized to access the shared directory.

NFS clients may be specified in a number of ways:

single host: a host either by an abbreviated name recognized by the resolver, fully qualified domain name, or an IP address

netgroups: NIS netgroups may be given as @group.

wildcards: machine names may contain the wildcard characters * and ?. For instance: *.cs.foo.edu matches all hosts in the domain cs.foo.edu.

IP networks: you can also export directories to all hosts on an IP (sub-)network simultaneously. For example, either `/255.255.252.0' or `/22' appended to the network base address.

8.4.3.3. Mappatura ID utente

map root user as anonymous: maps requests from uid/gid 0 to the anonymous uid/gid (root_squash). The root user from the client cannot read or write to the files on the server which are created by root on the server itself.

allow real remote root access: turn off root squashing. This option is mainly useful for diskless clients (no_root_squash).

map all users to anonymous user: maps all uids and gids to the anonymous user (all_squash). Useful for NFS-exported public FTP directories, news spool directories, etc. The opposite option is no user UID mapping (no_all_squash), which is the default setting.

anonuid and anongid: explicitly set the uid and gid of the anonymous account.

³⁸You can start this tool from the command line, by typing **draknfs** as root.

8.4.3.4. Opzioni avanzate

Secured Connection: this option requires that requests originate on an internet port less than IP-PORT_RESERVED (1024). This option is on by default.

Read-Only share: allow either only read or both read and write requests on this NFS volume. The default is to disallow any request which changes the filesystem. This can also be made explicit by using this option.

Synchronous access: prevents the NFS server from violating the NFS protocol and to reply to requests before any changes made by these requests have been committed to stable storage (e.g. disc drive).

Subtree checking: enable subtree checking which can help improve security in some cases, but can decrease reliability. See exports(5) man page for more details.

8.4.4. Voci del menù

So far the list has at least one entry.

8.4.4.1. File|Write conf

Salva la configurazione corrente.

8.4.4.2. NFS Server|Restart

The server is stopped and restarted with the current configuration files.

8.4.4.3. NFS Server|Reload

The configuration displayed is reloaded from the current configuration files.

8.5. Accedi ai dispositivi e alle directory condivisi tramite WebDAV

diskdrake --dav

Questo strumento³⁹ lo trovi nel Centro di Controllo di Mageia, nel tab Condivisioni di rete, etichettato Con-figura condivisioni WebDAV.

8.5.1. Introduzione

[WebDAV](http://en.wikipedia.org/wiki/WebDAV) [http://en.wikipedia.org/wiki/WebDAV] è un protocollo che consente di montare un directory di un server web localmente, così che questo appaia come una directory locale. E' necessario che la macchina remota abbia in esecuzione un server WebDAV. Lo scopo di questo strumento non è quello di configurare il server WebDAV.

8.5.2. Crea una nuova voce

La prima schermata dello strumento mostra le voci già configurate, se presenti, e un pulsante Nuova. Usalo per creare una nuova voce. Inserisci l'URL del server nel campo della nuova schermata.

Raggiungerai quindi una schermata con alcuni pulsanti radio per selezionare alcune azioni. Continua con l'azione Punto di mount cliccando OK dopo aver selezionato il pulsante radio, in quanto il Server è già configurato. Potrai comunque correggerlo, se necessario.

Il contenuto della directory remota risulterà accessibile tramite questo punto di montaggio.

³⁹Puoi avviare questo strumento dalla riga di comando, digitando **diskdrake --dav** come root.

Nella fase successiva, inserisci il tuo nome utente e la password. Se necessiti altre opzioni, puoi darle nella schermata avanzate.

L'opzione Monta ti permette di montare immediatamente l'accesso.

Dopo aver accettato la configurazione con il pulsante radio Fatto, la prima schermata viene mostrata nuovamente ed il tuo nuovo punto di montaggio viene elencato. Dopo aver premuto Chiudi, ti viene chiesto se salvare o non salvare le modifiche in `/etc/fstab`. Scegli questa opzione se vuoi che la directory remota sia disponibile ad ogni avvio. Se la tua configurazione vale per un solo utilizzo, non salvarla.

