v.0.1.1

itadOS

Guides

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Contents

Create itadOS ISO

Prerequisites:

- Computer or virtual machine with Debian operating system.
    - 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 – Clone itadOS repository

- **Clone itadOS repository, as shown in figure 1.1.**

```
git clone https://github.com/karloismann/itadOS.git
```

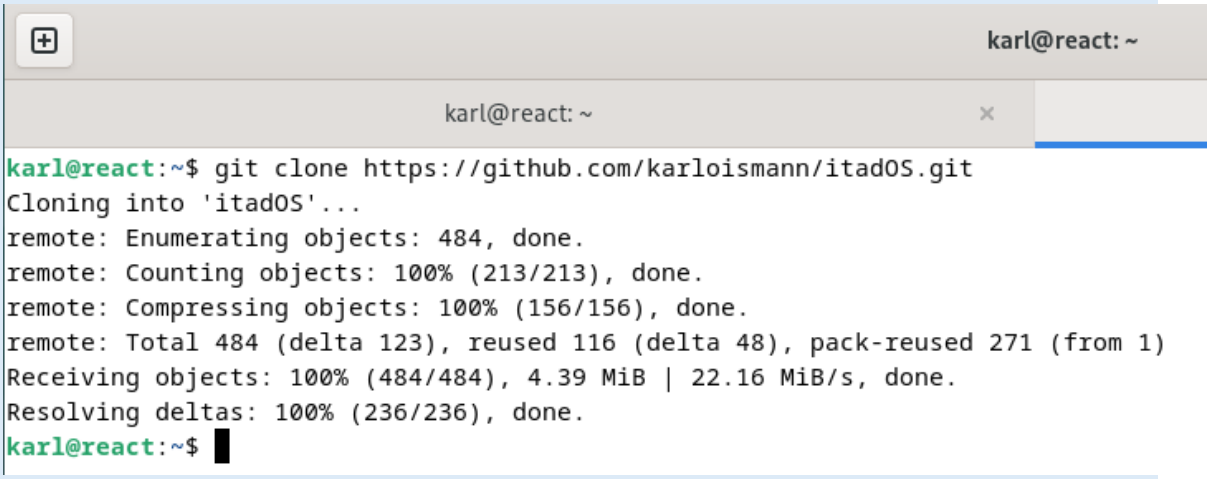

***Figure 1.1**. git clone command issued.*

Step 2 – Start setup

- **Enter the following command, as shown in figure 1.2:**

```
cd itadOS/Setup && sudo ./setup.sh
```

