



v.0.1.1

# itadOS

Guides

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## Contents

<b>Create itadOS ISO .....</b>	<b>2</b>
Prerequisites: .....	2
<b>Helpful links for live-build: .....</b>	<b>2</b>
Step 1 – Clone itadOS repository.....	3
Step 2 – Start setup .....	3
Step 3 – Generate ISO .....	4
<b>Modify itadOS .....</b>	<b>6</b>
Step 1 – Start setup .....	6
Step 2 – Select ‘Modify_settings’ .....	6
Step 3 – Change settings .....	7
Step 3 – Generate ISO .....	8
<b>Create itadOS USB disk.....</b>	<b>9</b>
Step 1 – Get flashing utility. ....	9
Step 2 – Get itadOS ISO.....	9
Step 3 – Flash USB disk with itadOS .....	9

## 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:

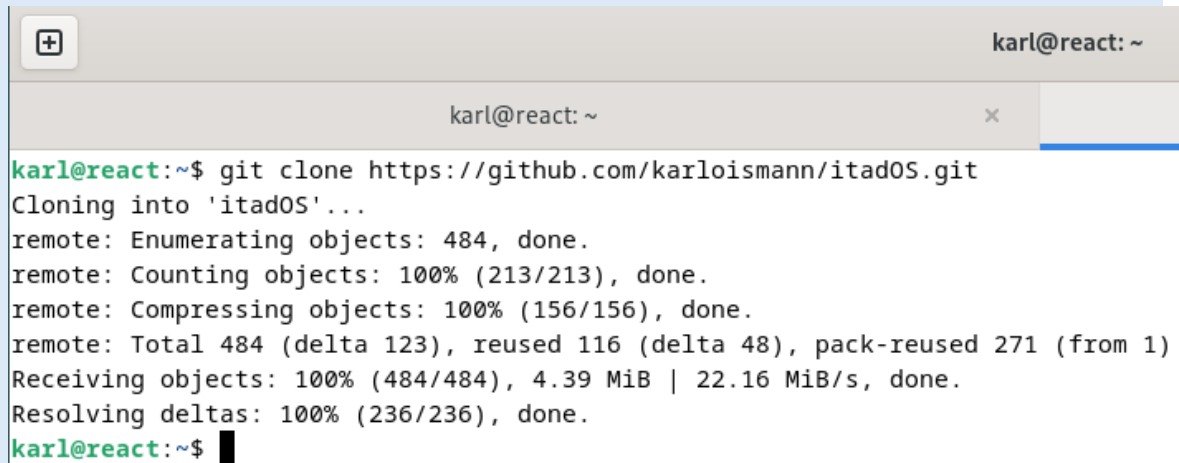
<https://debian-install-notes.pages.dev/netinstall/live-build#3>

[https://manpages.debian.org/testing/live-build/lb\\_config.1.en.html](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
```

A terminal window titled 'karl@react: ~' showing the output of the 'git clone' command. The output indicates that the repository was successfully cloned into a directory named 'itadOS'. The terminal text is as follows:

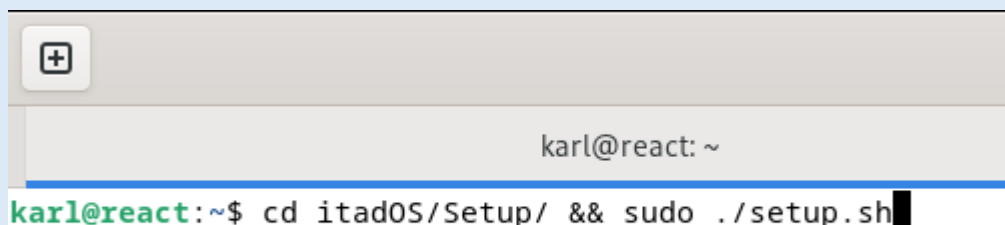
```
karl@react:~$ git clone https://github.com/karloismann/itadOS.git
Cloning into 'itadOS'...
remote: Enumerating objects: 484, done.
remote: Counting objects: 100% (213/213), done.
remote: Compressing objects: 100% (156/156), done.
remote: Total 484 (delta 123), reused 116 (delta 48), pack-reused 271 (from 1)
Receiving objects: 100% (484/484), 4.39 MiB | 22.16 MiB/s, done.
Resolving deltas: 100% (236/236), done.
karl@react:~$
```

**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
```