9. Dischi locali

In questa schermata puoi scegliere tra diversi strumenti per gestire o condividere i tuoi dischi locali. Clicca sul link seguente per saperne di più.

Dischi locali

1. [Sezione 9.1, «Gestisci le partizioni del disco»](#)
2. [Sezione 9.2, «Masterizzatore di CD/DVD»](#)
3. [Sezione 9.3, «Condividi le tue partizioni del disco fisso»](#)

9.1. Gestisci le partizioni del disco

drakdisk o diskdrake



This tool⁴⁰ is very powerful, a tiny error or a cat jumping on your keyboard can lead to losing all data on a partition or even to erasing the entire hard disk. For that reason, you'll see the screen above on top of the tool screen. Click on *Exit* if you're not sure you want to continue.

If you have more than one hard disk, you can switch to the hard disk you want to work on by selecting the correct tab (sda, sdb, sdc etc).

You can choose from many actions to adjust your hard disk to your preferences. Wiping an entire hard disk, splitting or merging partitions, resizing them or changing the filesystem, formatting or viewing what is in a partition: it is all possible. The *Clear all* button at the bottom is to erase the complete disk, the other buttons become visible on the right after you click on a partition.



If you have an UEFI system, you can see a small partition called "EFI System Partition" and mounted on `/boot/EFI`. Never delete it, because it contains all your different operating systems bootloaders.

If the selected partition is mounted, like in the example below, you cannot choose to resize, format or delete it. To be able to do that the partition must be unmounted first.

It is only possible to resize a partition on its right side

To change a partition type (change ext3 to ext4 for example) you have to delete the partition and then re-create it with the new type. The button Create appears when a disk empty part is selected

⁴⁰Puoi avviare questo strumento dalla linea di comando digitando come root: **drakdisk** or **diskdrake**

Puoi scegliere un punto di mount inesistente, verrà creato.

Selecting *Toggle to expert mode* gives some extra available actions, like labeling the partition, as can be seen in the screenshot below.

9.2. Masterizzatore di CD/DVD

`diskdrake --removable`

This tool ⁴¹is found under the tab Local disks in the Mageia Control Center labelled accordingly with your removable hardware (CD/DVD players and burners and floppy drives only).

Il suo obiettivo è quello di definire il modo in cui il tuo disco rimovibile è montato.

At the top of the window there is a short description of your hardware and the chosen options to mount it. Use the menu on the bottom to change them. Check the item to be changed and then on the OK button.

9.2.1. Punto di mount

Spunta questa casella per cambiare il punto di mount. Quello di default è `/media/cdrom`

9.2.2. Opzioni

Alcuni punti di mount possono essere scelti sia qui direttamente nella lista o via il sottomenù Avanzate. I principali sono:

9.2.2.1. user/nouser

`user` allows an ordinary user (not root) to mount the removable disk, this option involves `noexec`, `nosuid` and `nodev`. The user who mounted the disk is the only one who can umount it.

9.3. Condividi le tue partizioni del disco fisso

`diskdrake --fileshare`

Questo semplice strumento ⁴² consente a te, amministratore, di autorizzare gli utenti a condividere parti delle proprie sottodirectory in `/home` con altri utenti della stessa rete locale che potrebbero avere computers su cui gira il sistema operativo Linux o Windows.

Si trova nel Centro di Controllo di Mageia, nella scheda Dischi Locali, etichettata "Condividi le partizioni del disco fisso".

Primo, rispondi alla domanda: "Vuoi consentire agli utenti di condividere alcune delle loro directory ?", clicca su Nessuna condivisione se la risposta è no per tutti gli utenti, clicca su Permetti a tutti gli utenti per tutti gli utenti e clicca su Personalizzato se la risposta è no per alcuni utenti e sì per altri. In questo ultimo caso, gli utenti che sono autorizzati a condividere le proprie directory devono appartenere al gruppo `fileshare`, che è automaticamente creato dal sistema. Verrai interrogato successivamente in merito a questo aspetto.

