

1.Backup

(1) Run g4l, Select the default option

```
G4L boot Menu - version 0.59a
A: bz4x19.186 x86      04-10-2021
B: bz5x4.111  x86      04-10-2021
C: bz5x10.29  x86      04-10-2021
D: bz5x11.13  x86      04-10-2021
J: Failsafe Menu
K: bz5x12.rc7 x86      04-11-2021
M: mentest86+-5.01
R: Reboot
T: Pre-Image Help File
U: Start Up Help File
V: Disclaimer File
Z: Hardware Detection Tool 0.5.2

Press [Tab] to edit options

Automatic boot in 4 seconds...
Kernel 5x11.13 from Kernel.org

http://sourceforge.net/projects/g4l
G4L
Michael Setzer II
mikes@guam.net
```

Select Exit to skip this option

```
Disclaimer concerning Copyright: Prior version(s) of g4l appear to have
been based on G4U a NetBSD-based bootfloppy/CD-ROM by
Hubert Feyrer <hubert@feyrer.de> Copyright(c) 1999,2000,2001,2002,2003,200
G4U: http://www.feyrer.de/g4u/ http://www.feyrer.de/g4u/g4l.html
The G4L project had an earlier author (nme), who original started
the project. Then it moved to fra_step, who wrote the current
version. 0.14beta, which is vastly different than 0.10
In addition to information at the G4U site above
G4L: https://sourceforge.net/projects/g4l
http://freshmeat.net/projects/g4l/
I've made modification to the g4l 0.14beta script to make
it better for my needs, and to provide this to others to use or not
I can not speak for the previous authors of G4U or G4L
I have currently load my modifications at a Fedora Server at my office
ftp://fedoragcc.dyndns.org

Hope this version is useful to you
Michael D. Setzer II, mikes@guam.net
Computer Science Instructor, Guam Community College

< EXIT >
```

Input g4l

```
Basic Instruction for using G4L
Option 1: Enter g4l, and use menus to fill in options.
Option 2: Enter g4l with parameter options
  $1 - IP address of FTP Server
  $2 - IMAGE NAME WITH EXTENSION
  $3 - USERID and PASSWORD either of two formats
      USERID:PASSWORD or '-u USERID -p PASSWORD'
  $4 - dhcp (default to get ipaddress from dhcpd) or fixed ipaddress
  $5 - change default directory from img to this
  $6 - eth0 (default or other device)
  $7 - reboot (blank no action, poweroff, reboot)
parameters must be used in order, but later ones can be left off
Option 3: fg4l [ftpserverip] [dev] [filename] (default front)
Option 4: efg4l [ftpserverip] [dev] [filename] (default front.bic)
Option 5: zyg4l [ftpserverip] [dev] [filename] userid:password
Option 6: zexg4l [ftpserverip] [dev] [filename] userid:password
Example:
g4l 192.168.0.1 test.lzo userx:passwordx dhcp img
- ← input g4l
<Run Option or drop to bash prompt if left blank>
```

Select Yes

```
INFORMATION
G4L - Disk Imaging with Linux
Frank Stephen 2013

G4L comes with ABSOLUTELY NO WARRANTY !
This is free Software, and you are welcome
to redistribute it freely. Read the online Help
for more info on this delicate topic.

USE AT OWN RISK!

Please use sourceforge and freecode sites
to present any issues. Generally checked daily

http://sourceforge.net/projects/g4l/
http://freecode.com/projects/g4l

Accept these conditions?
YES to proceed, NO to quit.

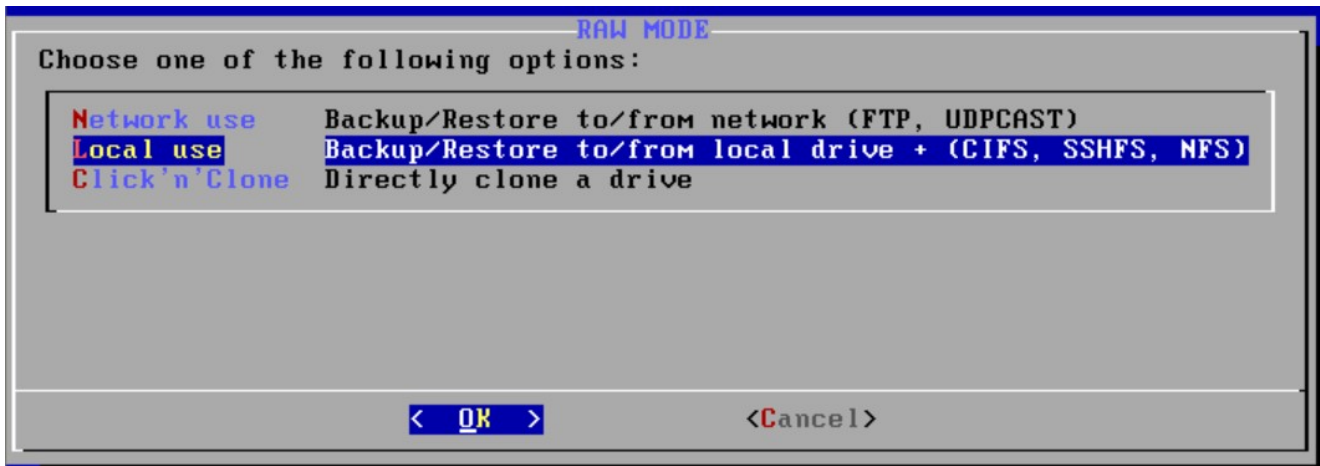
< Yes > < No >
```