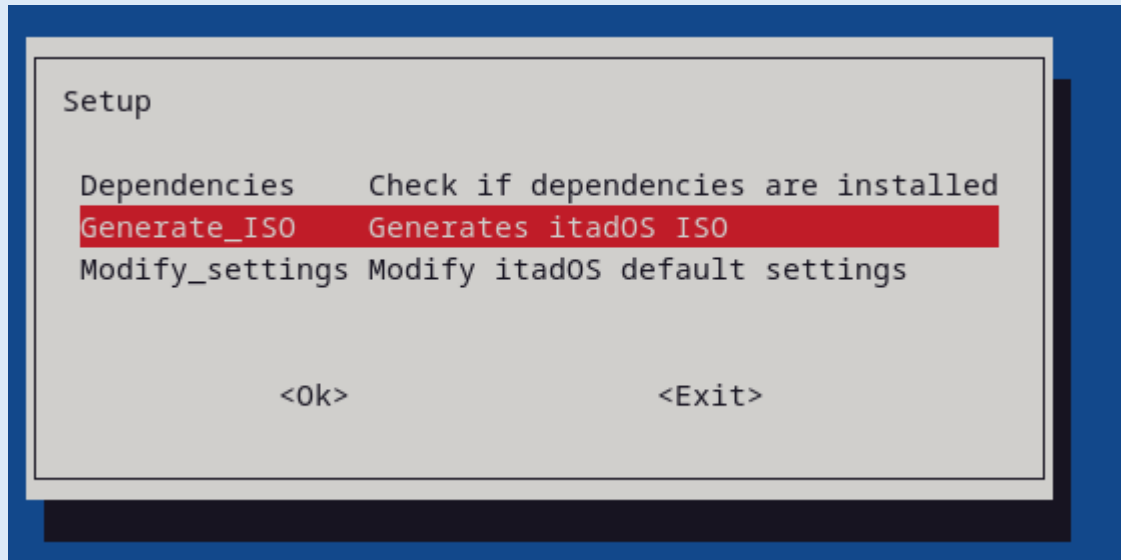
A terminal window titled 'karl@react: ~' showing the execution of the setup script. The terminal text is as follows:

```
karl@react:~$ cd itadOS/Setup/ && sudo ./setup.sh
```

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

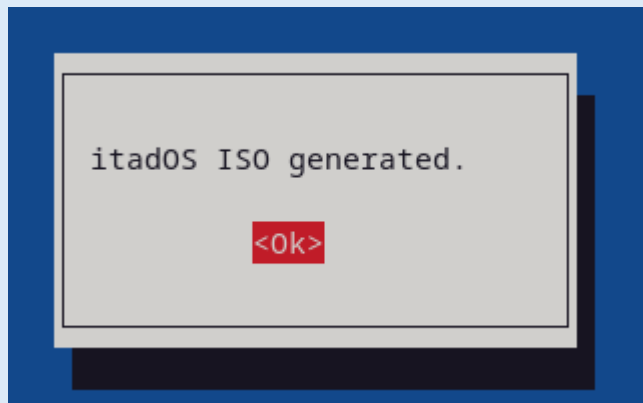
## Step 3 – Generate ISO

- 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.

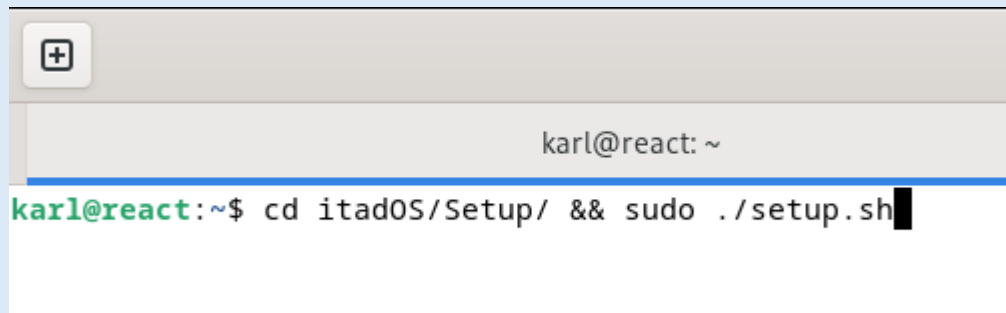
## Modify itadOS

!!! 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:

