My two cents on d-i

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finger Mrfai@localhost

▶ whoami

- Sysadmin for more than two decades
- Debian developer since 2000
- Diploma in computer science, University of Bonn, Germany
- SunOS 4.1.1 on SPARC hardware, then Solaris Jumpstart
- Started FAI in 1999 for my first cluster (16× Dual PII 400 MHz)
- Several talks and tutorials:

Linux Kongress, Linuxtag, DebConf, SANE, LCA, FOSDEM, CeBit, OSDC, UKUUG, FrOSCon, Chemnitzer Linuxtag

Disclaimer

- I'm not a d-i expert
- I really don't use d-i that much ;-)
- But I've look into some of its source code in the past
- I've looked at several other graphical installers
- I'm very lazy, I do not want to hit Enter very often

Debian installer

Let's do a d-i installation

How many times will I hit Enter?

How many times did I had to press Enter?

- Debian installer stretch 9.2 netinst
- Hitting Tab is not included

How many times did I had to press Enter?

- Debian installer stretch 9.2 netinst
- Hitting Tab is not included
 - 1 Language
 - 2 Region (Why?, this is not the timezone)
 - 3 Keyboard
 - 4,5 Confirm hostname, domainname
 - 6 Empty root PW
 - 7-10 User full name, user name, 2x user PW
 - 11 Timezone (Here the region from above is used)
- Until now only user name and PW was not the default

How many times do I have to press Enter cont.

Partitioning

- 12 Guided use entire disk
- 13 Select disk (Why if I only have one disk)
- 14 All in one partition
- 15 Finish partitioning (What does this do? It does NOT write to disk as it says)
- 16 Write changes (You have to select yes)
- Only one non-default selection

How many times do I have to press Enter cont.

17 Scan another CD (Why? This is the netinst CD)

- 18-20 Debian archive mirror (Why not deb.debian.org)
 - 21 Pop-contest
 - 22 Now tasksel shows several options
 - A lot of software is installed
 - 23 Write grub to MBR (Does your dad knows what grub and the MBR is?)
 - 24 A favorite of mine: ENTER DEVICE MANUALLY. WHAT?

It also offers me a real device, the correct one.

25 Finally finished. Press return to reboot

Summary

- Most of the times you just hit Enter
- You have to do that again and again
- and again and again

Summary

- Most of the times you just hit Enter
- You have to do that again and again
- and again and again
- Only two times you have to choose the non-default option
- Too much information for a beginner
- Some questions are really needless

Summary

- d-i is a huge amount of code
- ▶ E.g. 24 partman modules with > 20.000 lines of shell code
- Strange things in d-i (partman daemon, exceptions in shell)
- You can save your logs on a floppy
- You can start a web server
- new to me: kickseed
- In expert mode you can set the priority to critical, then less questions are asked
- A discussion started on debian-boot about an easier installation mode

Make the installer simpler

- Ask only the most important questions
- Provide a customized installation media
- Boot this media and get yourself a coffee or a beer
- But hurry up

Why not FAI?

- Ask only the most important questions
- Provide a customized installation media
- Boot this media and get yourself a coffee or a beer
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FAI.me

FAI.me

- Simple creation of an installation media
- Should cover most of the common installations
- Does not need to cover all corner cases
- Some simple customization
- All desktops available
- Stable and testing support

FAI.me more ideas

- Option for backports will come
- The same service for cloud images?
- Support of other architectures?
- Boot a generic FAI.me media
- Just enter the job ID from the FAI.me web page
- The config will be loaded and a netinst will be done

https://fai-project.org/FAIme

FAI - Fully Automatic Installation

Home Features Poster / Flyer User reports Maling Litts / IRC / Wiki Clusters built with FAI	FAI.me. Build your own installation media
	This installation image will automatically install the OS and applications onto the computer. No network connection is needed, since all packages are on the installation media. You can born this image onto a CDDVD or write it to an USB stick. All data on the first disk will be overriden without any further confirmation.
 Videos / Screenshots 	
Download FAI CD Packages FAI questionaire	Root password: If not set, suds will be configured for the user account User name: debian Not for Ull name
Documentation FAI Guide Manual pages Other documentation Talk sides and videos	User password: If not set, a password will be generated
Developers Sources / Bugs Roadmap Team	English LIS Language and keyboard layout
	One partition V Disk partitioning scheme
Contact / Support Site search	
 Site search 	Debian 9 stable (stretch) V Select a distribution
Go	GNOME desktop v Which desktop to install
	Debian developer tools Openands server Ube server Ube server Openands Open
	Additional packages to be installed:
	Separate with spaces, multiple names on one line are fine
	Email (optional): You will be informed when the image generation is finished
	 For the keyboard layout we assume Generic 105-key PC To charge the keyboard layout call dpig-recordingure keyboard-configuration The tenzone will be set to UTC. To charge the tenzone call dpig-recordingure todata You should charge the senar and or assored with installation
	Create image
	Any teethack is welcome. Send an email to FAI me sate fai-project oro