

v.0.0.1 itadOS Guides

Karl-Markus Oismann 7-15-2025

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Create itadOS ISO

Prerequisites:

- Computer or virtual machine with Debian operating system.
 - o The following packages installed:
 - nvme-cli
 - lshw
 - dd (coreutils)
 - hdparm
 - rtcwake (util-linux)
 - mmc-utils
 - whiptail
 - shred (coreutils)
 - smartmontools
 - pciutils
 - fop
 - xsltrpoc
 - live-build
 - isolinux

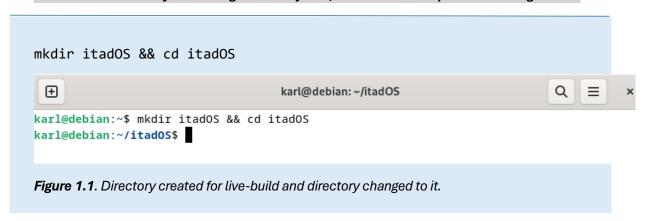
Helpful links for live-build:

https://debian-install-notes.pages.dev/netinstall/live-build#3

https://manpages.debian.org/testing/live-build/lb_config.1.en.html

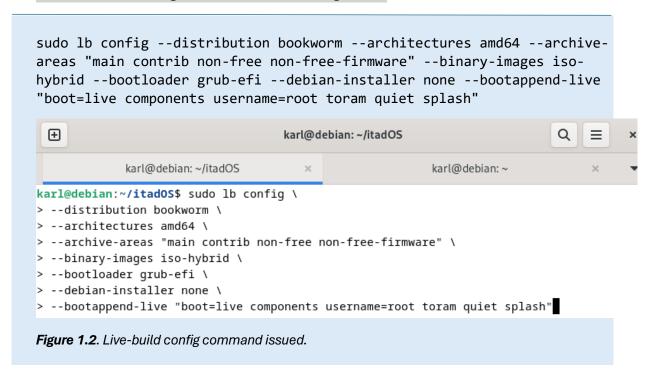
Step 1 – Create a directory

• Create a directory and change directory to it, as an in an example shown in figure 1.1.



Step 2 - Create live-build config directory

Enter the following command, as shown in figure 1.2:



Step 3 – Insert itadOS into live-build

Insert itadOS to config/includes.chroot, as shown in figure 1.3.

(in this example itadOS was downloaded from github: https://github.com/karloismann/itadOS)

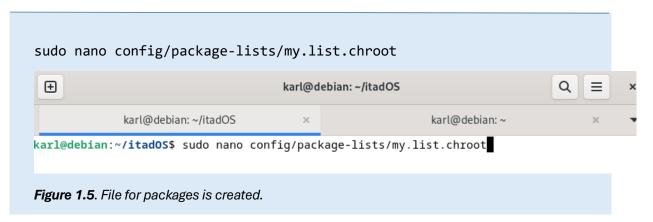
Step 4 – Give itadOS execution permission

Issue chmod command, as shown in figure 1.4.

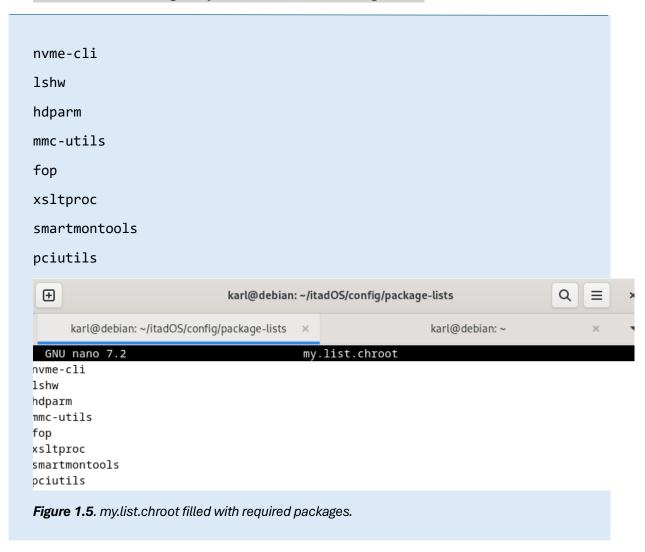


Step 5 – Add the dependencies

Create a file, as shown in figure 1.5.