Clicca su OK, una seconda schermata apparirà proponendoti di scegliere tra NFS o SMB. Spunta NFS se Linux è l'unico sistema operativo sulla rete, spunta SMB se la rete include sia macchine Linux che macchine Windows e quindi clicca su OK. I pacchetti richiesti verranno installati se necessario.

⁴¹You can start this tool from the command line, by typing `diskdrake --removable` as root.

⁴²Puoi avviare questo strumento dalla riga di comando digitando `diskdrake --fileshare` come root.

La configurazione è ora completa a meno che non sia stata scelta l'opzione Personalizzato. In questo caso una schermata extra ti domanderà di avviare Userdrake. Questo strumento ti consente di aggiungere gli utenti autorizzati a condividere le loro directory al gruppo fileshare. Nella scheda Utente, clicca sull'utente per aggiungerlo al gruppo fileshare, quindi su Modifica, nella scheda Gruppi. Spunta il gruppo fileshare e clicca su OK. Per ulteriori informazioni su Userdrake, guarda [Sezione 7.8. «Utenti e gruppi»](#)



Quando si aggiunge un nuovo utente al gruppo fileshare, devi disconnettere e riconnettere la rete affinché le modifiche vengano prese in considerazione.

D'ora in poi ogni utente appartenente al gruppo fileshare potrà selezionare nel suo gestore di file le directory da condividere, sebbene non tutti i gestori di file forniscono questa funzionalità.

10. Sicurezza

In questa schermata puoi scegliere tra diversi strumenti di sicurezza. Clicca sul link seguente per saperne di più.

Sicurezza

1. [Sezione 10.1, «MSEC: Sicurezza ed controllo del sistema»](#) = *Configure system security, permissions and audit*
2. [Sezione 10.2, «Configura il tuo firewall personale»](#)
3. [Sezione 10.3, «Configura autenticazione per strumenti Mageia»](#)
4. [Sezione 10.4, «Impostazioni avanzate per le interfacce di rete ed il firewall»](#)
5. [Sezione 10.5, «Filtri per la famiglia»](#)

10.1. MSEC: Sicurezza ed controllo del sistema

msecgui

10.1.1. Presentazione

msecgui⁴³ is a graphic user interface for msec that allows to configure your system security according to two approaches:

- It sets the system behaviour, msec imposes modifications to the system to make it more secure.
- It carries on periodic checks automatically on the system in order to warn you if something seems dangerous.

msec uses the concept of "security levels" which are intended to configure a set of system permissions, which can be audited for changes or enforcement. Several of them are proposed by Mageia, but you can define your own customised security levels.

10.1.2. Overview tab

Guarda lo screenshot sopra

The first tab takes up the list of the different security tools with a button on the right side to configure them:

⁴³You can start this tool from the command line, by typing `msecgui` as root.

-
- Firewall, also found in the MCC / Security / Set up your personal firewall
 - Updates, also found in MCC / Software Management / Update your system
 - msec con alcune informazioni:
 - abilitato o no
 - Il livello di sicurezza base configurato
 - the date of the last Periodic checks and a button to see a detailed report and another button to execute the checks just now.

10.1.3. Tab impostazioni di sicurezza

A click on the second tab or on the Security Configure button leads to the same screen shown below.

10.1.3.1. Tab sicurezza di base

Livelli di sicurezza:

After having checked the box Enable MSEC tool, this tab allows you by a double click to choose the security level that appears then in bold. If the box is not checked, the level « none » is applied. The following levels are available:

1. Level **none**. This level is intended if you do not want to use msec to control system security, and prefer tuning it on your own. It disables all security checks and puts no restrictions or constraints on system configuration and settings. Please use this level only if you are knowing what you are doing, as it would leave your system vulnerable to attack.
2. Level **standard**. This is the default configuration when installed and is intended for casual users. It constrains several system settings and executes daily security checks which detect changes in system files, system accounts, and vulnerable directory permissions. (This level is similar to levels 2 and 3 from past msec versions).
3. Level **secure**. This level is intended when you want to ensure your system is secure, yet usable. It further restricts system permissions and executes more periodic checks. Moreover, access to the system is more restricted. (This level is similar to levels 4 (High) and 5 (Paranoid) from old msec versions).
4. Besides those levels, different task-oriented security are also provided, such as the **fileserver**, **webserver** and **netbook** levels. Such levels attempt to pre-configure system security according to the most common use cases.
5. The last two levels called **audit_daily** and **audit_weekly** are not really security levels but rather tools for periodic checks only.

