

Escritorios remotos de MVs Linux con X2Go

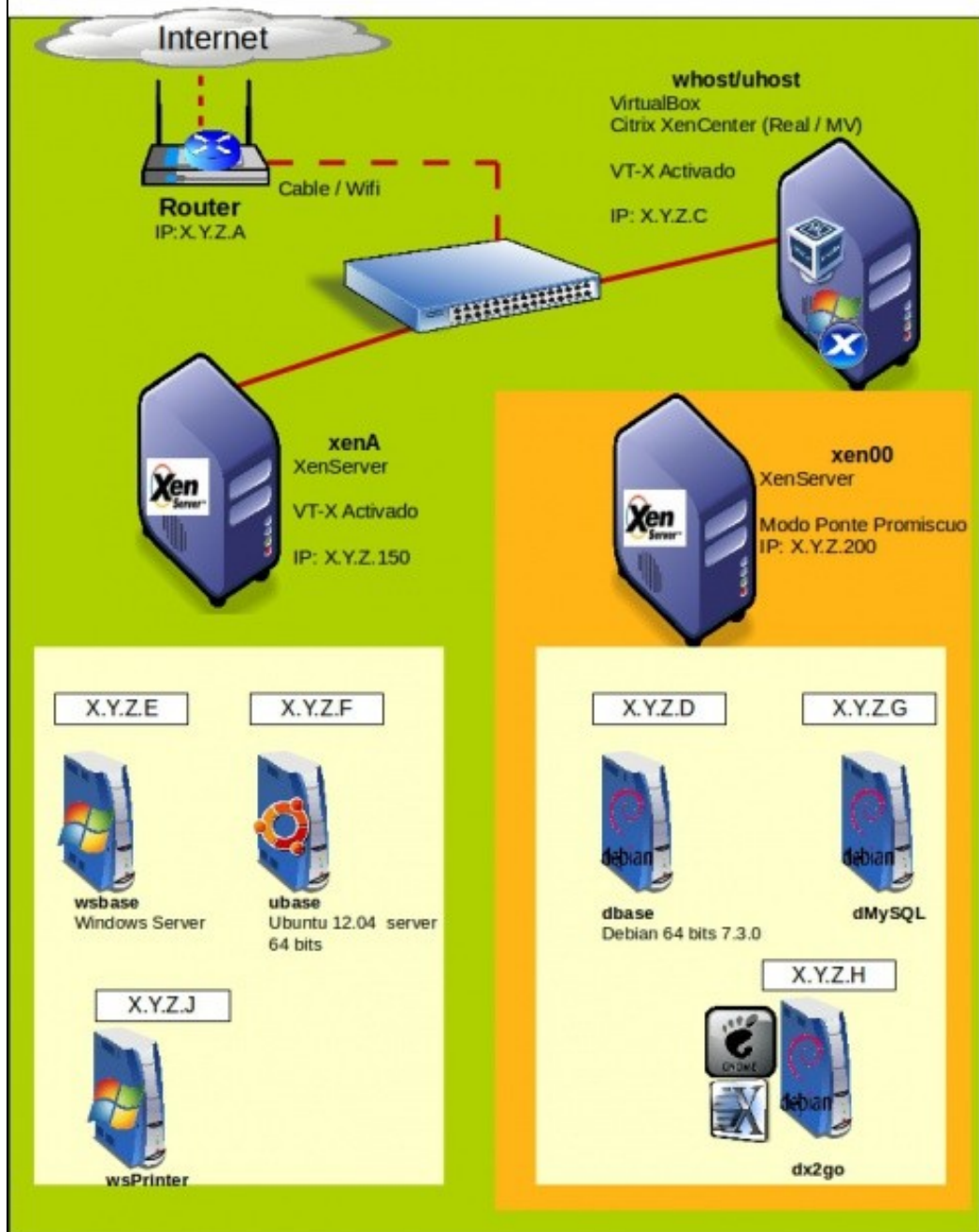
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Introducción

