

## FW: [SLE] Backups

**Source:** <http://linux.derkeiler.com/Mailing-Lists/SuSE/2004-07/1214.html>

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**From:** Greg Wallace (jgregw\_at\_acsalaska.net)

**Date:** 07/08/04

To: "'Carlos E. R.'" <robin1.listas@tiscali.es>

Date: Wed, 7 Jul 2004 23:45:05 -0800

By the way, this device is somewhat pricey. I paid \$403.95 for it in early '03. There may be cheaper networked devices around that have the same functionality.

Greg

-----Original Message-----

From: Greg Wallace [mailto:jgregw@acsalaska.net]

Sent: Wednesday, July 07, 2004 11:33 PM

To: 'Carlos E. R.'

Cc: 'suse-linux-e@suse.com'

Subject: RE: [SLE] Backups

I have a Linksys EFG80, which is an Ethernet networked storage device. It is a Unix based operating system running Samba, which is designed to be used on a Windows network or workgroup set-up. If you install Samba on Linux, you can back-up directly to it. It comes with one 80G drive and a slot for a second drive up to 120G. I used to back up directly to it, but my backups got so big that CP would crap out about 2/3 of way through (maybe I was overflowing buffers on the Linksys). The device also has an FTP and Print server. I now log into it via FTP and do a "send". That way, it controls how fast it wants to move the data and I've never had any problems. I have both a Windows and a Linux machine on my network. My printer is hooked up to this device and I can print to it from either printer. It's a pretty handy device for a small home network. Just an FYI.

Greg W

-----Original Message-----

From: Carlos E. R. [mailto:robin1.listas@tiscali.es]

Sent: Wednesday, July 07, 2004 9:10 AM

To: suse-linux-e@suse.com

Subject: RE: [SLE] Backups

The Tuesday 2004-07-06 at 18:31 -0800, Greg Wallace wrote:

> *When I back up via YAST, I specify the following options --*

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>  
> \*) *Search files that do not belong to any packages*  
> \*) *Back up hard disk system areas*  
>  
> *I have done a complete recovery of some entire high-level directory that I had originally created myself (for example, the Oracle database software directory and the Oracle database data directory). I'm hoping I have everything that way. I have deleted the Oracle software directory, done a full recovery of that directory, and everything is there and works just like before. I am hoping by doing a backup this way that I have everything that has changed since my initial installation.*

Yes, you do get a backup of modified files. But those not modified, that came from an rpm on CD are not copied. It is a kind of incremental restore, such a one that a full restore can be a real pain. I know, it happened to me.

> *>All this I tell from memory; but I was caught by it before.*  
>  
> *>I prefer a really full backup to CD or DVD.*  
>  
> *No CD or DVD will hold all of my data. It's like 6 or 7 gigabytes. But I have a networked storage device with an 80G capacity, so I save it over there. One you "backup to CD", are you saying you point YAST to the CD, or*  
> *are you using some other software to do a byte by byte image copy?*

I do my backups manually. I use "mkzftree" to create a compressed tree of files and directories which are a copy of everything on the HDs I want to backup. Then I break them in chunks roughly 4.7 GB (using mc). Those compressed trees I convert to images using "mkisofs -z -R ...", which I finally burn to DVD using xcdroast.

The result is two DVDs with a full compressed backup of my Linux filesystem, which can be mounted normally (mount...) and explored or restored using any standard Linux tool, like konkeror, midnight commander (mc), cp, whatever: zisofs compressed CDs/DVDs can be read transparently by the Linux kernel, they are decompressed on the fly.

It is a complicated way of doing a backup, and needs about 160% of your fs as free space. But the end result is very usable.

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Cheers,

Carlos Robinson

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Also check the archives at <http://lists.suse.com>  
Please read the FAQs: [suse-linux-e-faq@suse.com](mailto:suse-linux-e-faq@suse.com)

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