Enter MAIN MENU, select RAW Mode

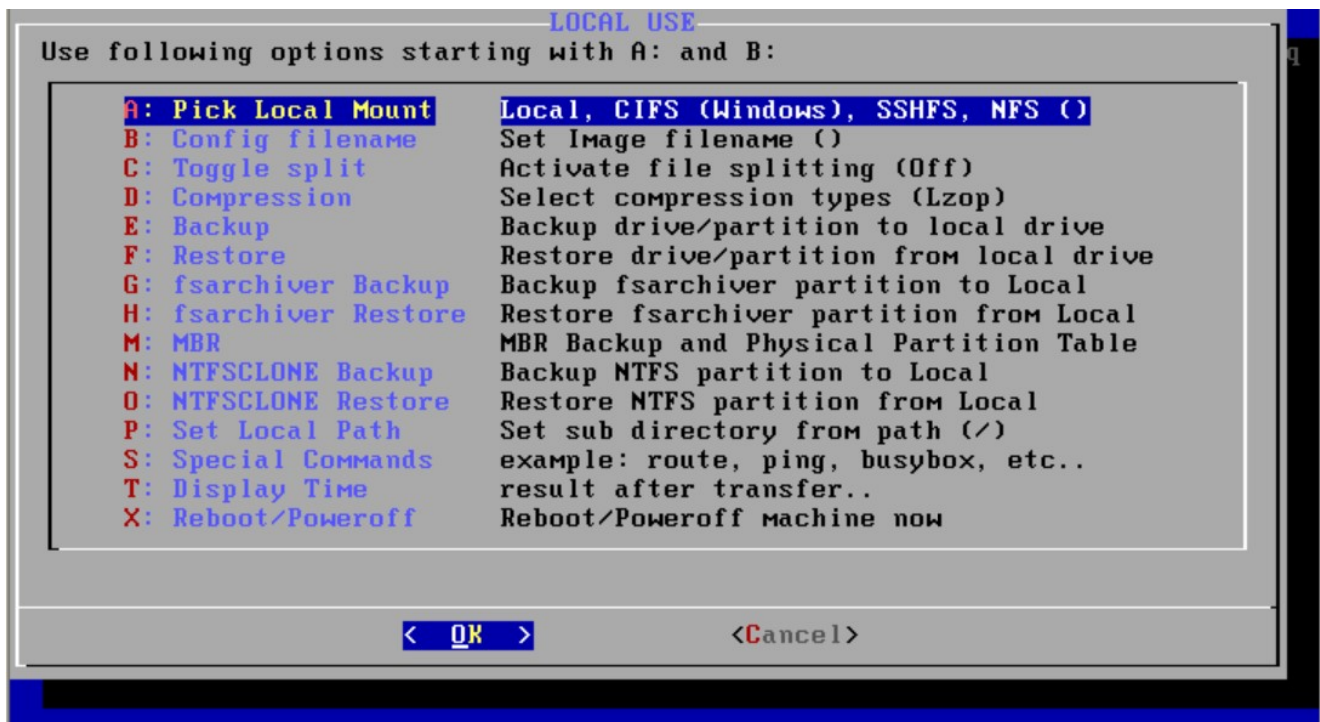
```
MAIN MENU
Choose your desired mode:
RAW Mode ANY filesystem, every bit, local+ftp+cifs(smb)+sshfs+nfs
File Mode Some filesystems only, only files, local+special server
Utilities System info and tools
Show Help Show IMPORTANT help

< OK > <Cancel>
```

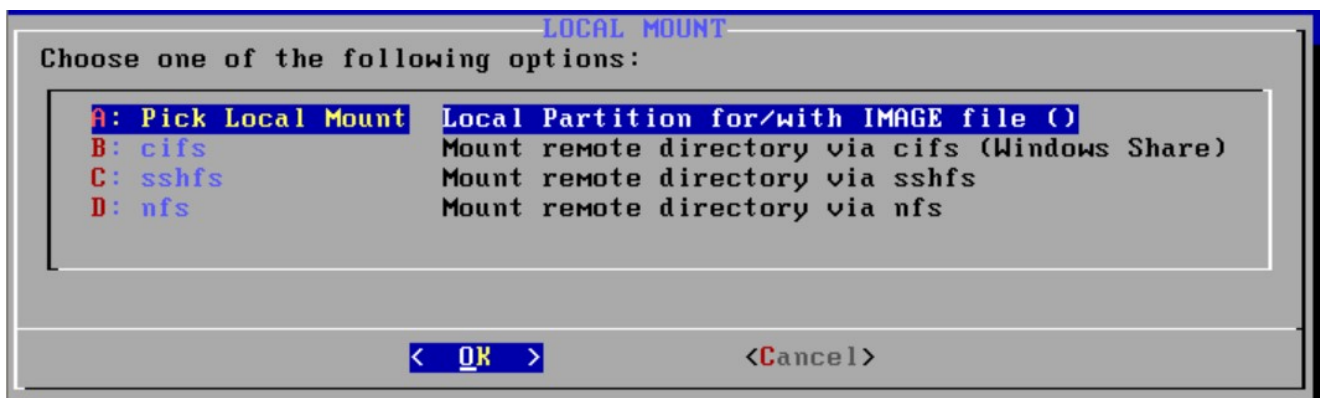
(2) select Local use (If you want to back up to an FTP server, select Network Use)