- Hai veces nas que se desexa ter un servidor de escritorios en Linux, ben para os usuarios que se conectan remotamente, ben para ter un contorno gráfico nunha MV, etc.
 - Neste apartado vaise instalar o servidor de escritorios remotos de Linux: **X2Go**.
 - Para iso vaise instalar o servidor de escritorio Gnome na MV **dx2go**.
 - **NOTA IMPORTANTE:** dende XenCenter non se vai poder acceder ao entorno gráfico dun equipo Linux, hai que facelo a través de clientes VNC, NX ou outros, neste caso X2Go baséase en NX.
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- O escenario 5.C amosa o equipo **dx2go** no que se vai instalar Gnome e X2Go:

Escenario 5.D: Configurar escritorio gráfico e remoto.

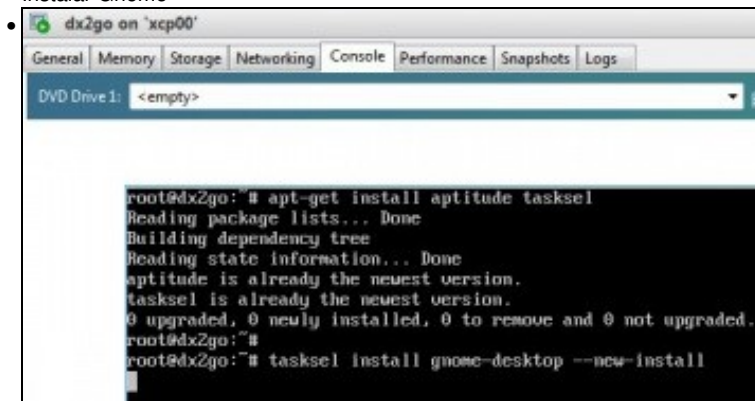


Instalación Gnome en Debian

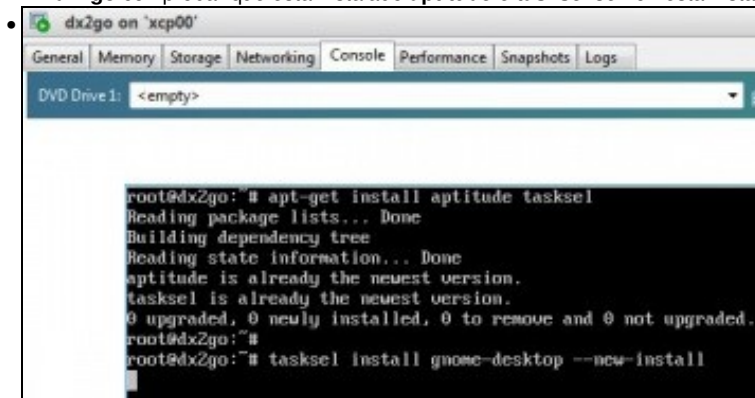
- No enlace <http://wiki.debian.org/Gnome> indícanse varias formas de instalar Gnome en Debian, e cada unha delas ten as súas opcións e particularidades.
- Neste caso, vaise escoller aquela que equivale a instalar Gnome no momento da instalación de Debian, cando pregunta que coleccións de software se desexarían instalar (Graphical desktop enviroment).