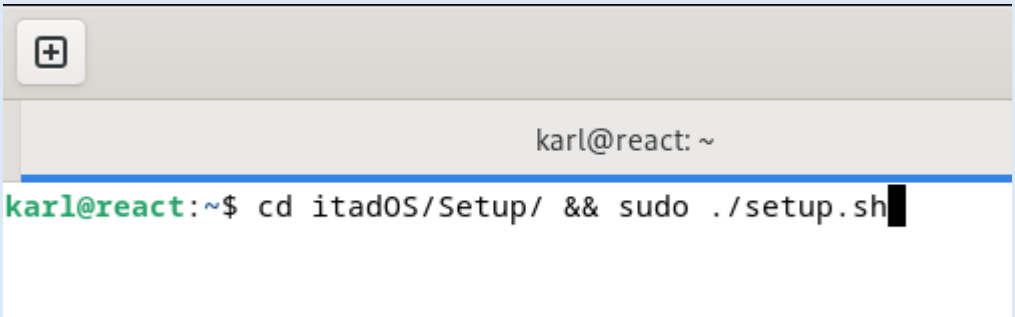

***Figure 1.2** Directory changed to itadOS/Setup and setup.sh executed.*

Step 3 – Generate ISO

- **Select 'Generate_ISO', as shown in figure 1.3.**

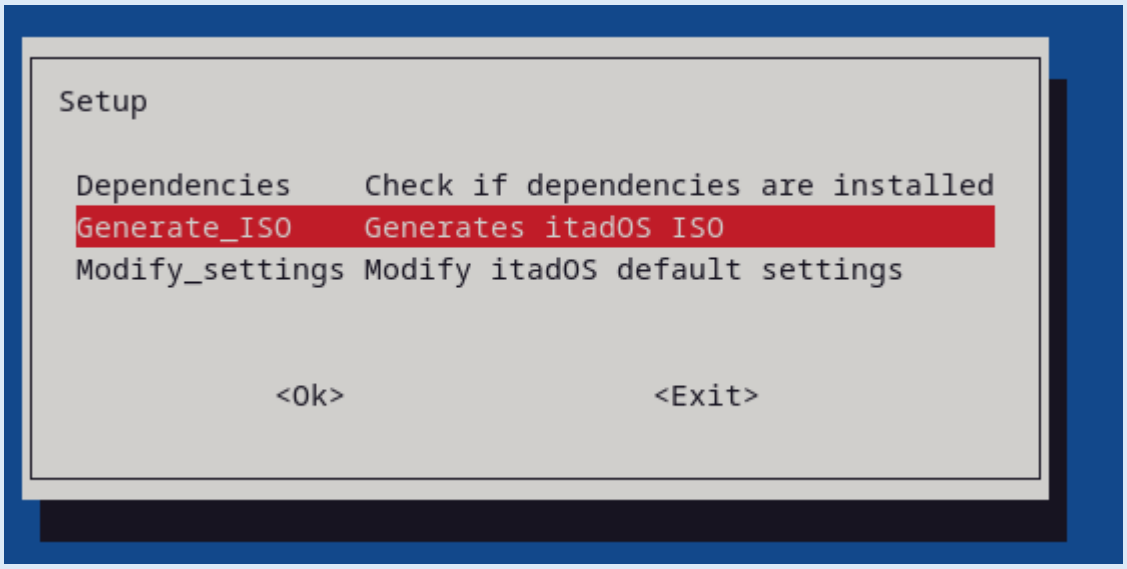

***Figure 1.3**. Menu showing various setup options for itadOS.*

- **Once ISO has been generated, an alert will pop up, as shown in figure 1.4.**

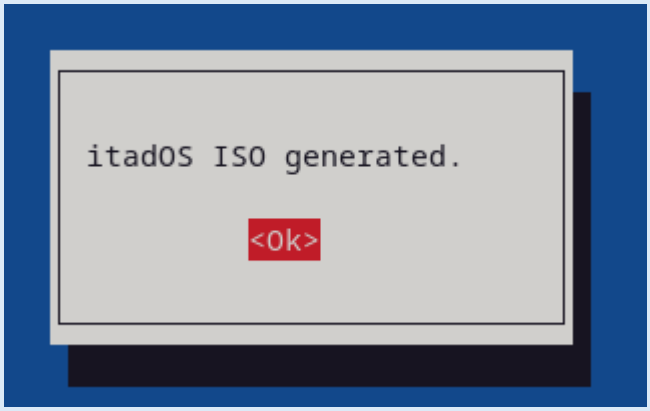

***Figure 1.4**. Alert showing itadOS ISO having been generated.*

- **Exit the setup. The ISO is located at itadOS/Setup/itadOSLiveBuild, as shown in figure 1.5.**

```
karl@react:~/itadOS/Setup$ ls itadOSLiveBuild/
auto                        cache          chroot.packages.install  itadOSv.0.1.1-amd64.contents    itadOSv.0.1.1-amd64.hybrid.iso.zsync
binary                      chroot         chroot.packages.live     itadOSv.0.1.1-amd64.files       itadOSv.0.1.1-amd64.packages
binary.modified_timestamps  chroot.files   config                   itadOSv.0.1.1-amd64.hybrid.iso  local
karl@react:~/itadOS/Setup$
```

***Figure 1.5**. itadOS ISO file is highlighted.*

Modify itadOS

‼️ **If itadOS has not been downloaded, do so following step 1 of Create itadOS ISO.** ‼️

Step 1 – Start setup

- **Enter the following command, as shown in figure 2.1:**

```
cd itadOS/Setup && sudo ./setup.sh
```

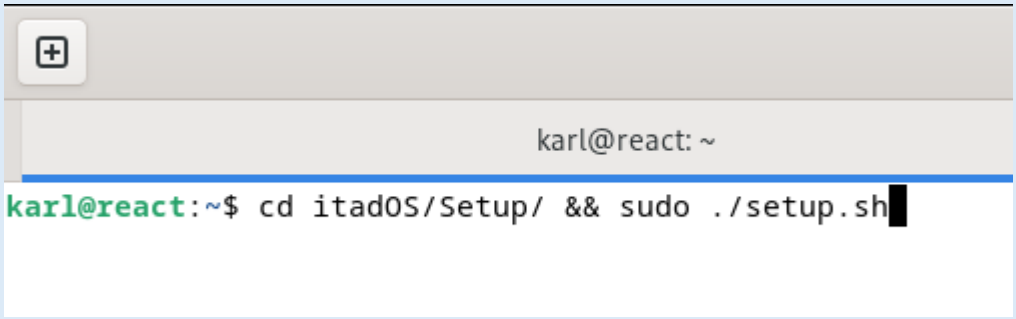

Figure 2.1 *Directory changed to itadOS/Setup and setup.sh executed.*

Step 2 – Select 'Modify_settings'