These levels are saved in `/etc/security/msec/level.<levelname>`. You can define your own customised security levels, saving them into specific files called `level.<levelname>`, placed into the folder `/etc/security/msec/`. This function is intended for power users which require a customised or more secure system configuration.



Keep in mind that user-modified parameters take precedence over default level settings.

Avvisi di sicurezza:

If you check the box Send security alerts by email to:, the security alerts generated by msec are going to be sent by local e-mail to the security administrator named in the nearby field. You can fill either a local user

or a complete e-mail address (the local e-mail and the e-mail manager must be set accordingly). At last, you can receive the security alerts directly on your desktop. Check the relevant box to enable it.



It is strongly advisable to enable the security alerts option in order to immediately inform the security administrator of possible security problems. If not, the administrator will have to regularly check the logs files available in `/var/log/security`.

Opzioni di sicurezza:

Creating a customised level is not the only way to customise the computer security, it is also possible to use the tabs presented here after to change any option you want. Current configuration for msec is stored in `/etc/security/msec/security.conf`. This file contains the current security level name and the list of all the modifications done to the options.

10.1.3.2. Tab sicurezza di sistema

This tab displays all the security options on the left side column, a description in the centre column, and their current values on the right side column.

To modify an option, double click on it and a new window appears (see screenshot below). It displays the option name, a short description, the actual and default values, and a drop down list where the new value can be selected. Click on the OK button to validate the choice.



Do not forget when leaving msecgui to save definitively your configuration using the menu File -> Save the configuration. If you have changed the settings, msecgui allows you to preview the changes before saving them.

10.1.3.3. Sicurezza della rete

Questa tab mostra tutte le opzioni di rete e funziona come quella precedente

10.1.3.4. Tab controlli periodici

Periodic checks aim to inform the security administrator by means of security alerts of all situations msec thinks potentially dangerous.

This tab displays all the periodic checks done by msec and their frequency if the box Enable periodic security checks is checked. Changes are done like in the previous tabs.

10.1.3.5. Scheda delle eccezioni

Sometimes alert messages are due to well known and wanted situations. In these cases they are useless and wasted time for the administrator. This tab allows you to create as many exceptions as you want to avoid unwanted alert messages. It is obviously empty at the first msec start. The screenshot below shows four exceptions.

To create an exception, click on the Add a rule button

Select the wanted periodic check in the drop down list called Check and then, enter the Exception in the text area. Adding an exception is obviously not definitive, you can either delete it using the Delete button of the Exceptions tab or modify it with a double click.

10.1.3.6. *Permessi*

This tab is intended for file and directory permissions checking and enforcement.

Like for the security, msec owns different permissions levels (standard, secure, ..), they are enabled accordingly with the chosen security level. You can create your own customised permissions levels, saving them into specific files called `perm.<levelname>` placed into the folder `/etc/security/msec/`. This function is intended for power users which require a customised configuration. It is also possible to use the tab presented here after to change any permission you want. Current configuration is stored in `/etc/security/msec/perms.conf`. This file contains the list of all the modifications done to the permissions.

Default permissions are visible as a list of rules (a rule per line). You can see on the left side, the file or folder concerned by the rule, then the owner, then the group and then the permissions given by the rule. If, for a given rule:

- the box Enforce is not checked, msec only checks if the defined permissions for this rule are respected and sends an alert message if not, but does not change anything.
- the box Enforce is checked, then msec will rule the permissions respect at the first periodic check and overwrite the permissions.



For this to work, the option CHECK_PERMS in the **Periodic check tab** must be configured accordingly.

To create a new rule, click on the Add a rule button and fill the fields as shown in the example below. The joker * is allowed in the File field. “current” means no modification.