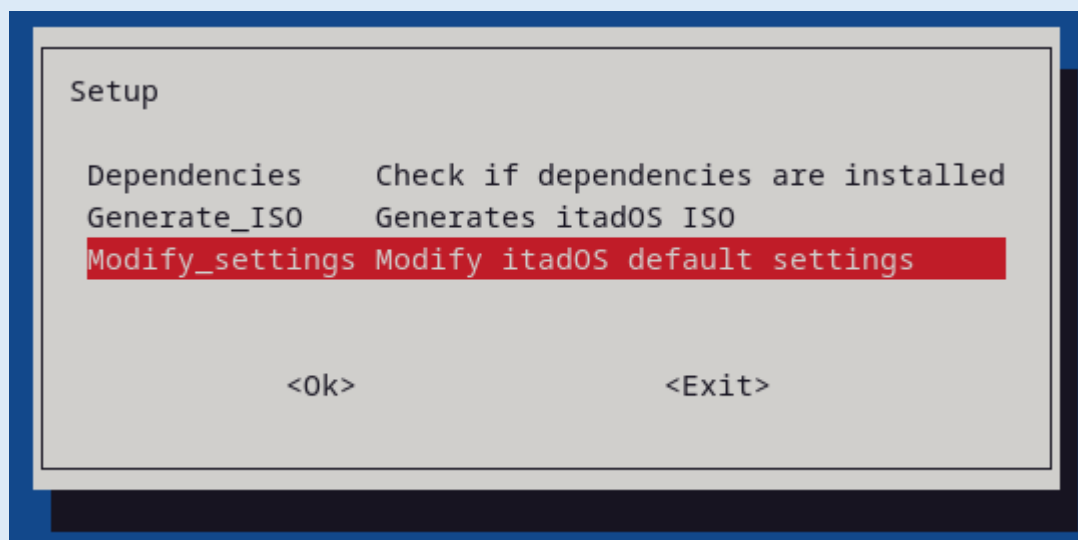
```
cd itadOS/Setup && sudo ./setup.sh
```



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

### Step 2 – Select ‘Modify\_settings’

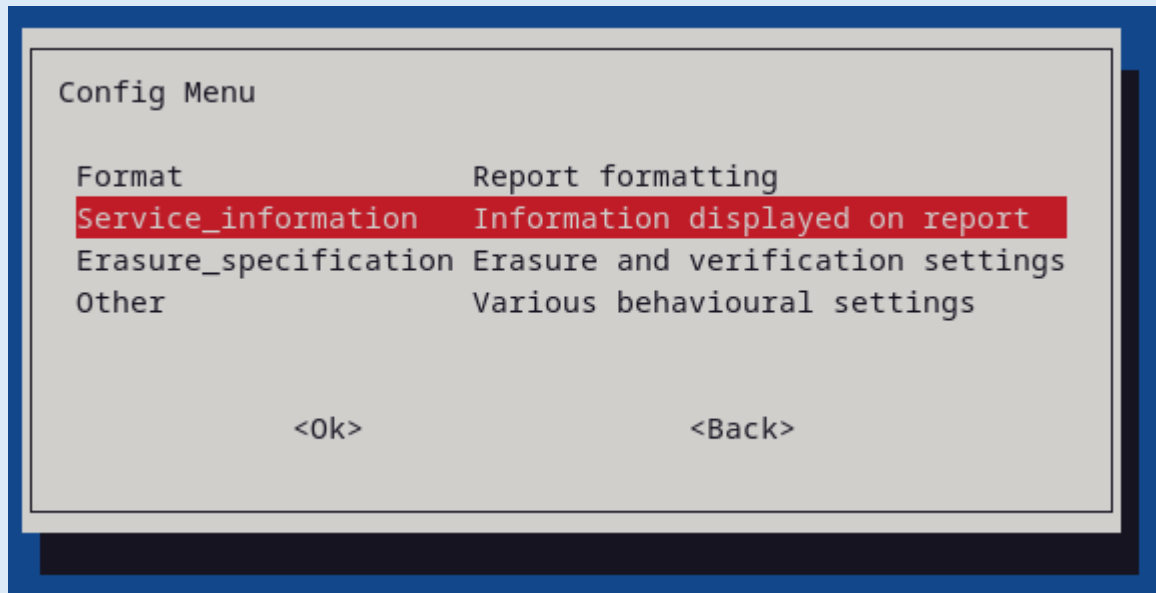
- Select ‘Generate\_ISO’, as shown in figure 2.2.