- **Select 'Generate_ISO', as shown in figure 2.2.**

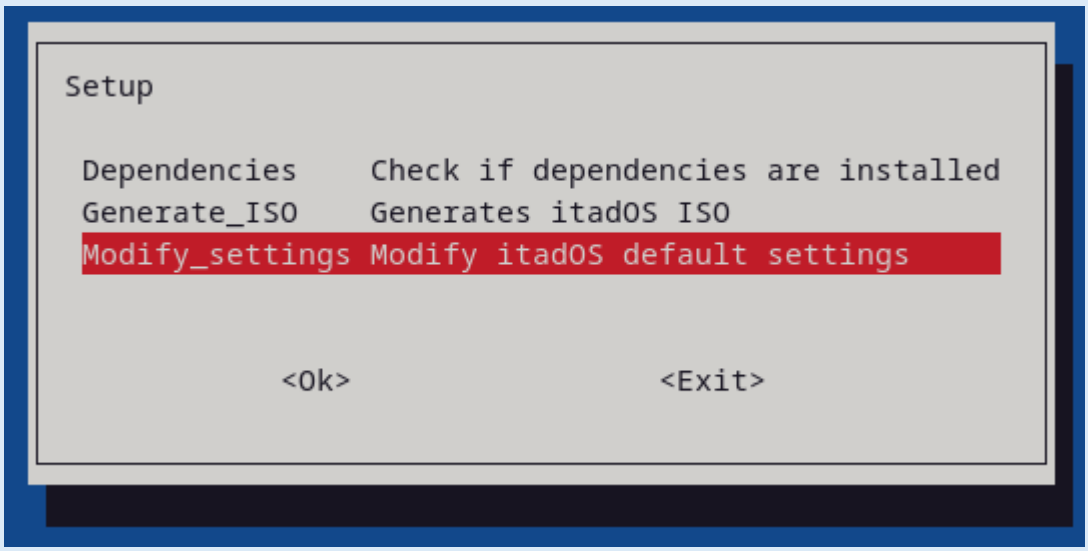

Figure 2.2*. Menu showing various setup options for itadOS.*

Step 3 – Change settings

- **In this example, I am setting default technician's name to 'Karl'. The process is shown through figures 2.3, 2.4, 2.5 and 2.6.**