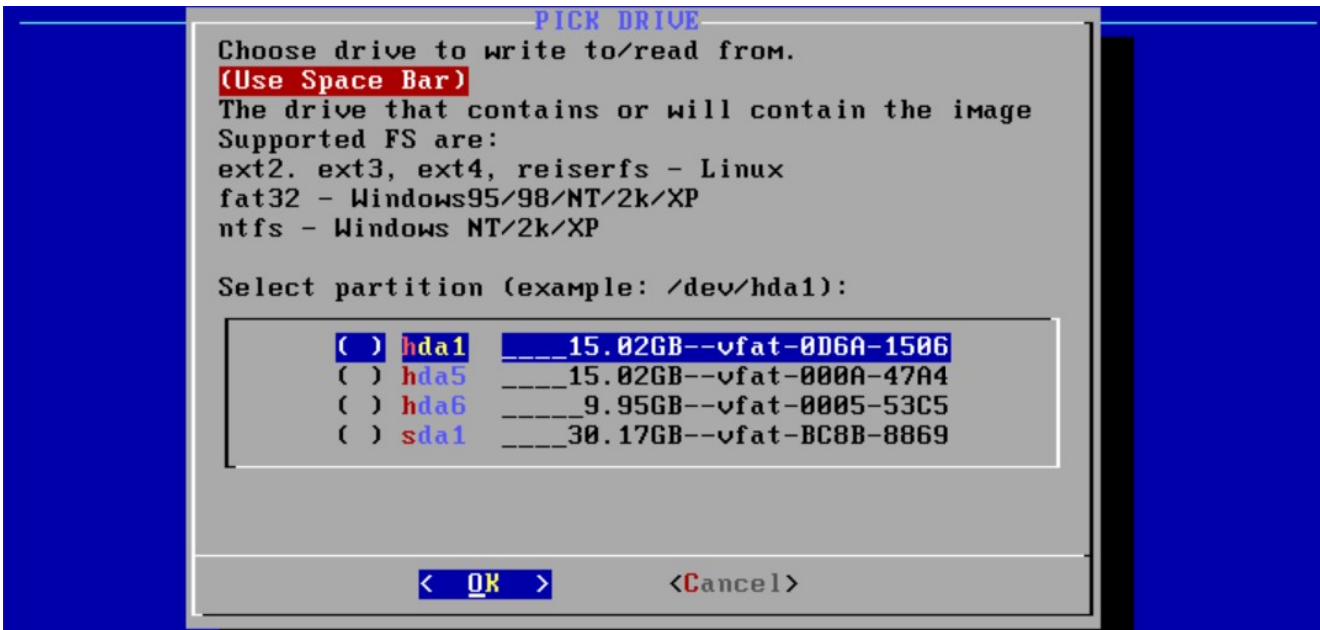
Select ok



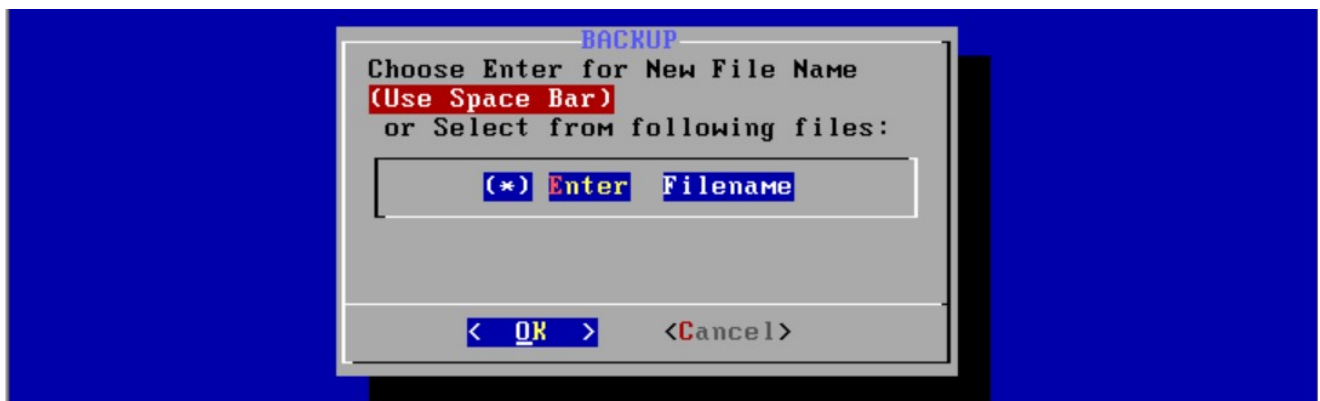
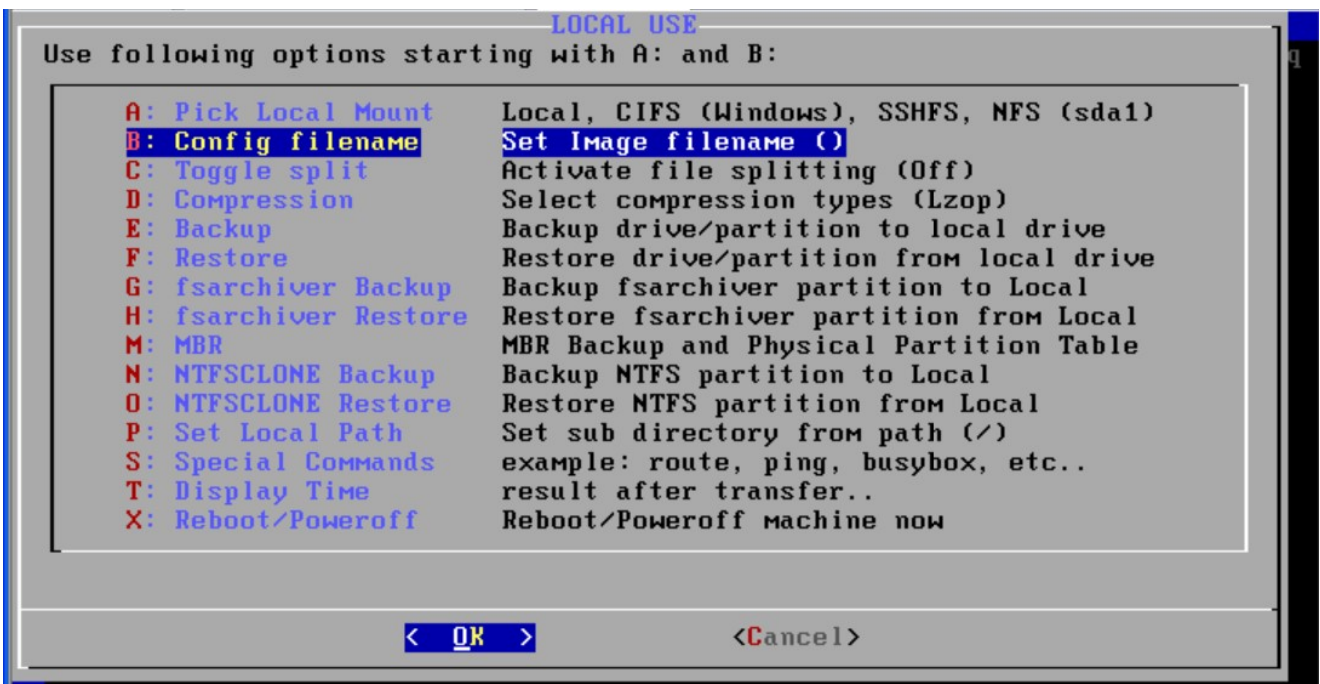
Set the target disk (The disk which you want to store backup image)



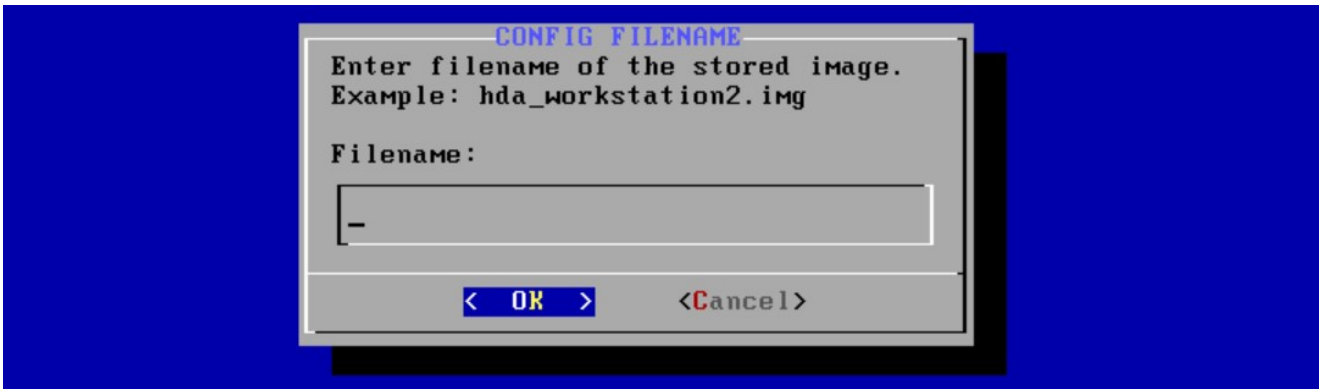
Use the space bar to select the disk which you want to save the backup image



