GNU GRUB version 2.02+dfsg1-20

```
*Elive 64BIT 3.7.8 (alpha) GNU/Linux
 Advanced options for Elive 64BIT 3.7.8 (alpha) GNU/Linux
 Elive stable 3.0.0 (7.11) (on /dev/sda3)
 Advanced options for Elive stable 3.0.0 (7.11) (on /dev/sda3)
```

Installing Elive 3.7.8 Alpha next to Elive 3.0.0 stable.

Use the ↑ and ↓ keys to select which entry is highlighted.
Press enter to boot the selected OS, `e' to edit the commands before booting or `c' for a command-line.

A   lthough Elive is primarily meant to be a live distro running off a USB flasdisk it can also be installed to your hard drive.

This tutorial will take us along the path of installing the brand new Elive 3.7.8 amd 64 bit Alpha release next to an existing Elive 3.0.0 32bit i686 installation.
The installer does offer the option to upgrade or migrate an existing OS, which is quite usable and stable whith other distributions like Ubuntu or Mint but upgrading 3.0.0, which has an E17 Desktop Environment to 3.7.8 is not advisable.
For now the currently used DE on 3.7.8 is E16, which is an older but stable and well maintained, minimal environment that nevertheless conflicts with its succesor E17.
In short: We will install 3.7.8 alongside 3.0.0 in its own partition.

I had previously migrated an existing install with an earlier Elive 64bit

I   had previously migrated an existing Linux-Lite install with an earlier version of Elive X64 so the repartitioning wasn't needed. If there had been another Linux OS there, the installer would have offered a migration as an option but that's
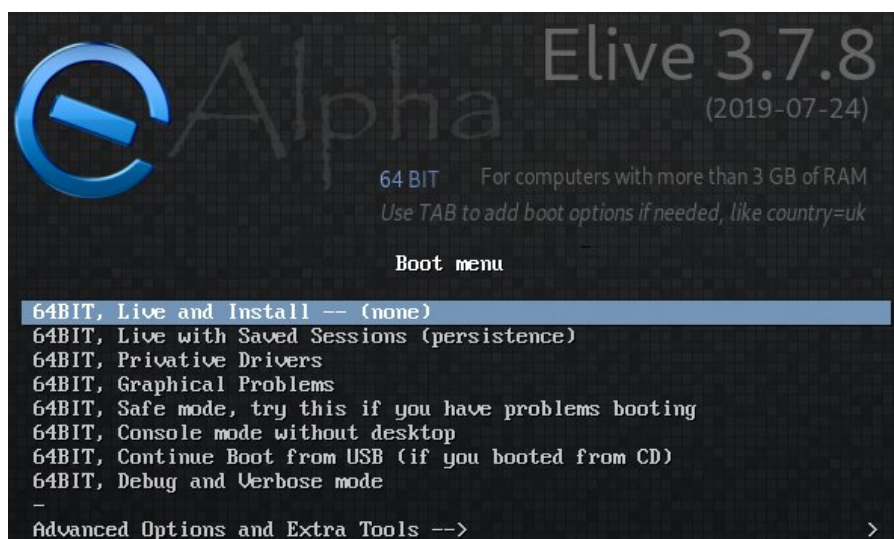
for another How-to.

So let's boot off the USB disk by, in my case hitting F12 and getting the boot options for my machine.
To be clear: This did require me to turn off Secure Boot in my BIOS.
On boot we are presented with the Live Boot options as during any normal Elive live boot-up.
The menu might seem a bit daunting at first sight but the easiest way forward is to simply hit <enter> and boot up with the default option.
If you, subsequently run into trouble

Elive 3.7.8
(2019-07-24)

64 BIT   For computers with more than 3 GB of RAM
Use TAB to add boot options if needed, like country=uk

Boot menu

```
64BIT, Live and Install -- (none)
64BIT, Live with Saved Sessions (persistence)
64BIT, Privative Drivers
64BIT, Graphical Problems
64BIT, Safe mode, try this if you have problems booting
64BIT, Console mode without desktop
64BIT, Continue Boot from USB (if you booted from CD)
64BIT, Debug and Verbose mode
_
Advanced Options and Extra Tools -->
```

Most entries are self explanatory in my view but I'll try to explain them anyway.

- The default is your best option usually and simply boots a live instance of Elive. The "install" part comes at a later stage and is optional.

- The persistence option is exactly that and allows for keeping a personalized version and data. It will only work if opted for in a second or third boot-up due to the fact that on the first time there's nothing to save.

Elive is especially crafted to run in "Live" mode

So you can take your personal desktop and tools with you and run it wherever you go **...**

- Privative drivers refer to non-free drivers for certain GPUs like the Nvidia ones.

- Graphical problems is just that. If you get a persistent black or strange screen try that option.

- Console mode is for a version without a GUI. Advisory on very, very low spec hardware or if a headless server is wanted.

- The other options I think don't need any explanation

Booting the Machine

You will be welcomed by this screen explaining the beta-status of the current version. I strongly suggest reading all pop-ups before clicking them away.