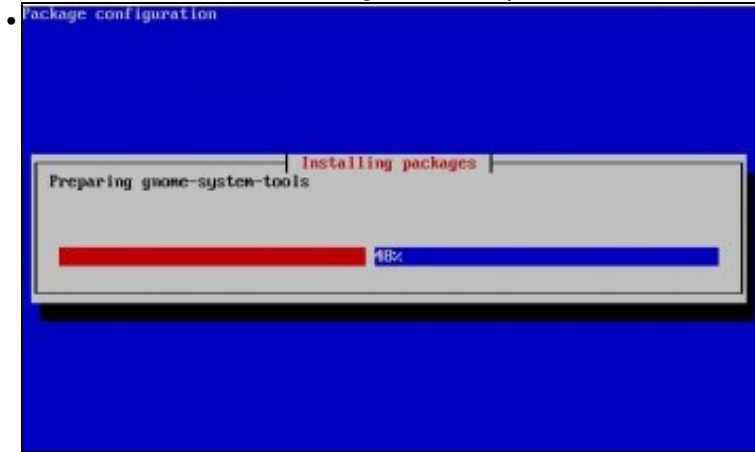
- Instalar Gnome



En **dx2go** comprobar que está instalado **aptitude** e **tasksel** se non está instalado, instalalos: **apt-get install aptitude tasksel**.



Lanzar o instalador: **taskel install gnome-desktop --new-install**



Proceso da instalación de Gnome e os paquetes asociados.

Unha vez rematada a instalación pódese comprobar que o escritorio Gnome non se ve na consola da MV en XenCenter.

Para acceder ao escritorio de **dx2go**, pódese facer uso de **VNC**, **X2Go**, **FreeNx**, etc.

Instalación Servidores gráficos Gnome / XFCE en Ubuntu Server

- O seguinte só vale para versións **13.04** ou inferiores de Ubuntu.

```
sudo apt-get install ubuntu-desktop
```

- ♦ Tamén vai instalar o contorno Unity.

- No caso de ter instalado o servidor **13.10 de Ubuntu ou superior** o servidor gráfico Gnome non vai funcionar para X2go.
- No seu lugar imos instalar o servidor gráfico **XFCE**

```
sudo add-apt-repository ppa:xubuntu-dev/xfce-4.12
sudo apt-get update
sudo apt-get install xfce4
```

- Poderíase instalar outro, pero ese vai funcionar perfectamente para as prácticas que se van realizar neste curso.

X2Go

- A continuación vaise instalar o servidor X2Go en Debian e o cliente en Ubuntu.

Instalar o servidor X2Go en Debian

- **NOTA:** Para a instalación en Ubuntu pasar ao seguinte punto.
- Seguir as instrucións que se indican na propia web de X2Go: <http://wiki.x2go.org/doku.php/wiki:repositories:debian>
- Trátase de engadir o repositorio de X2Go e logo instalalo.
- Comezamos importando a chave do repositorio de onde se vai descargar X2Go.

```
apt-key adv --recv-keys --keyserver keys.gnupg.net E1F958385BFE2B6E
```

- Instalar X2Go Server

```
GNU nano 2.2.4 File: /etc/apt/sources.list.d/x2go.list Modified
# X2Go Repository
deb http://packages.x2go.org/debian squeeze main
# X2Go Repository (sources)
deb-src http://packages.x2go.org/debian squeeze main

^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos
^X Exit ^J Justify ^U Where Is ^V Next Page ^I UnCut Text ^T To Spell
```

Engadir o repositorio de X2Go no ficheiro `x2go.list`: `editor /etc/apt/sources.list.d/x2go.list`

Engadir as liñas do repositorio:

X2Go Repository

deb <http://packages.x2go.org/debian> squeeze main

X2Go Repository (sources)