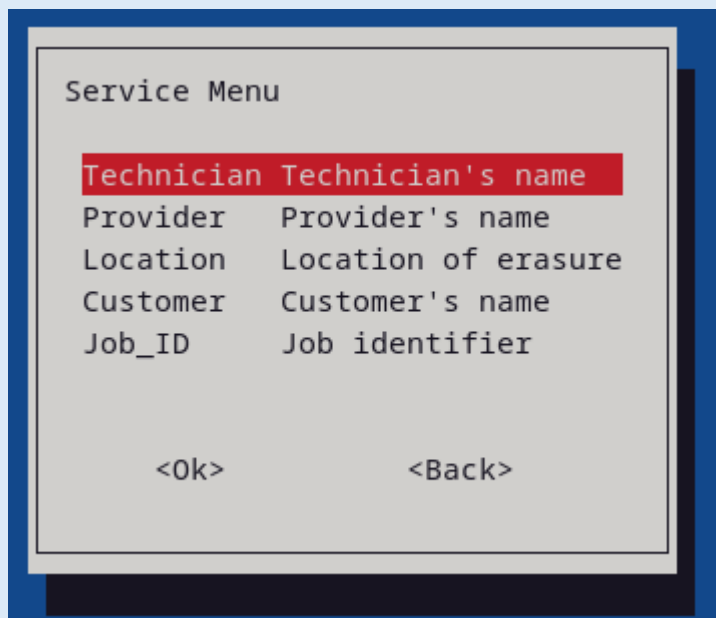
**Figure 2.2.** Menu showing various setup options for itadOS.