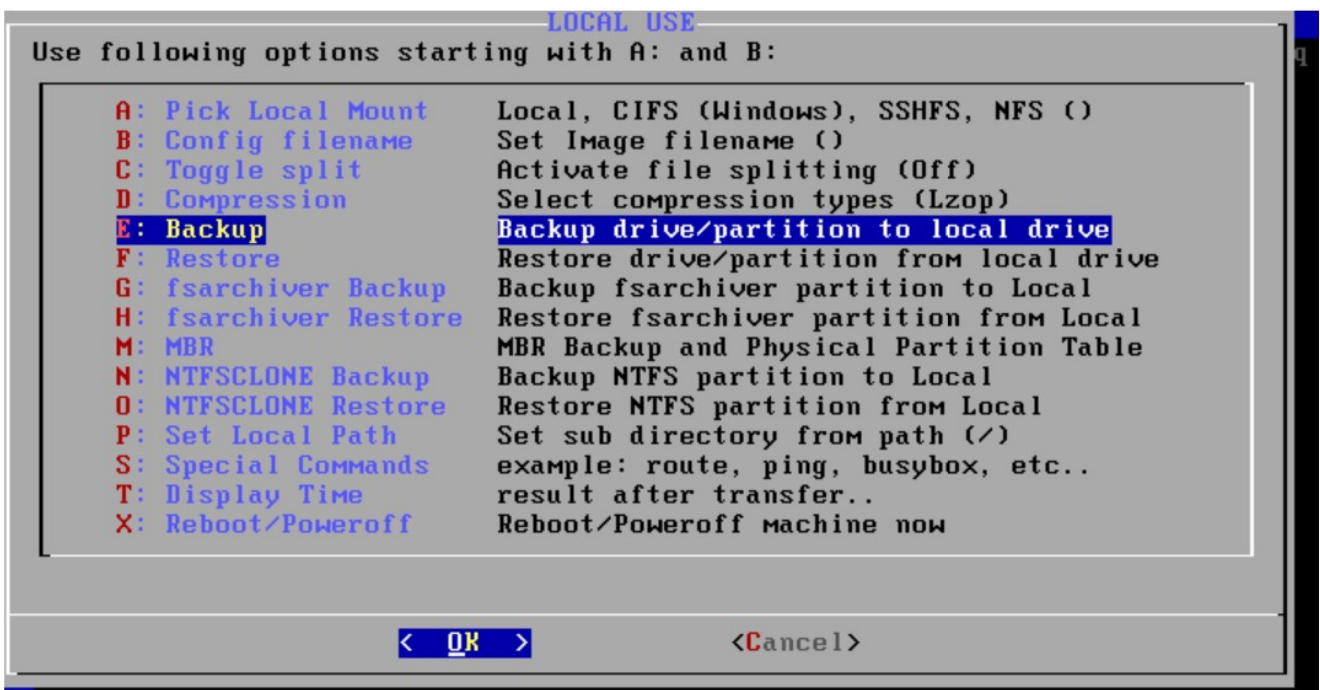
(3) Select the backup image file name



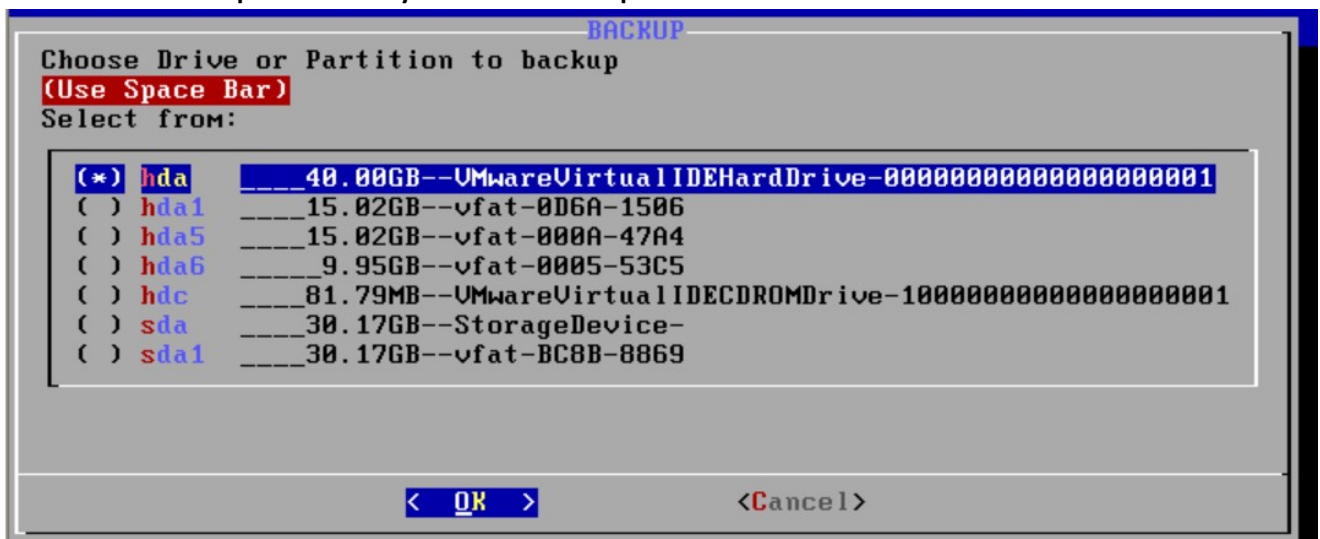
Enter a custom filename



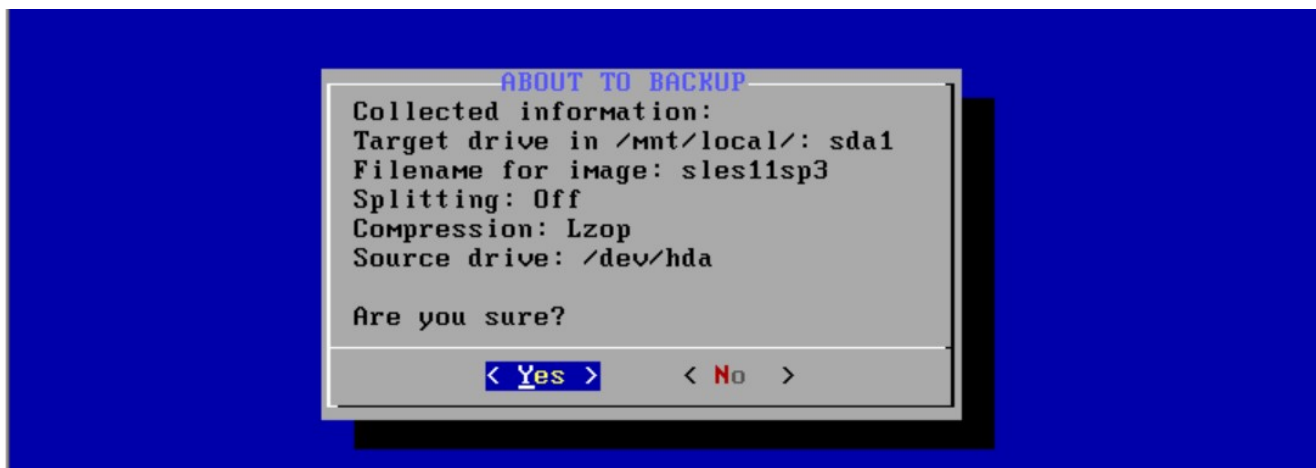
(4) BackUp Operation



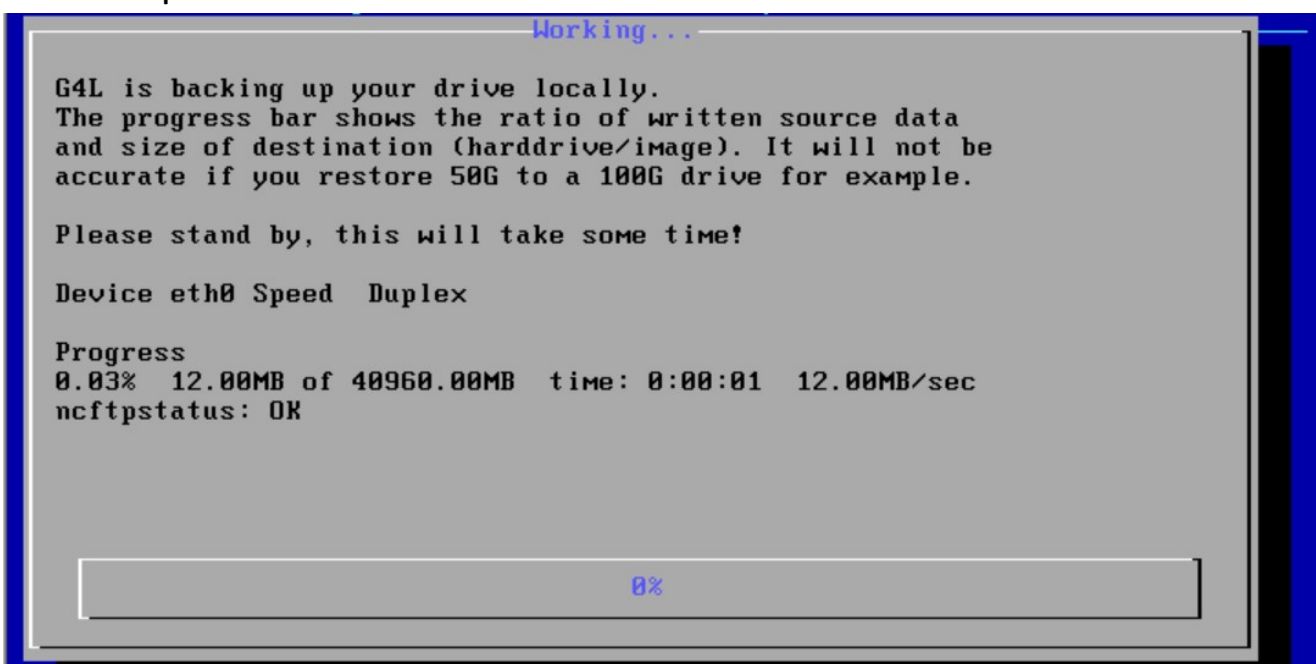
Select the disk or partition that you want to back up



Wait for a confirmation, select OK



Start Backup.....



2 Restore

(1) Run g4l, Select the default option

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Hubert Feyrer <hubert@feyrer.de> Copyright(c) 1999,2000,2001,2002,2003,200
G4U: http://www.feyrer.de/g4u/ http://www.feyrer.de/g4u/g4l.html
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it better for my needs, and to provide this to others to use or not
I can not speak for the previous authors of G4U or G4L
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Computer Science Instructor, Guam Community College

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Option 4: efg4l [ftpserverip] [dev] [filename] (default front.bic)
Option 5: zyg4l [ftpserverip] [dev] [filename] userid:password
Option 6: zexg4l [ftpserverip] [dev] [filename] userid:password
Example:
g4l 192.168.0.1 test.lzo userx:passwordx dhcp img
- ← input g4l
<Run Option or drop to bash prompt if left blank>
```

Select Yes

```
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http://freecode.com/projects/g4l

Accept these conditions?
YES to proceed, NO to quit.