Click on the OK button to validate the choice and do not forget when leaving to save definitively your configuration using the menu File -> Save the configuration. If you have changed the settings, msecgui allows you to preview the changes before saving them.



È anche possibile creare o modificare le regole editando il file di configurazione `/etc/security/msec/perms.conf`.



Changes in the **Permission tab** (or directly in the configuration file) are taken into account at the first periodic check (see the option CHECK_PERMS in the **Periodic checks tab**). If you want them to be taken immediately into account, use the msecperms command in a console with root rights. You can use before, the msecperms -p command to know the permissions that will be changed by msecperms.



Do not forget that if you modify the permissions in a console or in a file manager, for a file where the box Enforce is checked in the **Permissions tab**, msecgui will write the old permissions back after a while, accordingly to the configuration of the options CHECK_PERMS and CHECK_PERMS_ENFORCE in the **Periodic Checks tab**.

10.2. Configura il tuo firewall personale

drakfirewall

This tool⁴⁴ is found under the Security tab in the Mageia Control Center labelled "Set up your personal firewall". It is the same tool in the first tab of "Configure system security, permissions and audit".

A basic firewall is installed by default with Mageia. All the incoming connections from the outside are blocked if they aren't authorised. In the first screen above, you can select the services for which outside connection attempts are accepted. For your security, uncheck the first box - Everything (no firewall) - unless you want to disable the firewall, and only check the needed services.

It is possible to manually enter the port numbers to open. Click on Advanced and a new window is opened. In the field Other ports, enter the needed ports following these examples :

80/tcp : open the port 80 tcp protocol

24000:24010/udp : open all the ports from 24000 to 24010 udp protocol

The listed ports should be separated by a space.

If the box Log firewall messages in system logs is checked, the firewall messages will be saved in system logs



If you don't host specific services (web or mail server, file sharing, ...) it is completely possible to have nothing checked at all, it is even recommended, it won't prevent you from connecting to the internet.

The next screen deals with the Interactive Firewall options. These feature allow you to be warned of connection attempts if at least the first box Use Interactive Firewall is checked. Check the second box to be warned if the ports are scanned (in order to find a failure somewhere and enter your machine). Each box from the third one onwards corresponds to a port you opened in the two first screens; in the screenshot below, there are two such boxes: SSH server and 80:150/tcp. Check them to be warned each time a connection is attempted on those ports.

These warning are given by alert popups through the network applet.

In the last screen, choose which network interfaces are connected to the Internet and must be protected. Once the OK button is clicked, the necessary packages are downloaded.



If you don't know what to choose, have a look in MCC tab Network & Internet, icon Set up a new network interface.

10.3. Configura autenticazione per strumenti Mageia

draksec

This tool⁴⁵ is present in the Mageia Control Center under the tab **Security**

⁴⁴You can start this tool from the command line, by typing **drakfirewall** as root.

⁴⁵You can start this tool from the command line, by typing **draksec** as root.

It allows to give the regular users the needed rights to accomplish tasks usually done by the administrator.

Click on the little arrow before the item you want to drop down:

Most of the tools available in the Mageia Control Center are displayed in the left side of the window (see the screenshot above) and for each tool, a drop down list on the right side gives the choice between:

- Default: The launch mode depends on the chosen security level. See in the same MCC tab, the tool "Configure system security, permissions and audit".
- User password: The user password is asked before the tool launching.
- Administrator password: The root password is asked before the tool launching
- Nessuna password: lo strumento parte senza richiedere alcuna password.

10.4. Impostazioni avanzate per le interfacce di rete ed il firewall

drakinvictus

This page hasn't been written yet for lack of resources. If you think you can write this help, please contact [the Doc team](https://wiki.mageia.org/en/Documentation_team). [https://wiki.mageia.org/en/Documentation_team] Thanking you in advance.

You can start this tool from the command line, by typing **drakinvictus** as root.

10.5. Filtri per la famiglia

drakguard

This tool⁴⁶ is found in the Mageia Control Center, under the Security tab, labelled Parental Control. If you don't see this label, you have to install the drakguard package (not installed by default).