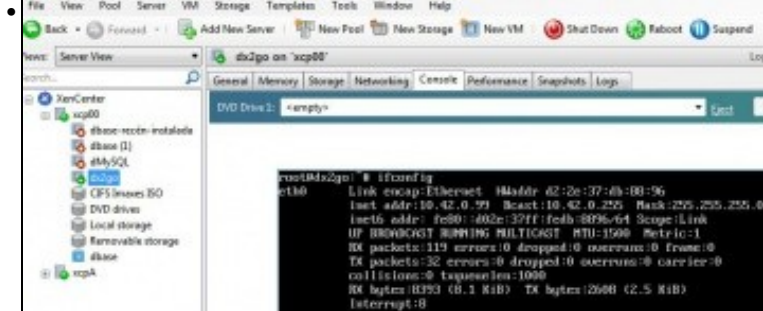
deb-src <http://packages.x2go.org/debian> squeeze main

```
Get:16 http://ftp.es.debian.org squeeze-updates/main amd64 Packages/DiffIndex [3
265 B]
Get:17 http://ftp.es.debian.org squeeze-updates/main amd64 Packages [4663 B]
Fetched 11.8 MB in 26s (441 kB/s)
Reading package lists... Done
root@x2go:~# apt-get install x2go-keyring
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  x2go-keyring
0 upgraded, 1 newly installed, 0 to remove and 2 not upgraded.
Need to get 16.2 kB of archives.
After this operation, 69.6 kB of additional disk space will be used.
Get:1 http://packages.x2go.org/debian/ squeeze/main x2go-keyring all 2012.07.23+
squeeze~main~17~build1 [16.2 kB]
Fetched 16.2 kB in 0s (49.2 kB/s)
Selecting previously deselected package x2go-keyring.
(Reading database ... 116732 files and directories currently installed.)
Unpacking x2go-keyring (from .../x2go-keyring_2012.07.23+squeeze~main~17~build1
all.deb) ...
Setting up x2go-keyring (2012.07.23+squeeze~main~17~build1) ...
Updating API keyring - OK
root@x2go:~# apt-get install x2goserver
```

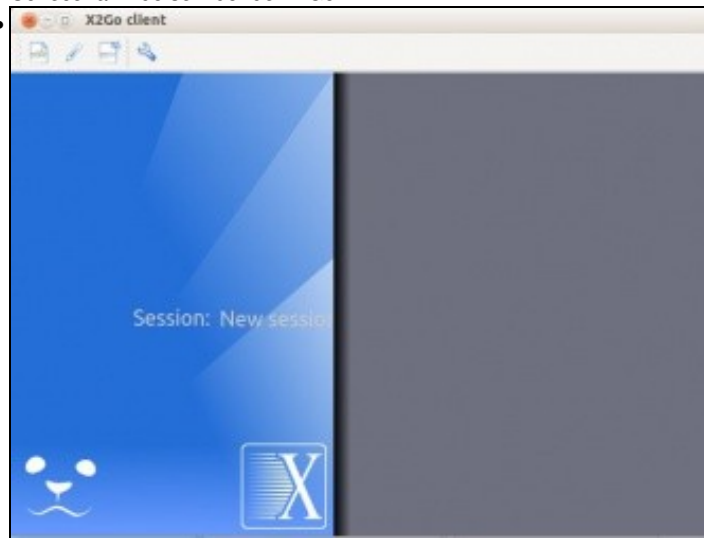
Actualizar os repositorios: `apt-get update`

```
Get:16 http://ftp.es.debian.org squeeze-updates/main amd64 Packages/DiffIndex [3
265 B]
Get:17 http://ftp.es.debian.org squeeze-updates/main amd64 Packages [4663 B]
Fetched 11.8 MB in 26s (441 kB/s)
Reading package lists... Done
root@x2go:~# apt-get install x2go-keyring
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
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squeeze~main~17~build1 [16.2 kB]
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all.deb) ...
Setting up x2go-keyring (2012.07.23+squeeze~main~17~build1) ...
Updating API keyring - OK
root@x2go:~# apt-get install x2goserver
```