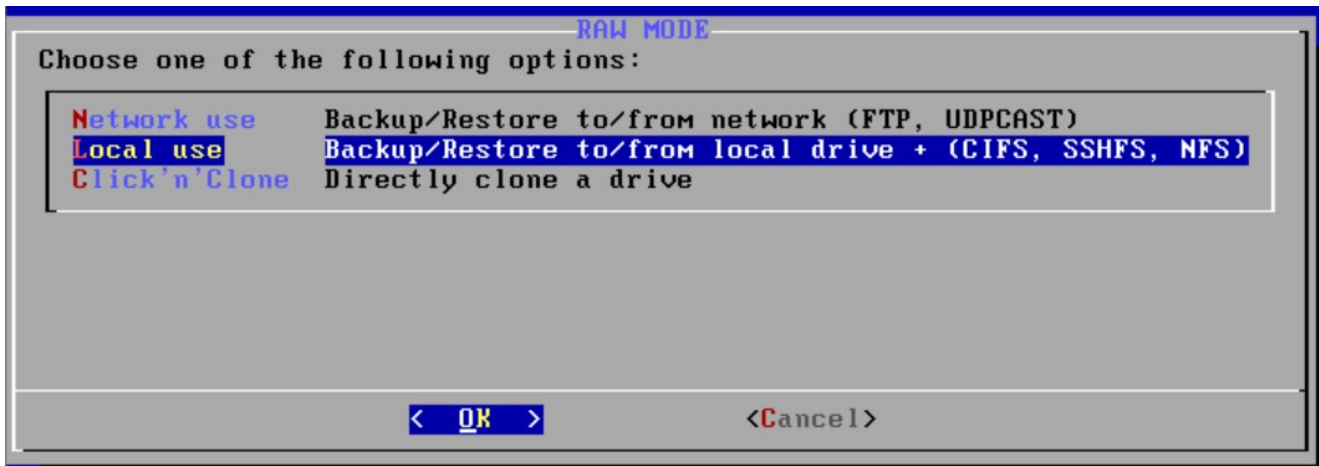
< Yes > < No >
```

Enter MAIN MENU, select RAW Mode

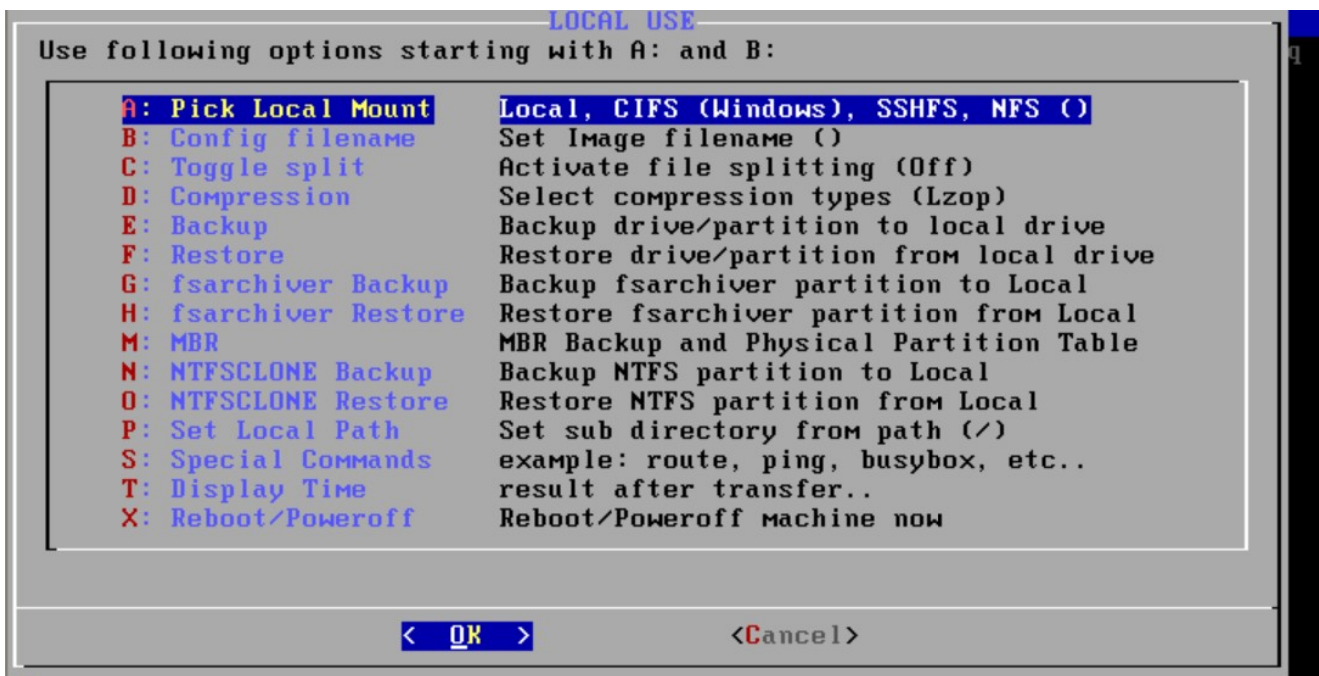
```
MAIN MENU
Choose your desired mode:
RAW Mode ANY filesystem, every bit, local+ftp+cifs(smb)+sshfs+nfs
File Mode Some filesystems only, only files, local+special server
Utilities System info and tools
Show Help Show IMPORTANT help