10.5.1. Presentazione

Drakguard is an easy way to set up parental controls on your computer to restrict who can do what, and at which times of day. Drakguard has three useful capabilities:

- It restricts web access to named users to set times of day. It does this by controlling the shorewall firewall built into Mageia.
- It blocks execution of particular commands by named users so these users can only execute what you accept them to execute.
- It restricts access to websites, both manually defined through blacklists/whitelists, but also dynamically based on the content of the website. To achieve this Drakguard uses the leading opensource parental control blocker DansGuardian.

10.5.2. Configurando il Parental control



If your computer contains hard drive partitions that are formatted in Ext2, Ext3, or ReiserFS format you will see a pop up offering to configure ACL on your partitions. ACL stands for Access Control Lists, and is a Linux kernel feature that allows access to individual files to be restricted to named users. ACL is built into Ext4 and Btrfs file systems, but must be enabled by an option in Ext2, Ext3, or Reiserfs partitions. If you select 'Yes' to this prompt drakguard will configure all your partitions to support ACL, and will then suggest you reboot.

⁴⁶You can start this tool from the command line, by typing **drakguard** as root.

Enable parental control: If checked, the parental control is enabled and the access to Block programs tab is opened.

Block all network traffic: If checked, all the websites are blocked, except the ones in the whitelist tab. Otherwise, all the websites are allowed, except the ones in the blacklist tab.

User access: Users on the left hand side will have their access restricted according to the rules you define. Users on the right hand side have unrestricted access so adult users of the computer are not inconvenienced. Select a user in the left hand side and click on Add to add him/her as an allowed user. Select an user in the right hand side and click on Remove to remove him/her from the allowed users.

Time control: If checked, internet access is allowed with restrictions between the Start time and End time. It is totally blocked outside these time window.

10.5.2.1. Blacklist/Whitelist tab

Enter the website URL in the first field at the top and click on the Add button.

10.5.2.2. Block Programs Tab

Block Defined Applications: Enables the use of ACL to restrict access to specific applications. Insert the path to the applications you wish to block.

Unblock Users list: Users listed on the right hand side will not be subject to acl blocking.

11. Avvio

In this screen you can choose between several tools to configure your boot steps. Click on a link below to learn more.

Configura la sequenza di avvio

1. [Sezione 11.1, «Imposta l'accesso automatico»](#)
2. [Sezione 11.2, «Configura l'avvio del sistema»](#)
3. [Sezione 11.3, «Imposta il gestore grafico delle sessioni»](#)

11.1. Imposta l'accesso automatico

drakautologin

This tool⁴⁷ allows you to automatically login the same user, in her/his desktop environment, without asking for any password. It's called autologin. This is generally a good idea when there is only one user like to be using the machine.

It is found under the **Boot** tab in the Mageia Control Center labelled "Set up autologin to automatically log in".

I bottoni di interfaccia sono piuttosto semplici:

Check Launch the graphical environment when your system starts, if you want X Window System to be executed after the boot. If not, the system will start in text mode. Nevertheless, it will be possible to launch the graphic interface manually. This can be done by launching the command 'startx' or 'systemctl start dm'.

If the first box is checked, two other options are available, check either No, I don't want autologin, if you want the system to continue to ask for which user to connect (and password) or check Yes, I want autologin with this (user, desktop), if needed. In this case, you also need to supply the Default username and the Default desktop.

⁴⁷Puoi avviare questo tool da linea di comando scrivendo **drakautologin** come root.

11.2. Configura l'avvio del sistema

drakboot

If you are using a UEFI system instead of BIOS, the user interface is slightly different as the boot device is obviously the EFI system Partition (ESP).

Questo strumento⁴⁸ ti permette di accedere alla console che viene automaticamente aperta come root. Non pensiamo che tu debba sapere altro al riguardo.

Si trova nel Centro di Controllo di Mageia, nella scheda Dischi Locali, etichettata "Condividi le partizioni del disco fisso".



Non usare questo strumento se non sai esattamente quello che stai facendo. Cambiare alcune impostazioni può impedire alla tua macchina di eseguire il boot!