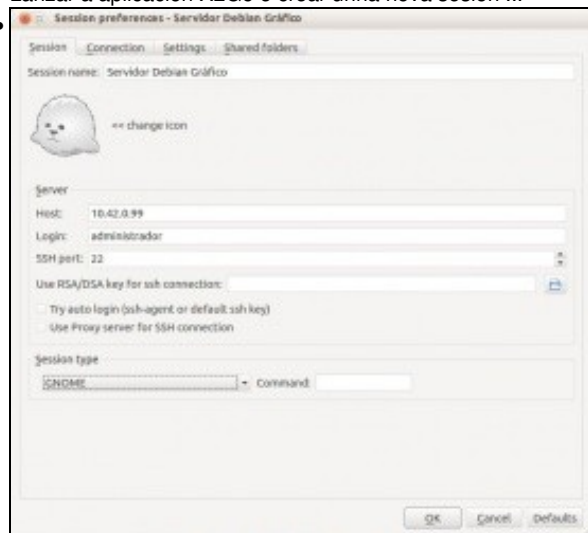
```
Get:16 http://ftp.es.debian.org squeeze-updates/main amd64 Packages/DiffIndex 13
265 B
Get:17 http://ftp.es.debian.org squeeze-updates/main amd64 Packages 14663 B
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Reading package lists... Done
root@x2go:~# apt-get install x2go-keyring
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Building dependency tree
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The following NEW packages will be installed:
  x2go-keyring
0 upgraded, 1 newly installed, 0 to remove and 2 not upgraded.
Need to get 16.2 kB of archives.
After this operation, 69.6 kB of additional disk space will be used.
Get:1 http://packages.x2go.org/debian/ squeeze/main x2go-keyring all 2012.07.23+
squeeze-main~17~build1 [16.2 kB]
Fetched 16.2 kB in 0s (49.2 kB/s)
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(Reading database ... 116732 files and directories currently installed.)
Unpacking x2go-keyring (from .../x2go-keyring_2012.07.23+squeeze-main~17~build1
_all.deb) ...
Setting up x2go-keyring (2012.07.23+squeeze-main~17~build1) ...
Updating API keyring - OK
root@x2go:~# apt-get install x2goserver
```



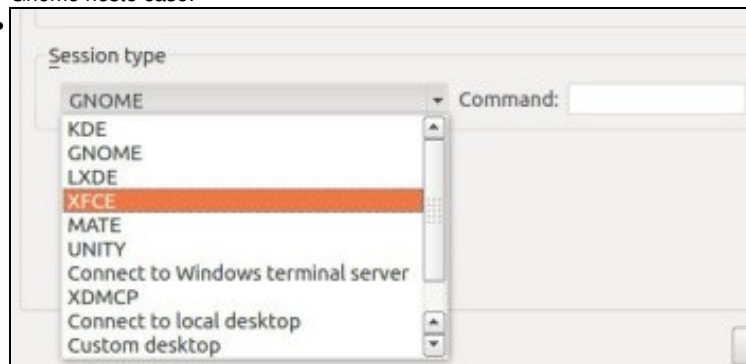
Coñecer a IP do servidor de X2Go.



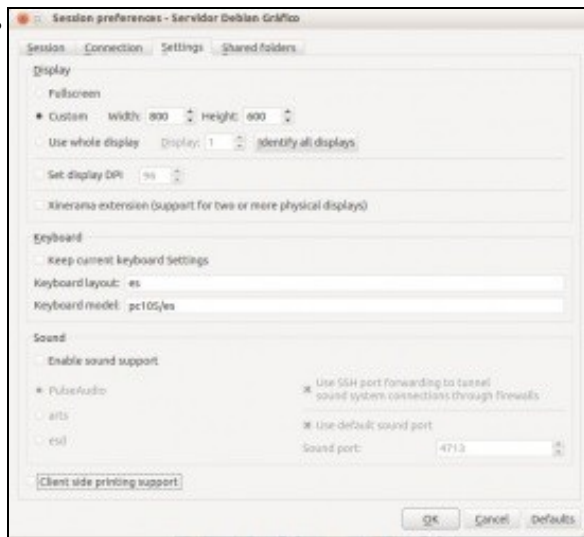
Lanzar a aplicación X2Go e crear unha nova sesión ...



