

Re: custom debian install cd

Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2005-12/msg02534.html>

- *From:* Andreas Janssen <andreas.janssen@xxxxxxxxxxx>
 - *Date:* Thu, 22 Dec 2005 16:44:51 +0100
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Hello

jack (<lists@xxxxxxxxxxx>) wrote:

- > I need to create a custom install cd using a 2.6 kernel that has
- > support for extra sata raid drivers. I've found a few sites on how to
- > tackle the issue:
- >
- > (for example:
- > <http://public.www.planetmirror.com/pub/debian-netinst/kveton/>)

I once built a mini iso using a recent 2.4 kernel. Problems: IDE chipset detection does not work, and of course you only use your custom kernel during installation. When the base system is installed, d-i will copy the kernel that is distributed with the base system, and that is missing the modules you need. You can also alter the base system, but this is quite complicated. Alternatives are:

– build the SATA drivers as modules for the installation kernel and copy them to a floppy disk. You can load the modules during installation.

– use debootstrap to install debian from a running system, e.g. a Knoppix CD or some other Linux system that does support your chipset.

- > ...though all HOWTO's i've found are using the same technique.
- > (downloading and uncompressing the 2.8m rescue floppy .bin, and
- > copying your vmlinuz (etc etc) to the .bin, then re-creating the iso
- > with mini-iso.sh.
- >
- > The only problem is, my 2.6 kernel is a quite a bit bigger then the
- > available space left on the 2.8m image.
- >
- > Is it possible to resize a .bin image to do what I need? Or is there
- > any easier way to do what i'm doing?

There is a way to build your own d-i mini iso. I build by own kernel package using make-kpkg, installed it, used linux-kernel-di-i386 and kernel-wegde to create kernel udebs for the installer (these contained the kernel and the modules), and rebuilt the debian installer from

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source. A quick explanation can be found here:

<http://d-i.alioth.debian.org/svn/debian-installer/installer/doc/custom-kernel.txt>

Please note that the Sarge installer depends on devfs support in your kernel, which means you must use kernel 2.4 or 2.6 < 2.6.12.

best regards
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• **References:**

- ◆ **[custom debian install cd](#)**
 - ◇ From: jack

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