EBOX Mini PC Debian 11 & MySQL (MariaDB) installation guide

Preparation:

- 1. EBOX Mini PC 1 pcs
- Download 32-bit Image debian-11.4.0-i386-netinst.iso for EBOX Vortex86DX3 Series from <u>https://cdimage.debian.org/debian-cd/current/i386/iso-cd/</u> Download 64-bit Image debian-11.4.0-amd64-netinst.iso for EBOX Intel Braswell Series from <u>https://cdimage.debian.org/debian-cd/current/amd64/iso-cd/</u>
- 3. Download tool Rufus from https://rufus.ie/en/

Use tool Rufus to create Debian 11 installer:

- A. Execute Rufus
- B. Connect USB drive to PC
- C. Select Boot selection as corresponding debian-11.4.0-netinst.iso Image

🖋 Rufus 3.17.1846	– 🗆 X
Deire Derestie	
Drive Properties —	
Device	
Install Debian GNU/Linux (D:) [32 GB]	~ E
Boot selection	
debian-11.4.0-i386-netinst.iso	SELECT
Persistent partition size	
•	0 (No persistence)
Partition scheme	Target system
MBR ~	BIOS or UEFI ~
 Hide advanced drive properties 	
List USB Hard Drives	
Add fixes for old BIOSes (extra partition,	align, etc.)
Use Rufus MBR with BIOS ID	0x80 (Default) ~
Format Options	
Volume label	
File system	Cluster size
FAT32 (Default)	To kilobytes (Default)
 Hide advanced format options 	
✓ Quick format	
Create extended label and icon files	
Check device for bad blocks	1 pass ~
Status —	
REAL	DY
(j) 🎫 🔳	START CLOSE
Using image: debian-11.4.0-i386-netinst.iso	

E. ISOHybrid image detected, select Write in ISO Image mode and click OK.

ISOHybr	id image detected
?	The image you have selected is an 'ISOHybrid' image. This means it can be written either in ISO Image (file copy) mode or DD Image (disk image) mode. Rufus recommends using ISO Image mode, so that you always have full access to the drive after writing it. However, if you encounter issues during boot, you can try writing this image again in DD Image mode. Please select the mode that you want to use to write this image: • Write in ISO Image mode (Recommended) • Write in DD Image mode
	OK Cancel

F. A warning message appear, click OK to continue with this operation.

Rufus		×
1	WARNING: ALL DATA ON DEVICE 'Install Debian GNU/Linux (D:) [32 GB]' WILL BE DESTROYED. To continue with this operation, click OK. To quit click CANCEL.	
	OK Cancel	

G. Remove USB drive after Debian 11 installer created.

Debian 11 installation:

Boot up EBOX with Debian 11 installer and connect to internet, follow below steps: A. Select Graphical Install.

Debian GNU/Linux installer menu (BIOS mo	de)
Graphical install Install Advanced options Accessible dark contrast installer menu Help Install with speech synthesis	> >
•	
(e) debian 11	

B. Select a language.

C	debian 11
Select a language	
Choose the langu Language:	age to be used for the installation process. The selected language will also be the default language for the installed system.
c	- No localization
Albanian	- Shqip
Amharic	- hगc7
Arabic	ــــــــــــــــــــــــــــــــــــــ
Danish	- Dansk
Dutch	- Nederlands
Dzongkha	· 市注
English	• English
Esperanto	- Esperanto
Estonian	- Eesti
Finnish	- Suomi
French	- Français
Galician	- Galego
Georgian	- ქართული
German	- Deutsch
1 70/0	- 1 btmp '
Screenshot	Go Back Continue

C. Select your location and click continue.

(e) debian 11	
Select your location	
The selected location will be used to set your time zone and also for example to help select the system locale. Normally th country where you live.	is should be the
This is a shortlist of locations based on the language you selected. Choose "other" if your location is not listed. Country, territory or area:	
India	^
Ireland	
Israel	
New Zealand	
Nigeria	
Philippines	
Seychelles	
Singapore	
South Africa	=
United Kingdom	
United States	
Zambia	
Zimbabwe	
other	<u>~</u>
Screenshot Go	Back Continue

D. Set debian as Hostname.

🤄 debian 11	
Configure the network	
Please enter the hostname for this system. The hostname is a single word that identifies your system to the network. If you don't kno network administrator. If you are setting up your own home network, you can make somet Hostname:	w what your hostname should be, consult your hing up here.
debian	
Screenshot	Go Back Continue

E. Click continue and skip domain name.

(e) debian 11	
Configure the network	
The domain name is the part of your Internet address to the right of your host name. It is o or .org. If you are setting up a home network, you can make something up, but make sure a computers. Domain name:	ften something that ends in .com, .net, .edu, you use the same domain name on all your
Screenshot	Go Back Continue

F. Set up user name.



G. Click continue and skip root and password.

(e) debian 11
Set up users and passwords
You need to set a password for 'root', the system administrative account. A malicious or unqualified user with root access can have disastrous results, so you should take care to choose a root password that is not easy to guess. It should not be a word found in dictionaries, or a word that could be easily associated with you.
The root user should not have an empty password. If you leave this empty, the root account will be disabled and the system's initial user account will be given the power to become root using the "sudo" command.
Note that you will not be able to see the password as you type it. Root password:
Show Password in Clear
Please enter the same root password again to verify that you have typed it correctly. Re-enter password to verify:
Skip root password in Clear
Screenshot Go Back Continue

H. Select use entire disk.

(e) debian 11
Partition disks
The installer can guide you through partitioning a disk (using different standard schemes) or, if you prefer, you can do it manually. With guided partitioning you will still have a chance later to review and customise the results.
If you choose guided partitioning for an entire disk, you will next be asked which disk should be used. Partitioning method:
Guided - use entire disk
Guided - use entire disk and set up LVM
Guided - use entire disk and set up encrypted LVM
Manual
select use entire disk
Screenshot Go Back Continge

I. Select the storage to install.



J. Select Yes and click continue to install GURB boot loader.



Debian 11 installation completed!



MySQL (MariaDB) installation:



Reboot EBOX, enter user's name and password to enter Debian 11, follow below steps:

A. Click terminal.



B. Execute: sudo apt update, and input password.



C. Execute: sudo apt install mariadb-server.



D. Enter Y to continue.



E. Execute sudo mysql_secure_installation.



F. Click enter for none.



G. Enter Y to continue.



H. Enter Y to continue.



I. Enter Y to continue.



J. Enter Y to continue.



K. Execute: mysql -u root -p



Enter MariaDB successfully!