< OK > <Cancel>
```

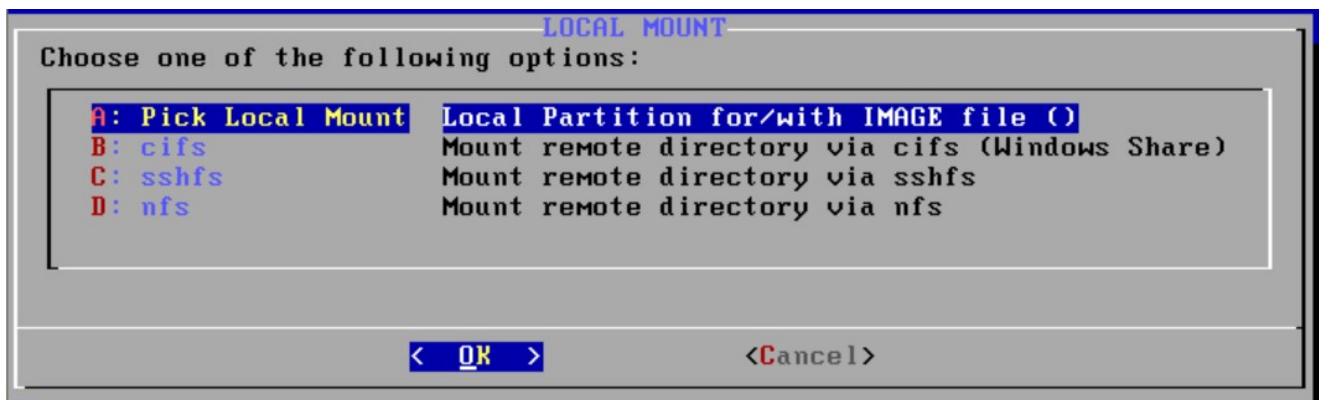

(2) select Local use (If you want to restore from an FTP server, select Network Use)



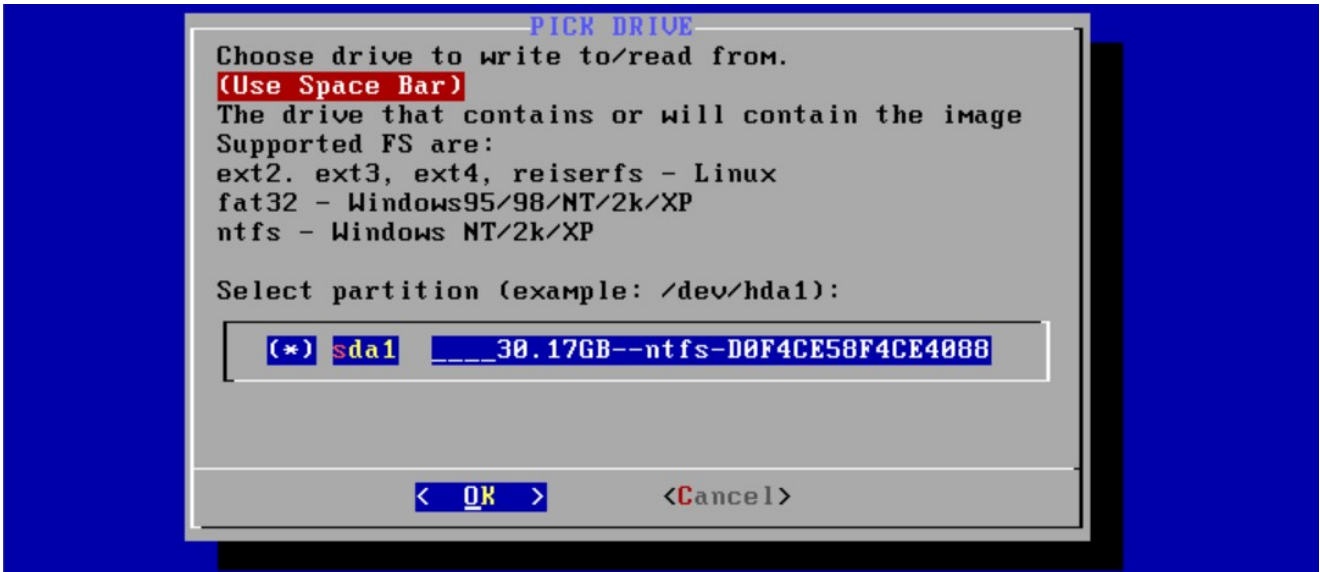
Set the source disk of the image file to be restored



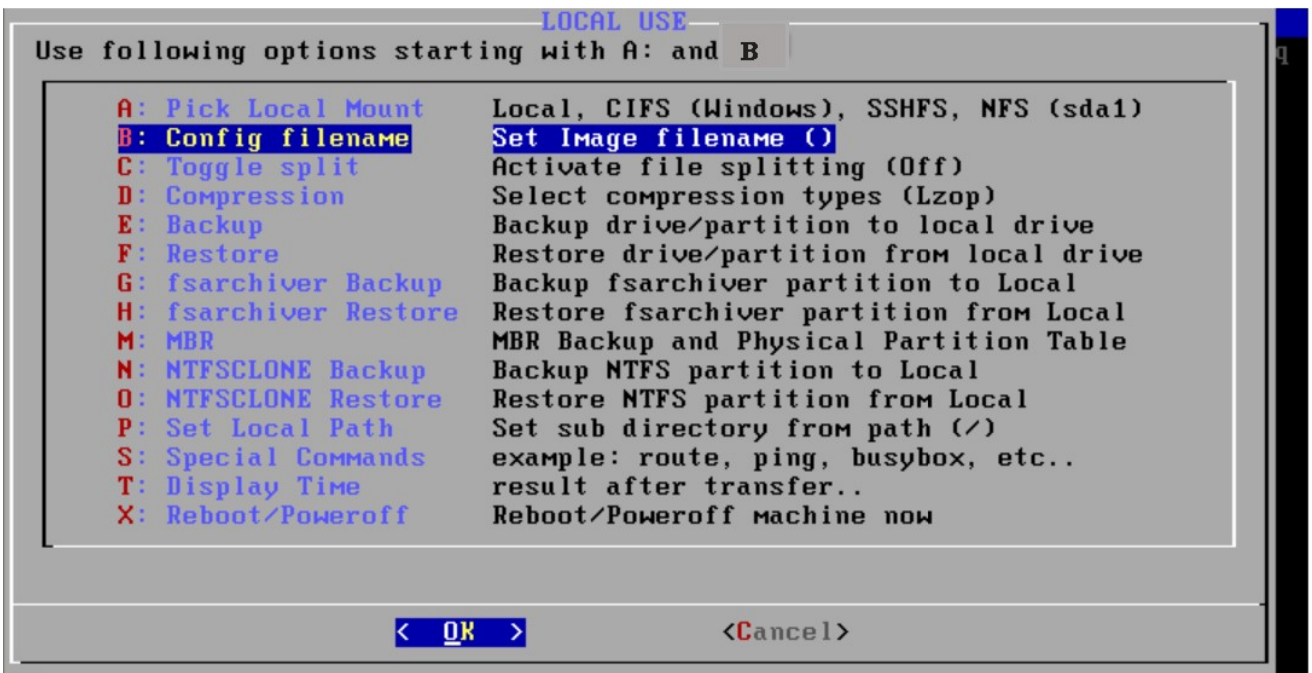
Select ok



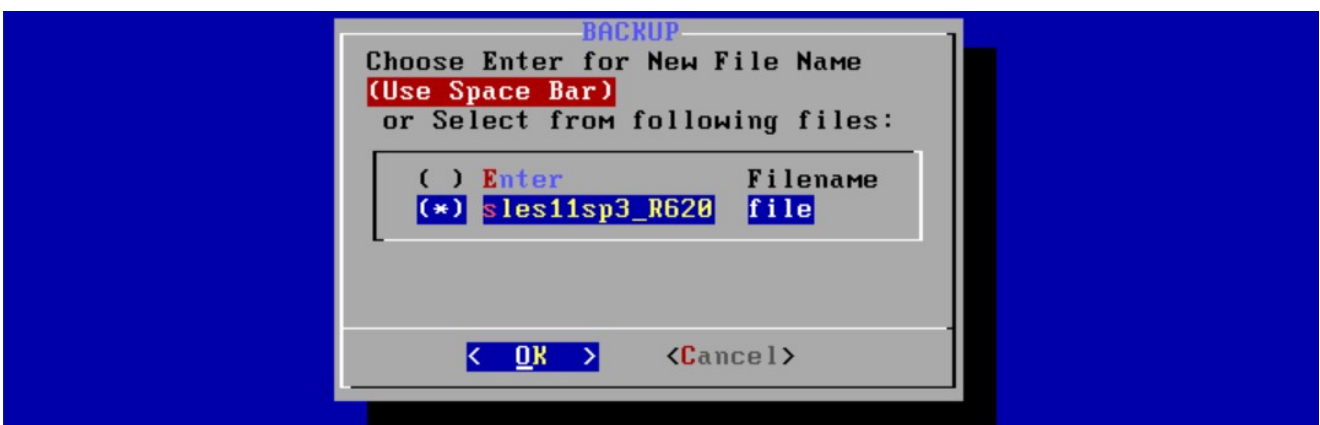
Select the source disk of the image file to be restored



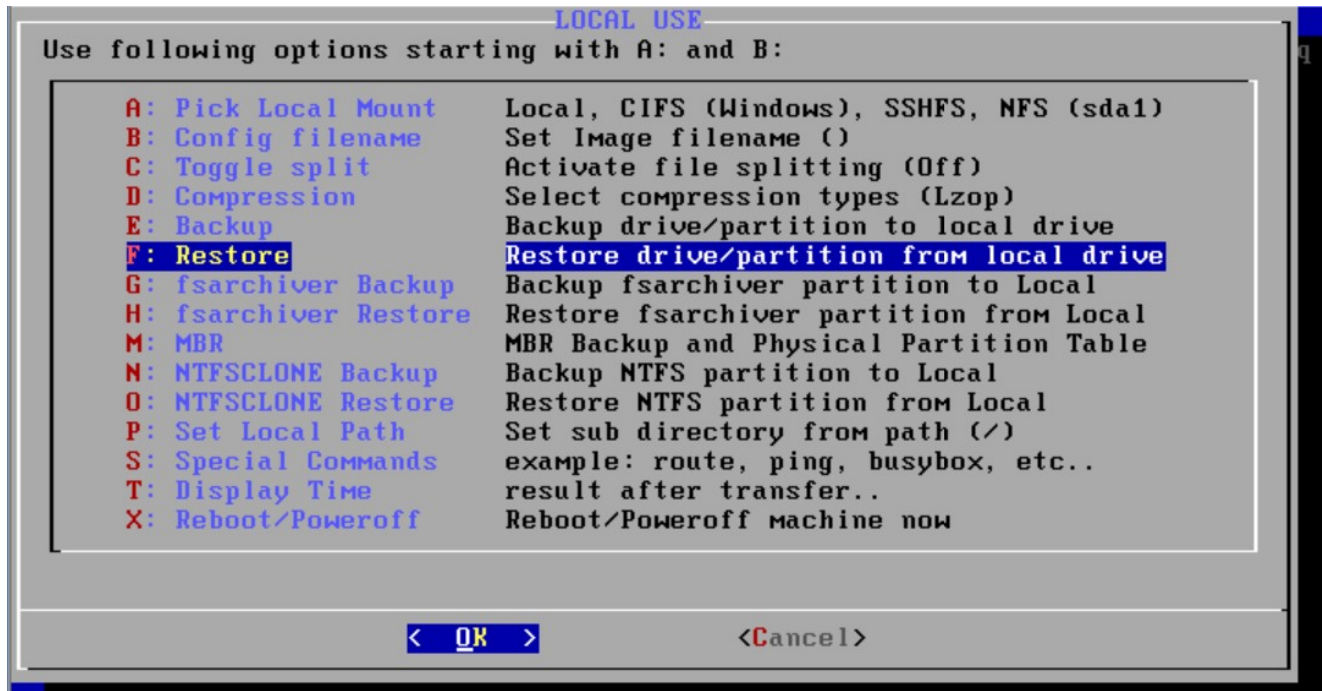
(3) Set the name of the image file to be restored



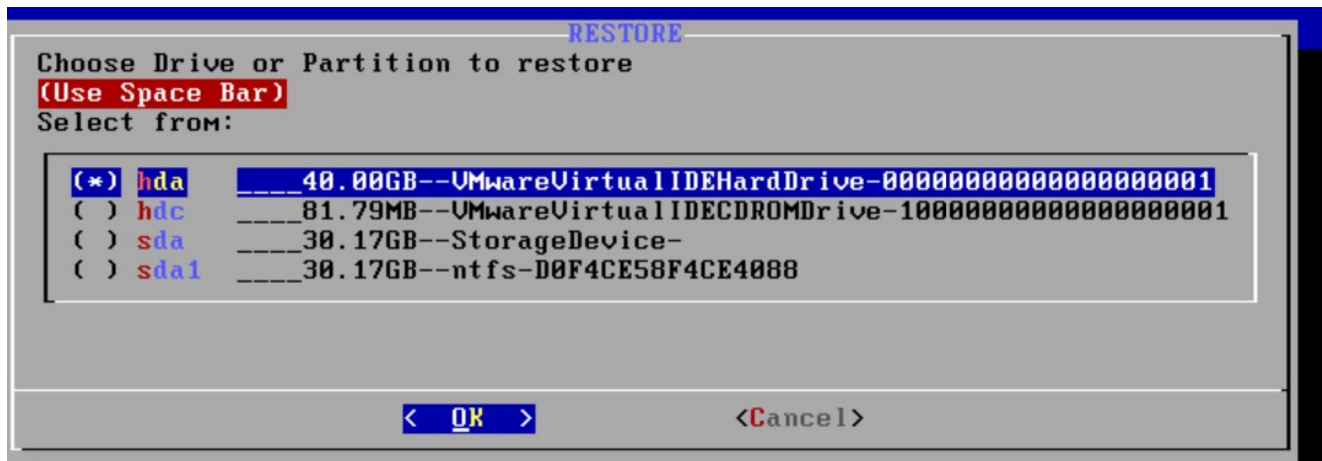
Select the backup image file



