1.Backup

(1) Run g4l, Select the default option

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: memtest86+-5.01	
R: Reboot	
T: Pre-Image Help F	
U: Start Up Help Fi	le
V: Disclaimer File	
Z: Hardware Detecti	on Tool 0.5.2
Press	[Tab] to edit options

http://sourceforge.net/projects/g41



Michael Setzer II mikes@guam.net

Select Exit to skip this option

Disclaimer concerning Copyright: Prior version(s) of g41 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/g41.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/g41 http://freshmeat.net/projects/g41/ I've made modification to the g41 0.14beta script to make it better for my needs, and to provide this to others to use or not</hubert@feyrer.de>
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



Input g4l



Select Yes



Enter MAIN MENU, select RAW Mode



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

Backup/Restore Directly clone		local dr	ive +	(CIFS.	SSHFS.	NESI
Directly clone						mr o /
Directly crone	a drive					

Select ok

A: Pick Local Mount B: Config filename C: Toggle split D: Compression E: Backup F: Restore G: fsarchiver Backup H: fsarchiver Restore M: MBR N: NTFSCLONE Backup O: NTFSCLONE Restore P: Set Local Path S: Special Commands T: Display Time X: Reboot/Poweroff	Local, CIFS (Windows), SSHFS, NFS () Set Image filename () Activate file splitting (Off) Select compression types (Lzop) Backup drive/partition to local drive Restore drive/partition from local drive Backup fsarchiver partition to Local Restore fsarchiver partition from Local MBR Backup and Physical Partition Table Backup NTFS partition to Local Restore NTFS partition from Local Set sub directory from path (/) example: route, ping, busybox, etc result after transfer
--	---

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

A: Pick Local Mount	Local, CIFS (Windows), SSHFS, NFS (sda1)
B: Config filename	Set Image filename ()
C: Toggle split	Activate file splitting (Off)
D: Compression	Select compression types (Lzop)
E: Backup	Backup drive/partition to local drive
F: Restore	Restore drive/partition from local drive
G: fsarchiver Backup	Backup fsarchiver partition to Local
H: fsarchiver Restore	Restore fsarchiver partition from Local
M: MBR	MBR Backup and Physical Partition Table
N: NTFSCLONE Backup	Backup NTFS partition to Local
	Restore NTFS partition from Local Set sub directory from path (/) example: route, ping, busybox, etc result after transfer Reboot/Poweroff machine now



Enter a custom filename

CONFIG FILENAME Enter filename of the stored image. Example: hda_workstation2.img
Filename:
< OX > <cancel></cancel>

(4) BackUp Operation

M: MBR ME N: NTFSCLONE Backup Ba O: NTFSCLONE Restore Re P: Set Local Path Se	store fsarchiver partition from Local R Backup and Physical Partition Table ckup NTFS partition to Local store NTFS partition from Local t sub directory from path (/) ample: route, ping, busybox, etc
T: Display Time re	sult after transfer boot/Poweroff machine now

Select the disk or partition that you want to back up



Wait for a confirmation, select OK

ABOUT TO BACKUP Collected information: Target drive in /mnt/local/: sda1 Filename for image: sles11sp3 Splitting: Off Compression: Lzop Source drive: /dev/hda Are you sure?	

Start Backup.....

G4L is backing up your drive locally. 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 0.03% 12.00MB of 40960.00MB time: 0:00:01 12.00MB/sec ncftpstatus: OK

2 Restore

(1) Run g4l, Select the default option

: bz4x19.186		04-10-2021	
: bz5x4.111	×86	04-10-2021	
: bz5x10.29		04-10-2021	
: bz5x11.13		04-10-2021	
: Failsafe M			
: bz5x12.rc		04-11-2021	
l: memtest86	-5.01		
l: Reboot			
1: Pre-Image			
I: Start Up H		е	
J: Disclaimer			
2: Hardware 1	Detectio	m Tool 0.5.2	
	Press [Tabl to edit options	
	Press [Tabl to edit options	

http://sourceforge.net/projects/g41



Michael Setzer II mikes@guam.net

Select Exit to skip this option

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ftp://fedoragcc.dyndns.org
Hope this version is useful to you Michael D. Setzer II, mikes@guam.net Computer Science Instructor, Guam Community College



Input g4l



Select Yes



Enter MAIN MENU, select RAW Mode



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

Network use	Backup/Restore	to∕from	network	(FTP,	UDPCAS	T)	
Local use	Backup/Restore		local dr	∵ive +	(CIFS,	SSHFS,	NFS)
Click'n'Clone	Directly clone	a drive					

Set the source disk of the image file to be restored

: Pick Local Mount	Local, CIFS (Windows), SSHFS, NFS ()
: Config filename	Set Image filename ()
: Toggle split	Activate file splitting (Off)
: Compression	Select compression types (Lzop)
: Backup	Backup drive/partition to local drive
: Restore	Restore drive/partition from local drive
: fsarchiver Backup	Backup fsarchiver partition to Local
: fsarchiver Restore	Restore fsarchiver partition from Local
: MBR	MBR Backup and Physical Partition Table
: NTFSCLONE Backup	Backup NTFS partition to Local
: NTESCLONE Restore	Restore NTFS partition from Local
: Set Local Path	Set sub directory from path (/)
: Special Commands	example: route, ping, busybox, etc
: Display Time	result after transfer.
: Reboot/Poweroff	
2 01	> (Cancel>

Select ok

B: cifs	Mount remote directory via cifs (Windows Share)
C: sshfs	Mount remote directory via sshfs
D: nfs	Mount remote directory via nfs

Select the source disk of the image file to be restored

PICK DRIVE Choose drive to write to/read from. (Use Space Bar) The drive that contains or will contain the image Supported FS are: ext2. ext3, ext4, reiserfs - Linux fat32 - Windows95/98/NT/2k/XP ntfs - Windows NT/2k/XP Select partition (example: /dev/hda1): (*) Sda130.17GBntfs-D0F4CE58F4CE4088	
< <u>O</u> K > <€ancel>	

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

C: Toggle split D: Compression E: Backup F: Restore G: fsarchiver Backup H: fsarchiver Restore M: MBR N: NTFSCLONE Backup O: NTFSCLONE Restore P: Set Local Path S: Special Commands T: Display Time X: Reboot/Poweroff	MBR Backup and Physical Partition Table Backup NTFS partition to Local Restore NTFS partition from Local Set sub directory from path (/) example: route, ping, busybox, etc result after transfer
---	--

Select the backup image file

BACKUP Choose Enter for New File Name (Use Space Bar) or Select from following files:	
() Enter Filename (*) Sles11sp3_R620 file	
<pre> Cancel> </pre>	

(4) Restore operation



Select the target disk or partition for recovery

Choose Driv <mark>(Use Space</mark> Select from		
(*) hda 40.00GBVMwareVirtualIDEHardDrive-000000000000000000000000000000000000		
	<u>< 0</u> x →	<cancel></cancel>

Wait for a confirmation, select OK

ABOUT TO RESTORE Collected information: Image File drive in /mnt/local: sda1 Filename for image: sles11sp3_R620 Splitting: Off Compression: Lzop Target drive: /dev/hda Are you sure?	
<u>< Yes</u> > < No >	

Start Restore.....

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