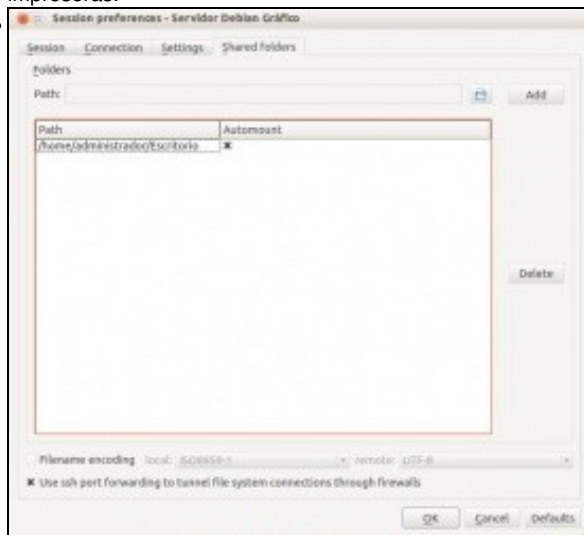
Poñer o nome da sesión, a IP do servidor, o usuario co que desexamos conectarnos ao servidor (opcional), o porto, **O tipo de Escritorio**, Gnome neste caso.



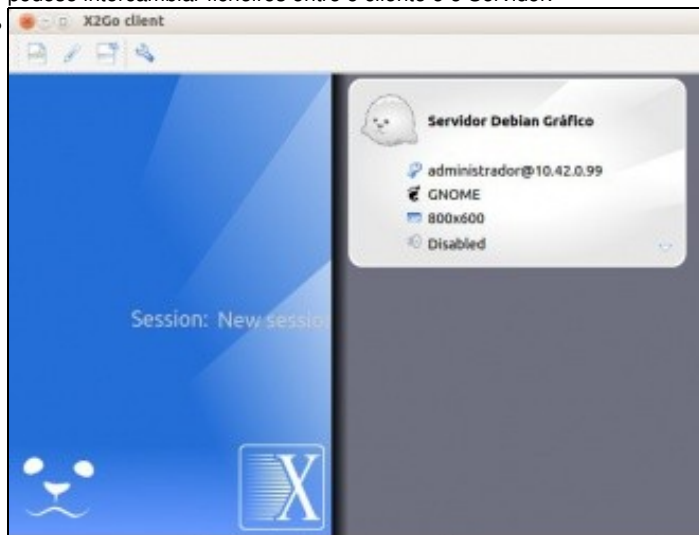
Se o servidor dispuxese doutros servidores gráficos habería que escoller o desexado.



Na lapela de **Settings** configurar o tamaño da pantalla, o mapa de teclado, fixarse que se cambiou **us** por **es**, desactivar o son e o cliente de impresoras.



Na lapela de **Shared Folders** pódese engadir, se se desexa unha carpeta do equipo local e permitir que se auto-monte no servidor. Así pódese intercambiar ficheiros entre o cliente e o Servidor.



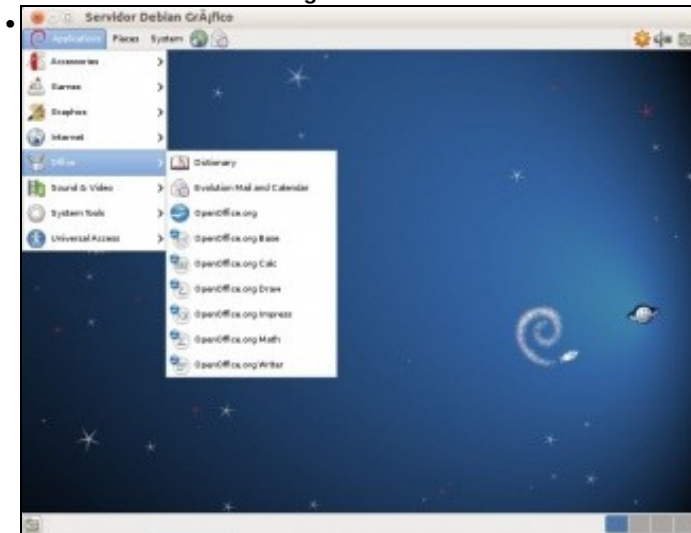
Unha vez aceptada, premer sobre a cara do boneco, por exemplo, da sesión desexada.