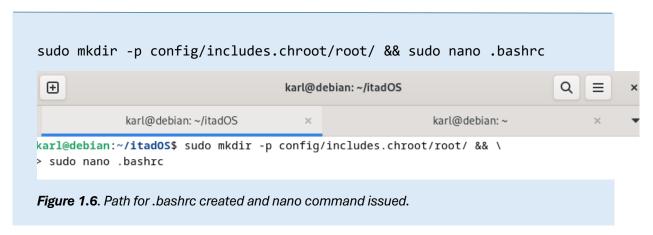


Insert the following to my.list.chroot, as shown in figure 1.6:

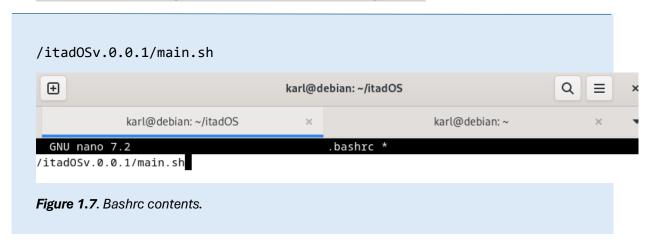


Step 6 - Start itadOS on boot

• Create path and file '.bashrc' and start editing it, as shown in figure 1.6.

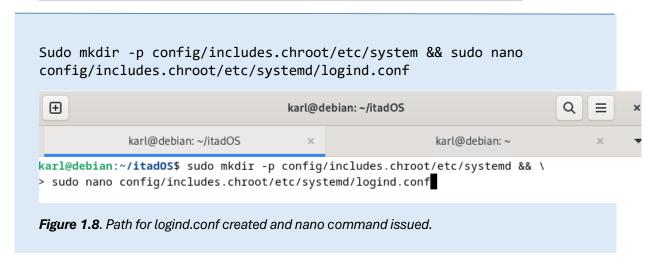


Insert the following line into .bashrc, as shown in figure 1.7:



Step 7 – Allow laptop lid to be closed

• Create path and file 'logind.conf' and start editing it, as shown in figure 1.8.

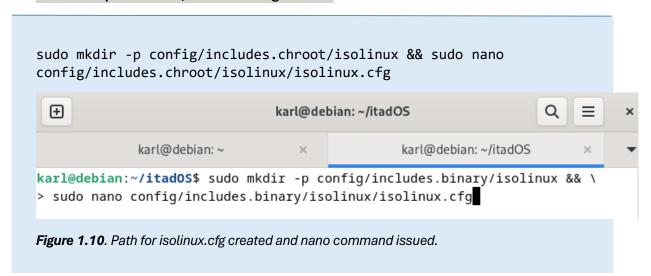


Add the following to logind.conf, as shown in figure 1.9:

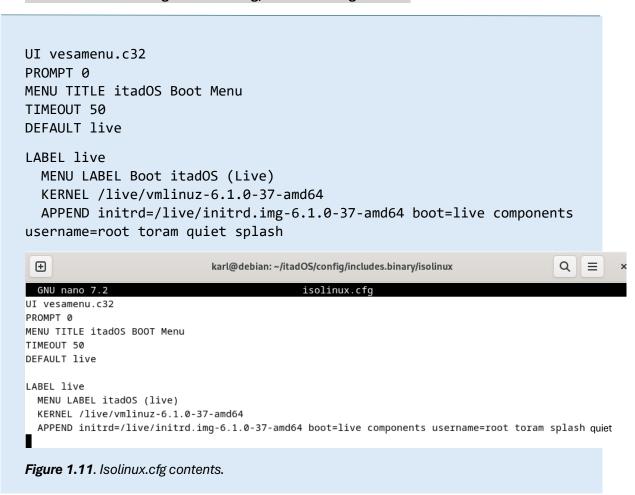


Step 8 – Legacy boot support

• Create path and file, as shown in figure 1.10:



• Insert the following to isolinux.cfg, as shown in figure 1.11:

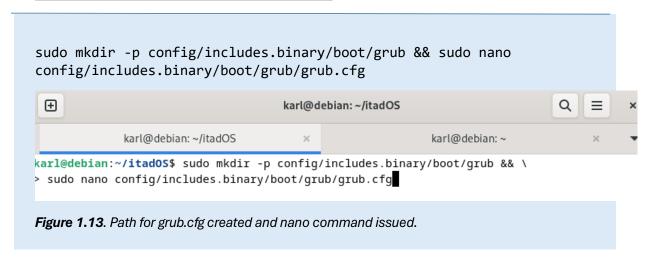


Also add required binaries from syslinux, as shown in figure 1.12:



Step 9 - UEFI boot support

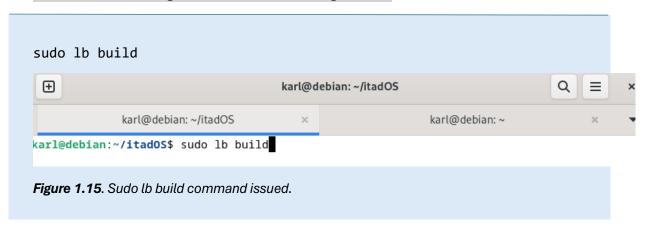
• Create path and file, as shown in figure 1.13:



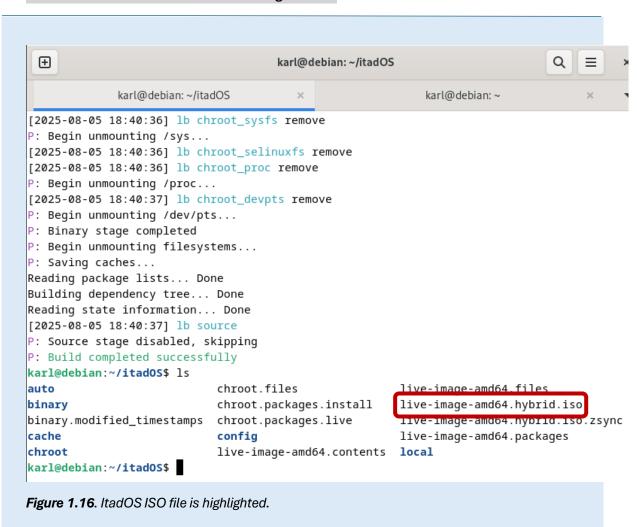
Insert the following to grub.cfg, as shown in figure 1.14:

Step 10 - Build ISO

• Enter the following command, as shown in figure 1.15:



ISO file is now created as shown in figure 1.16.



Modify itadOS

Step 1 - Clean config

Go into the directory created <u>here</u> and insert the following command, as shown in figure
 2.1:

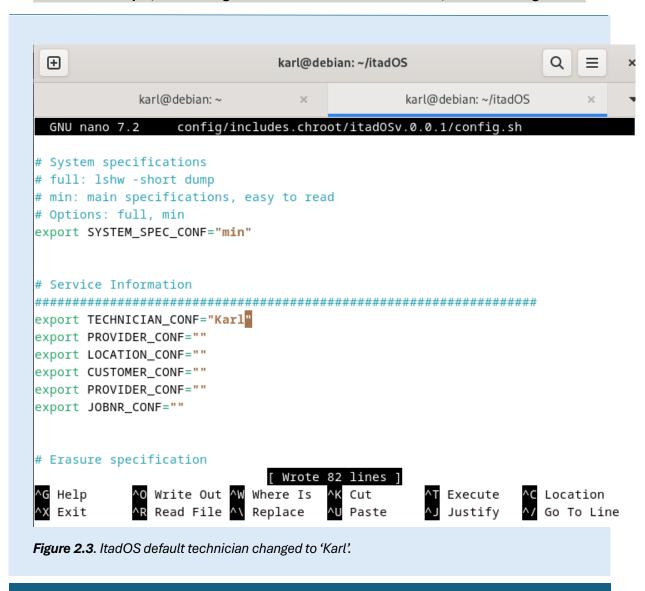


Step 2 - Modify itadOS settings

Modify settings in config.sh, as shown in figure 2.2.

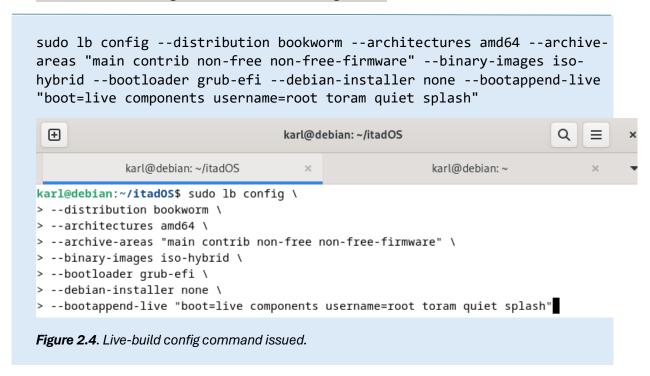


• In this example, I am setting default technician's name to 'Karl', as shown in figure 2.3.