## 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.

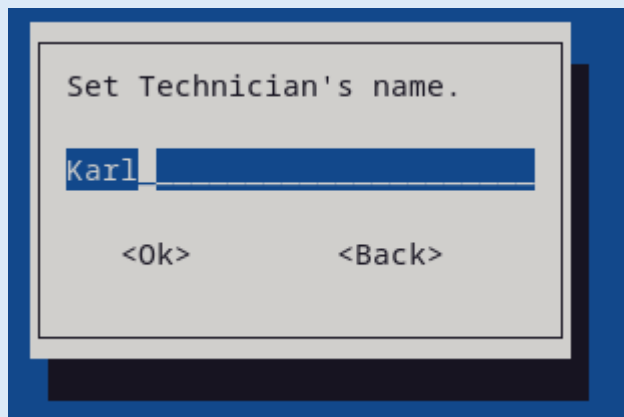


**Figure 2.3.** 'Service\_information' is selected from config menu.

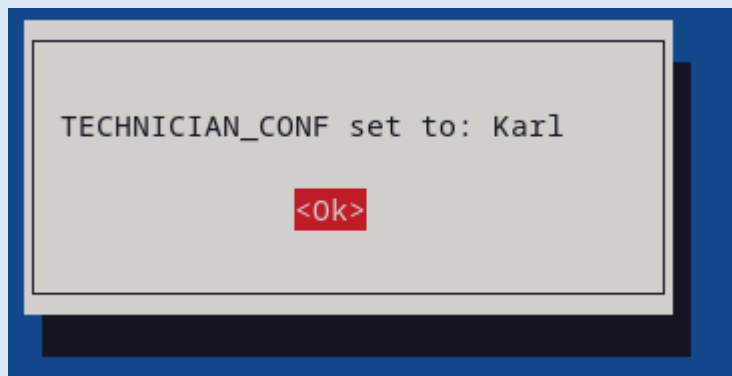


**Figure 2.4.** 'Technician' is selected from service menu.





**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.**

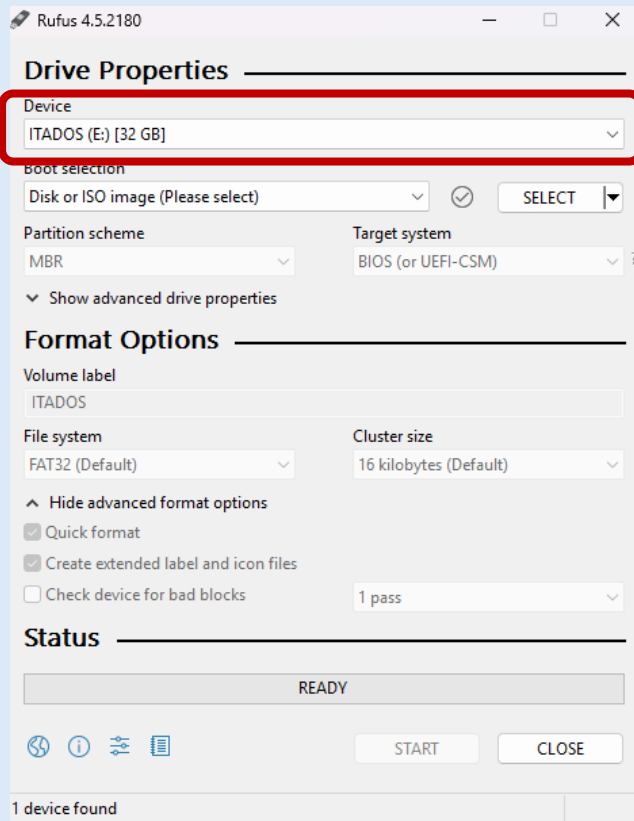
Rufus : <https://rufus.ie/en/>

Step 2 – Get itadOS ISO

- **Download itadOS ISO from [here](#) OR create ISO [here](#).**

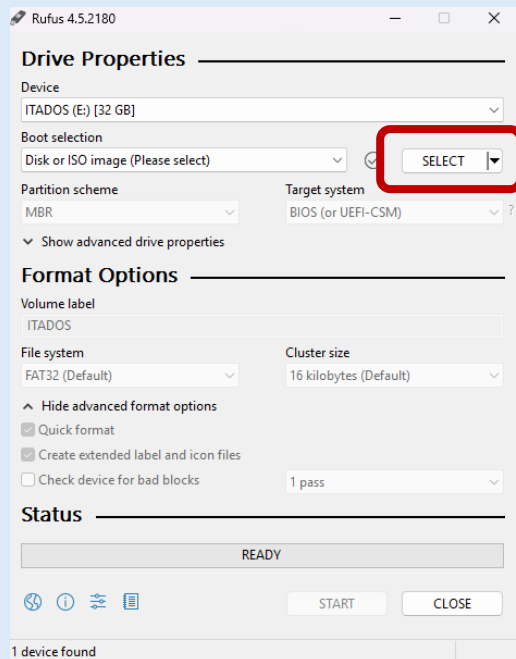
## Step 3 – Flash USB disk with itadOS

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



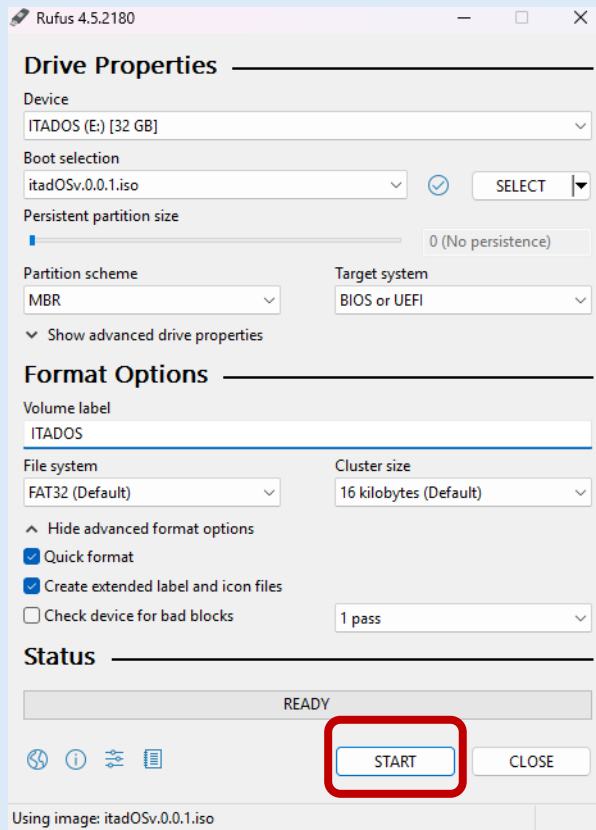
**Figure 3.1.** Rufus' USB drive list highlighted.

- 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.