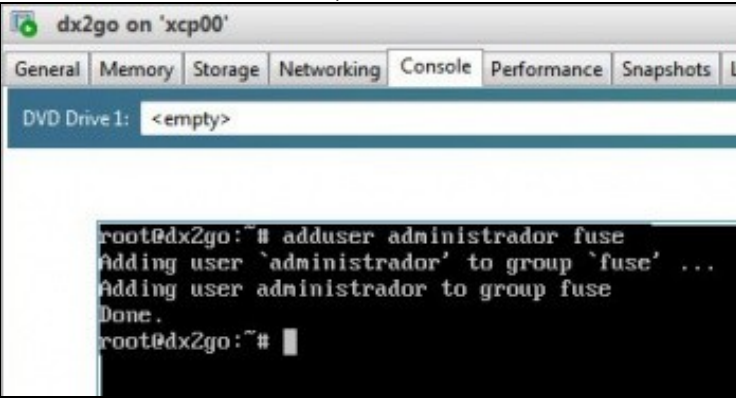
Poñer o usuario e o contrasinal do servidor de destino.



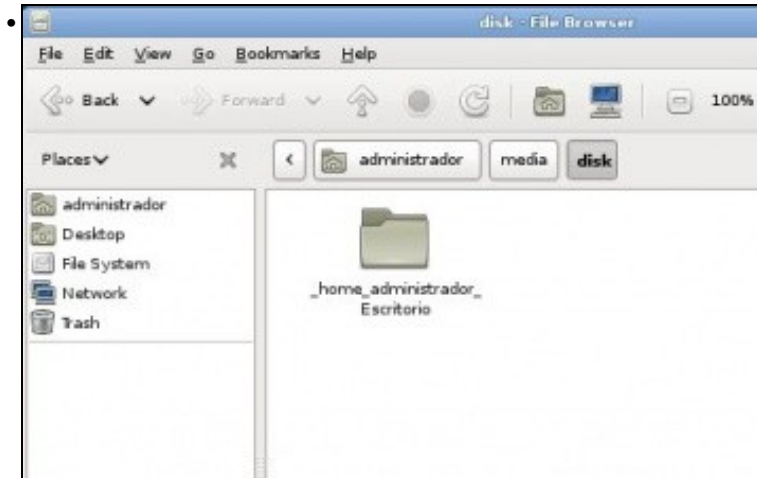
O escritorio en remoto de **dx2go**.



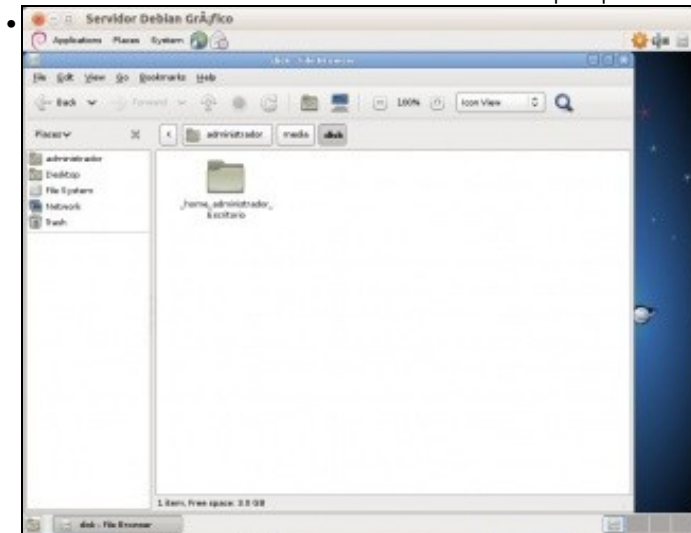
Os menús, etc. Pero non está a carpeta de intercambio entre o cliente e o servidor.