In the first part, called Bootloader, it is possible if using BIOS, to choose which Bootloader to use, Grub, Grub2 or Lilo, and with a graphical or a text menu. It is just a question of taste, there are no other consequences. You can also set the Boot device, don't change anything here unless you are an expert. The boot device is where the bootloader is installed and any modification can prevent your machine from booting.

In a UEFI system, the bootloader is Grub2-efi and is installed in /boot/EFI partition. This FAT32 formatted partition is common to all operating systems installed.

In the second part, called Main options, you can set the Delay before booting default image, in seconds. During this delay, Grub or Lilo will display the list of available operating systems, prompting you to make your choice. If no selection is made, the bootloader will boot the default one once the delay elapses.

In the third and last part, called Security, it is possible to set a password for the bootloader. This means a username and password will be asked at the boot time to select a booting entry or change settings. The username is "root" and the password is the one chosen here.

The Advanced button gives some extra options.

Enable ACPI:

ACPI (Advanced Configuration and Power Interface) is a standard for the power management. It can save energy by stopping unused devices, this was the method used before APM. Check this box if your hardware is ACPI compatible.

Abilita SMP:

SMP sta per Symmetric Multi Processors, è un'architettura per processori multicore.



Se hai un processore con HyperThreading Mageia lo vedrà come un processore dual e abiliterà SMP.

Enable APIC and Enable Local APIC:

APIC stands for Advanced Programmable Interrupt Controller. There are two components in the Intel APIC system, the local APIC (LAPIC) and the I/O APIC. The latter one routes the interrupts it receives from

⁴⁸You can start this tool from the command line, by typing **drakboot** as root.

peripheral buses to one or more local APICs that are in the processor. It is really useful for multi-processor systems. Some computers have problems with the APIC system which can cause freezes or incorrect device detection (error message "spurious 8259A interrupt: IRQ7"). In this case, disable APIC and/or Local APIC.

The Next screen differs depending on which boot loader you chose.

- You have Grub Legacy or Lilo:

In this case, you can see the list of all the available entries at boot time. The default one is asterisked. To change the order of the menu entries, click on the up or down arrows to move the selected item. If you click on the Add or Modify buttons, a new window appears to add a new entry in the boot loader menu or to modify an existing one. You need to be familiar with Lilo or Grub to be able to use these tools.

The Label field is freeform, write here what you want to be displayed in the menu. It matches the Grub command "title". For example: Mageia3.

The Image field contains the kernel name. It matches the Grub command "kernel". For example /boot/vmlinuz.

The Root field contains the device name where the kernel is stored. It matches the Grub command "root". For example (hd0,1).

The Append field contains the options to be given to the kernel at boot time.

If the box Default is checked, Grub will boot this entry by default.

In the extra screen called Advanced, it is possible to choose the Video mode, an initrd file and a network profile, see [Sezione 6.6, «Gestisci i diversi profili di rete»](#), in the drop-down lists.

- You have Grub2 or Grub2-efi (boot loaders used by default respectively in Legacy mode and UEFI mode):

In this case, the drop-down list labelled Default displays all the available entries; click on the one wanted as the default one.

The Append field contains the options to be given to the kernel at boot time.

If you have other operating systems installed, Mageia attempts to add them to your Mageia boot menu. If you don't want this behaviour, uncheck the box Probe Foreign OS

In the extra screen called Advanced, it is possible to choose the Video mode. If you don't want a bootable Mageia, but to chain load it from another OS, check the box Do not touch ESP or MBR and accept the warning.



Not installing on ESP or MBR means that the installation is not bootable unless chain loaded from another OS.

To set many other parameters, you can use the tool named *Grub Customizer*, available in the Mageia repositories (see below).

11.3. Imposta il gestore grafico delle sessioni

drakedm

Here⁴⁹ you can choose which display manager to use to log into your desktop environment. Only the ones available on your system will be shown.

Most users will only notice that the provided login screens look different. However, there are differences in supported features, too. LXDM is a lightweight display manager, SDDM and GDM have more extras.

12. Altri strumenti di Mageia

There are more Mageia tools than those that can be started in the Mageia Control Center. Click on a link below to learn more, or continue reading the next pages.