Step 3 - Issue config command

• Enter the following command, as shown in figure 2.4:

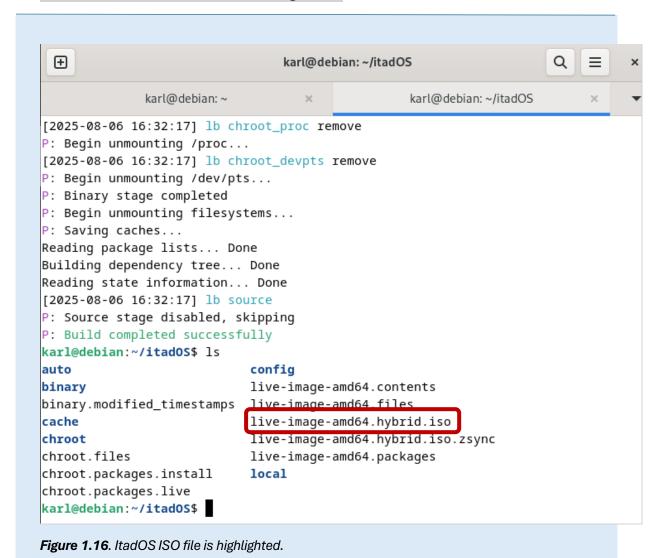


Step 4 – Build ISO

Enter the following command, as shown in figure 2.5:



ISO file is now created as shown in figure 2.6.



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Create itadOS USB disk

This guide is utilising rufus on Windows PC.

Step 1 – Get flashing utility.

Install Rufus (windows) or other alternative software.

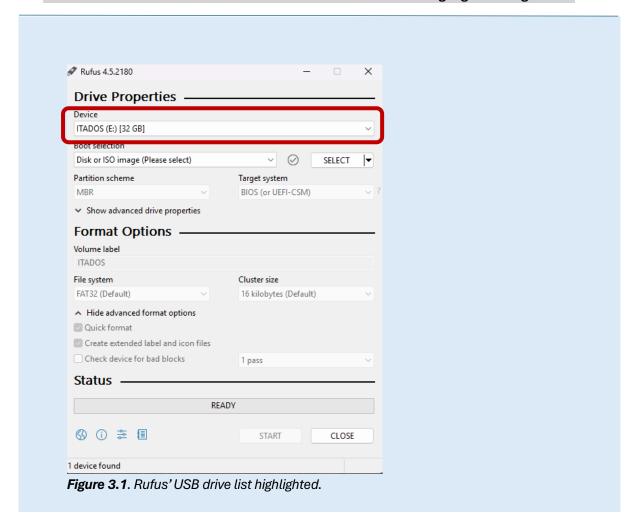
Rufus: https://rufus.ie/en/

Step 2 – Get itadOS ISO

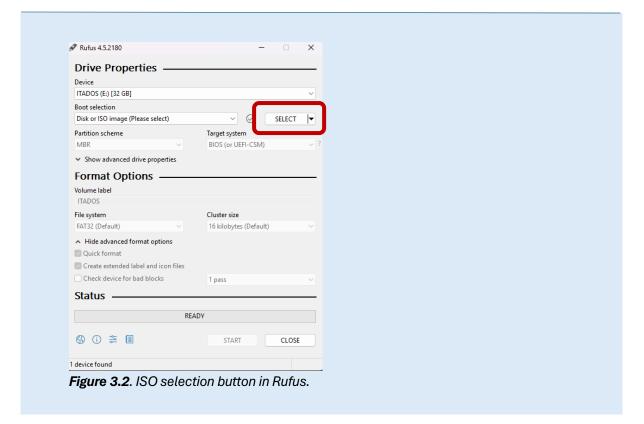
Download itadOS ISO from <u>here</u> OR create ISO <u>here</u>.

Step 3 – Flash USB disk with itadOS

Insert the USB drive into the PC and choose it from the list highlighted in figure 3.1.



Click on the highlighted button in figure 3.2 and select itadOS ISO.



- Name the volume label as 'ITADOS' as highlighted in figure 3.3, and press 'START'.
 - This helps itadOS to identify boot disk.