- A terminal window titled "dx2go on 'xcp00'" with tabs for General, Memory, Storage, Networking, Console, Performance, and Snapshots. The Console tab is active, showing a terminal session where the command `adduser administrador fuse` is executed. The output shows the user being added to the 'fuse' group. The prompt is `root@dx2go:~#`.

Para iso no servidor hai que engadir os usuarios cos que se van realizar as conexións ao servidor ao grupo **fuse**, neste caso: **adduser administrador fuse**



Volvemos a conectarnos dende o Cliente X2Go e na carpeta persoal do usuario ir a **media/disk**, aí está a carpeta compartida polo cliente.



Da sesión pódese saír como se sairía nunha sesión normal. O servidor nunca se vai poder apagar dende o contorno gráfico dunha sesión de X2Go. Pero se se pecha na "X" do cliente X2Go, a sesión segue aberta no servidor e poderíamos conectarnos a ela dende outro cliente. É como se nun ordenador normal simplemente se apagase o monitor.

```
root@dx2go:~# x2golistsessions_root
29648|administrador-50-1368439173_stdGDMOEM_dp24|50|dx2go|3|2013-05-13T11:59:33|c
b5990b05067af7a992c2b3fe006f92e|10.42.0.1|30001|30002|2013-05-13T12:02:59|admini
strador|270|30003|
root@dx2go:~#
root@dx2go:~#
root@dx2go:~# x2go
x2goagent          x2gopath
x2gobasepath       x2goresume-session
x2gocleansessions  x2goruncommand
x2gocndexitmessage x2goserver-run-extensions
x2godbadmin        x2gosessionlimit
x2gofeature        x2gosetkeyboard
x2gofeaturelist    x2goshowlocks
x2gogetapps        x2gostrtagent
x2gogetservers     x2gosuspend-session
x2golistdesktops   x2goterminate-session
x2golistmounts      x2gountmount-session
x2golistsessions   x2gountmount_session
x2golistsessions_root x2goversion
x2gountmountdirs
root@dx2go:~# x2goterminate-session administrador-50-1368439173_stdGDMOEM_dp24
root@dx2go:~# x2golistsessions_root
root@dx2go:~#
```

Dende o servidor cos **comandos x2go*** pódese administrar o servidor e as sesións. Por exemplo, para ver as sesións activas:

x2golistsessions_root. (Olo co guión baixo)

```
root@dx2go:~# x2golistsessions_root
29648|administrador-50-1368439173_stdGDMOEM_dp24|50|dx2go|3|2013-05-13T11:59:33|c
b5990b05067af7a992c2b3fe006f92e|10.42.0.1|30001|30002|2013-05-13T12:02:59|admini
strador|270|30003|
root@dx2go:~#
root@dx2go:~#
root@dx2go:~# x2go
x2goagent          x2gopath
x2gobasepath       x2goresume-session
x2gocleansessions  x2goruncommand
x2gocndexitmessage x2goserver-run-extensions
x2godbadmin        x2gosessionlimit
x2gofeature        x2gosetkeyboard
x2gofeaturelist    x2goshowlocks
x2gogetapps        x2gostrtagent
x2gogetservers     x2gosuspend-session
x2golistdesktops   x2goterminate-session
x2golistmounts      x2gountmount-session
x2golistsessions   x2gountmount_session
x2golistsessions_root x2goversion
x2gountmountdirs
root@dx2go:~# x2goterminate-session administrador-50-1368439173_stdGDMOEM_dp24
root@dx2go:~# x2golistsessions_root
root@dx2go:~#
```

Para matar unha sesión dende o servidor: **x2goterminate-session <nome completo da sesión>**