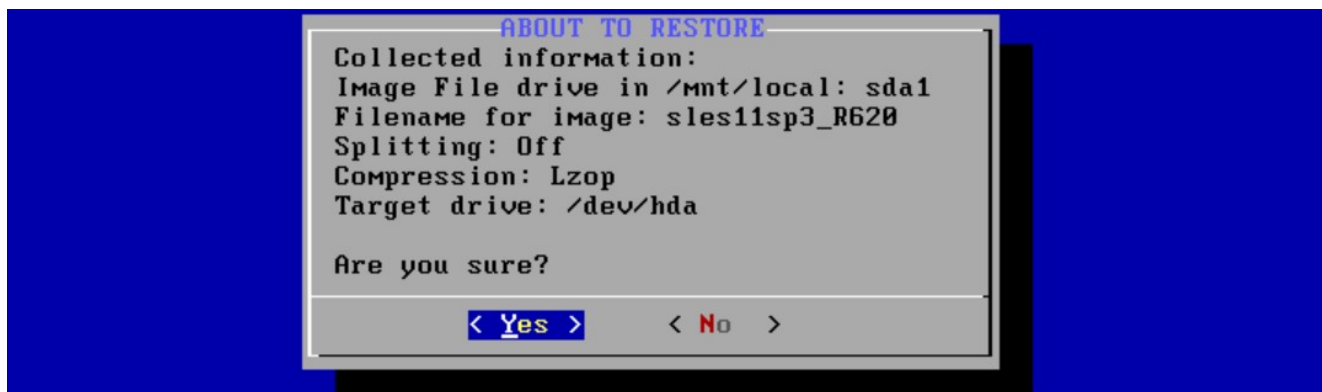
(4) Restore operation



Select the target disk or partition for recovery



Wait for a confirmation, select OK



Start Restore.....

Working...

G4L is locally restoring your drive.
The progress bar shows the ratio of written source data
and size of destination (harddrive/image). It will not be
accurate if you restore 50G to a 100G drive for example.

Please stand by, this will take some time!

Device eth0 Speed Duplex

Progress
0.29% 120.00MB of 40960.00MB time: 0:00:14 8.57MB/sec
ncftpstatus: OK

0%