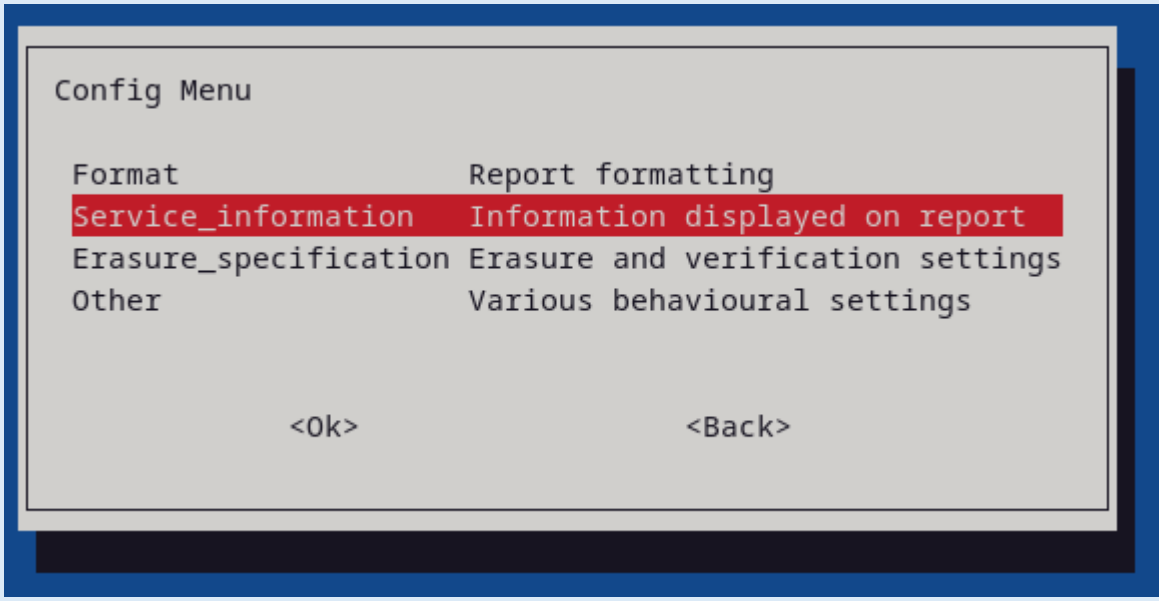

***Figure 2.3**. 'Service_information' is selected from config menu.*

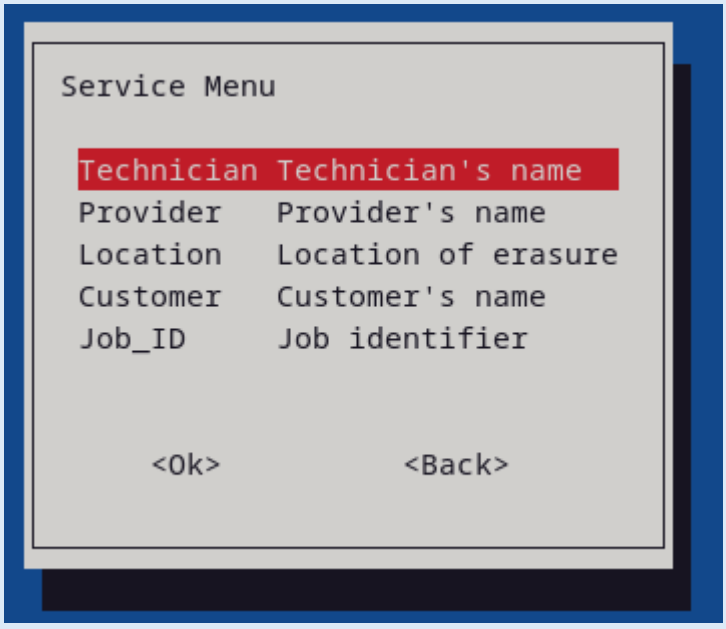

***Figure 2.4**. 'Technician' is selected from service menu.*

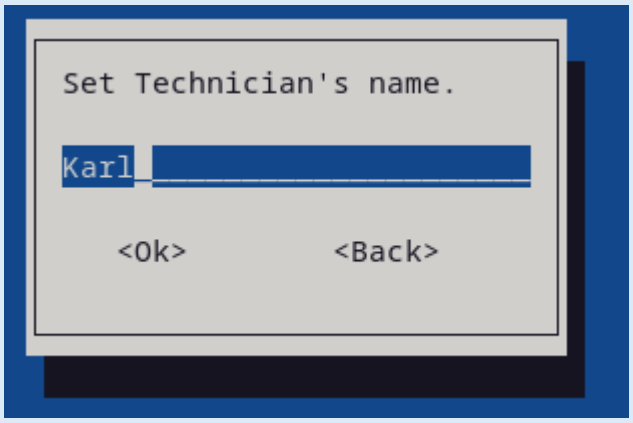

***Figure 2.5**. ItadOS default technician changed to 'Karl'.*

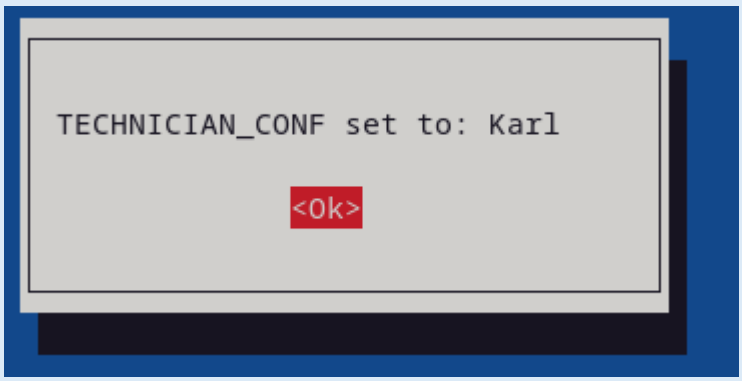

***Figure 2.6**. Change confirmed.*

Step 3 – Generate ISO

- **Generate modified itadOS following step 3 of Create itadOS ISO.**

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 *here* OR create ISO *here*.**