1. [Sezione 12.1, «Strumento per la segnalazione di bug di Mageia»](#)*drakbug*
2. [Sezione 12.2, «Collect Logs and System Information for Bug Reports»](#)*drakbug_report*
3. [Sezione 12.3, «Display Available NFS And SMB Shares»](#)*TO BE WRITTEN*
4. [Sezione 12.4, «Mostra le informazioni riguardo PCI, USB e PCMCIA»](#)
5. E altri strumenti?

12.1. Strumento per la segnalazione di bug di Mageia

drakbug

Usually, this tool⁵⁰ starts automatically when a Mageia tool crashes. However, it is also possible that, after filing a bug report, you are asked to start this tool to check some of the information it gives, and then provide that in that existing bug report.

If a new bug report needs to be filed and you are not used to doing that, then please read [How to report a bug report properly](https://wiki.mageia.org/en/How_to_report_a_bug_properly) [https://wiki.mageia.org/en/How_to_report_a_bug_properly] before clicking on the "Report" button.

In case the bug has already been filed by someone else (the error message that *drakbug* gave will be the same, then), it is useful to add a comment to that existing report that you saw the bug, too.

12.2. Collect Logs and System Information for Bug Reports

drakbug_report

This tool⁵¹ can only be started and used on the command line.

It is advised to write the output of this command to a file, for instance by doing **drakbug_report > drakbug-report.txt**, but make sure you have enough disk space first: the file can easily be several GBs large.



L'output è troppo grande per essere allegato a un bug report senza cancellare le parti non necessarie.

Questo comando raccoglie le seguenti informazioni sul tuo sistema:

- `lspci`

⁴⁹You can start this tool from the command line, by typing **drakedm** as root.

⁵⁰You can start this tool from the command line, by typing **drakbug**.

⁵¹You can start this tool from the command line, by typing **drakbug_report** as root.

-
- pci_devices
 - dmidecode
 - fdisk
 - scsi
 - /sys/bus/scsi/devices
 - lsmod
 - cmdline
 - pcmcia: stab
 - usb
 - partizioni
 - cpuinfo
 - syslog
 - Xorg.log
 - monitor_full_edid
 - stage1.log
 - ddebug.log
 - install.log
 - fstab
 - modprobe.conf
 - lilo.conf
 - grub: menu.lst
 - grub: install.sh
 - grub: device.map
 - xorg.conf
 - urpmi.cfg
 - modprobe.preload
 - sysconfig/i18n
 - /proc/iomem
 - /proc/ioport
 - Versione di Mageia
 - rpm -qa
 - df



At the time this help page was written, the "syslog" part of this command's output was empty, because this tool had not yet been adjusted to our switch to systemd. If it is still empty, you can retrieve the "syslog" by doing (as root) **journalctl -a > journalctl.txt**. If you don't have a lot of disk space, you can, for instance, take the last 5000 lines of the log instead with: **journalctl -a | tail -n5000 > journalctl5000.txt**.

12.3. Display Available NFS And SMB Shares

lsnetdrake

This tool ⁵² can only be started and used on the command line.

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12.4. Mostra le informazioni riguardo PCI, USB e PCMCIA

lspcidrake

This tool ⁵³ can only be started and used on the command line. It will give some more information if used under root.

lspcidrake gives the list of all the connected devices to the computer (USB, PCI and PCMCIA) and the used drivers. It needs the **lshw** and **lshw-usb** packages to work.

With the **-v** option, **lspcidrake** adds the vendor and device identifications.

lspcidrake often generates very long lists, so, to find an information, it is often used in a pipeline with the **grep** command, like in these examples:

Informazioni sulla scheda grafica;

lspcidrake | grep VGA

Informazioni sul network

lspcidrake | grep -i network

-i per ignorare la distinzione di maiuscolo e minuscolo.

In this screenshot below, you can see the action of the **-v** option for **lspcidrake** and the **-i** option for **grep**.

There is another tool that gives information about the hardware, it is called **dmidecode** (under root)

⁵²You can start this tool from the command line, by typing **lsnetdrake**.

⁵³You can start this tool from the command line, by typing **lspcidrake**.