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.**

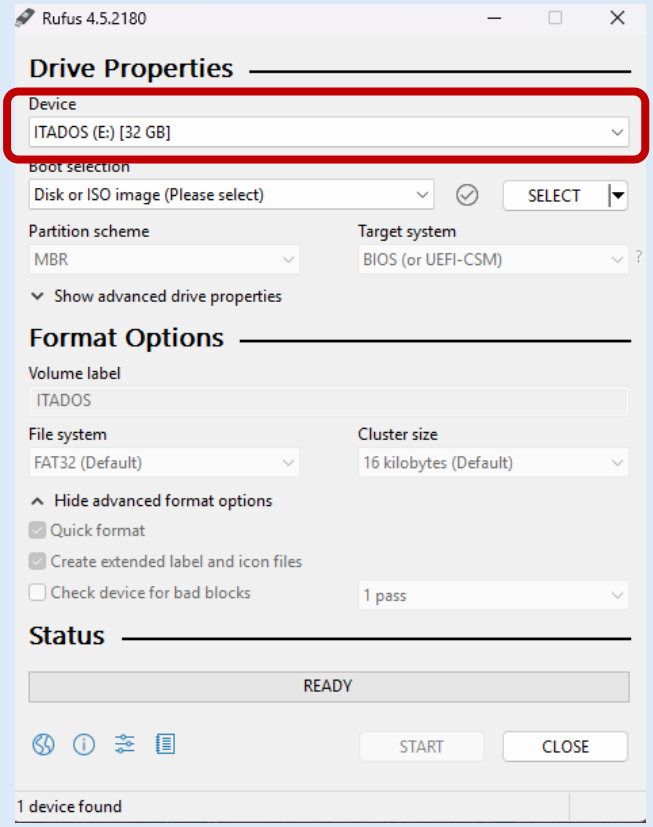

***Figure 3.1**. Rufus' USB drive list highlighted.*

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

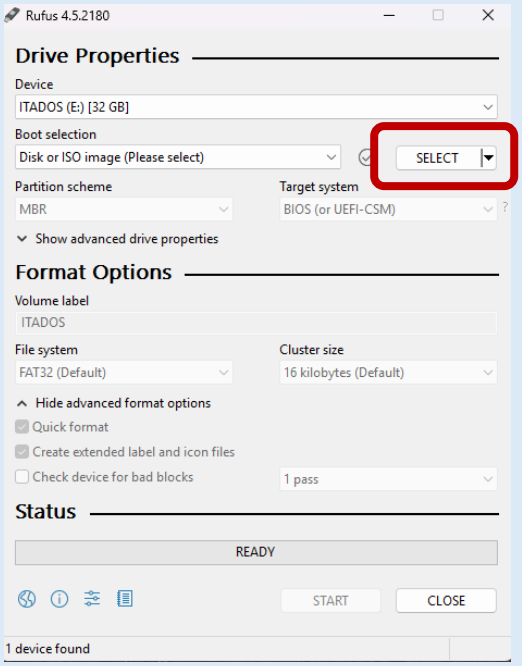

***Figure 3.2**. ISO selection button in Rufus.*

- **Press start, as shown in figure 3.3.**

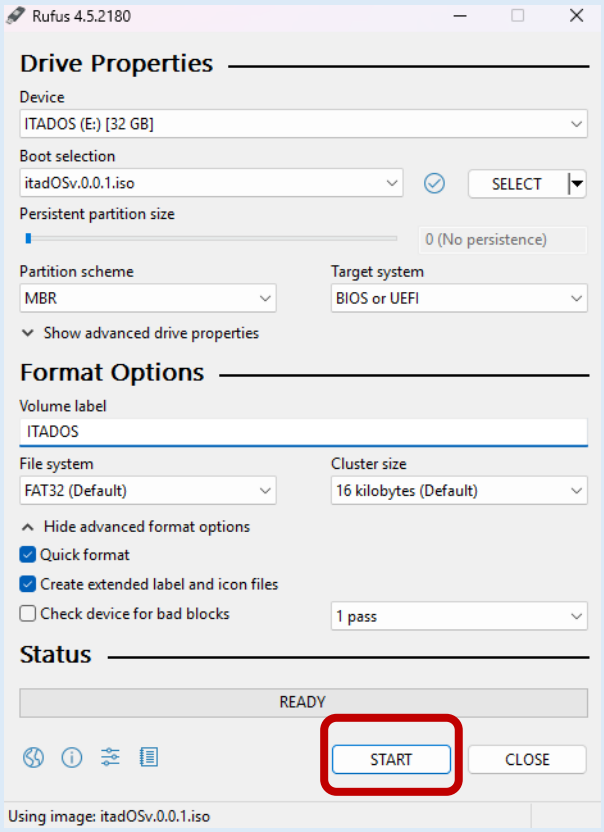

***Figure 3.3**. Start button is highlighted.*