Be warned:
Beta versions tend to differ to what is usually offered in the way of installation and results.
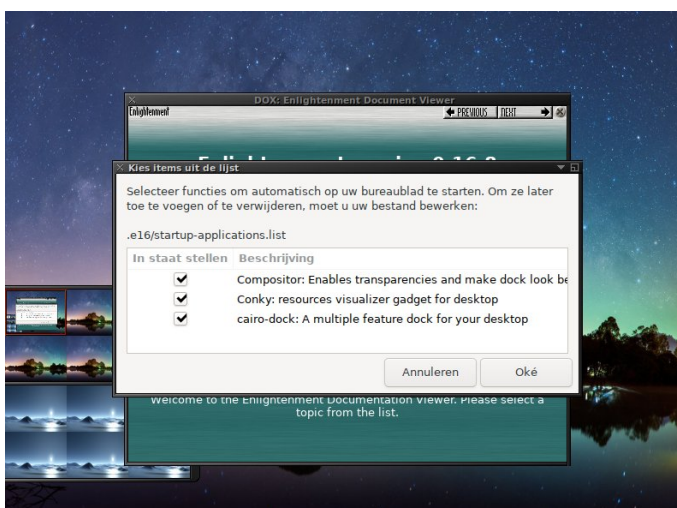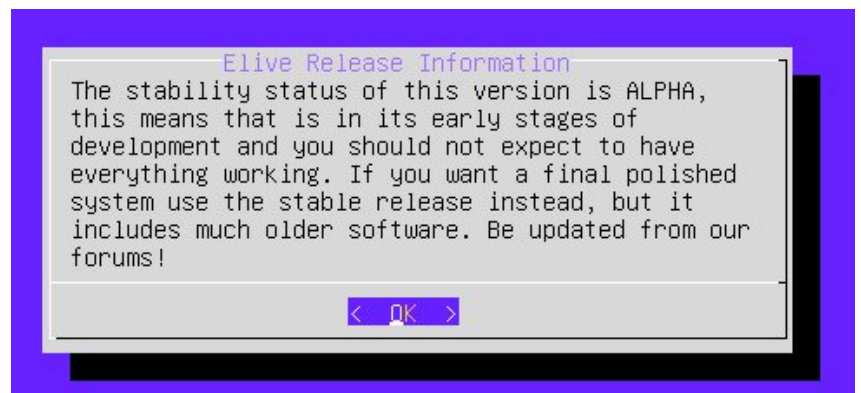
Where we are greeted with the next screen indicating the Desktop.
Where a few questions about running your new Desktop are asked.
Remember these are not questions about an installation to your Hard Disk, only to configure the "Live" desktop.
Be aware however, that In a later stage, when installing to HD, these settings will be used as your preferred settings.

Using the Cairo-dock is strongly advised as it will give you more control over the desktop without having to search through application menus.

Play around or opt for a donation to Elive, if you havent done so already. Funds are direly needed to keep the project running.
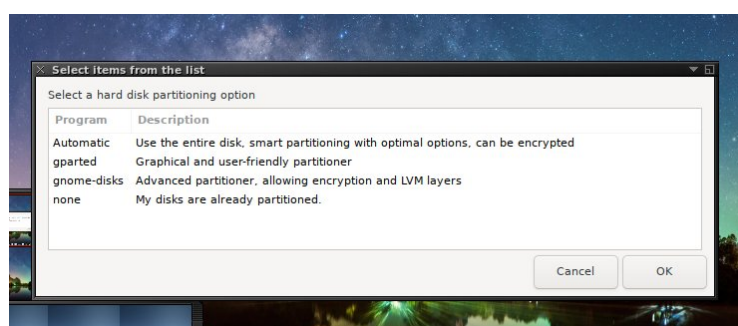

Running the installer ..

Feel very free to set everything to your personal liking.
After a while you will be confronted with a pop-up asking if you want install or continue testing in live mode.
You will always have to option to install through the application menu in the "Elive" section, so don't feel pressed.

The Installation Routine

W hen starting the installer you will get the following screen.

Which is actually a very important one for Elive. It asks if you would enable giving feedback on how the installation progressed and in the eventuality of mayhem, find out what went wrong. Thus helping others by reporting.
For that you will be asked to enter your email address so as to be able to find it again later. It also helps to take note of the date and hour for later reference.
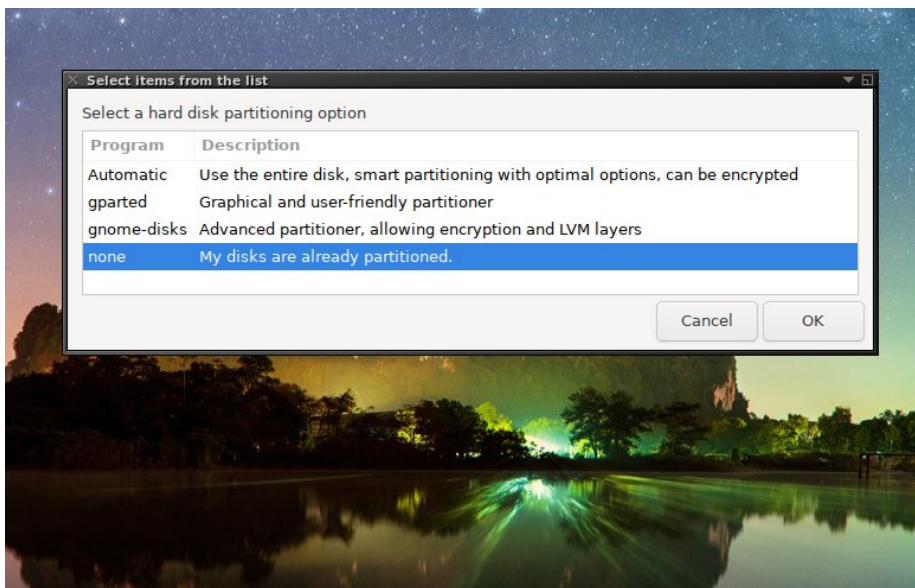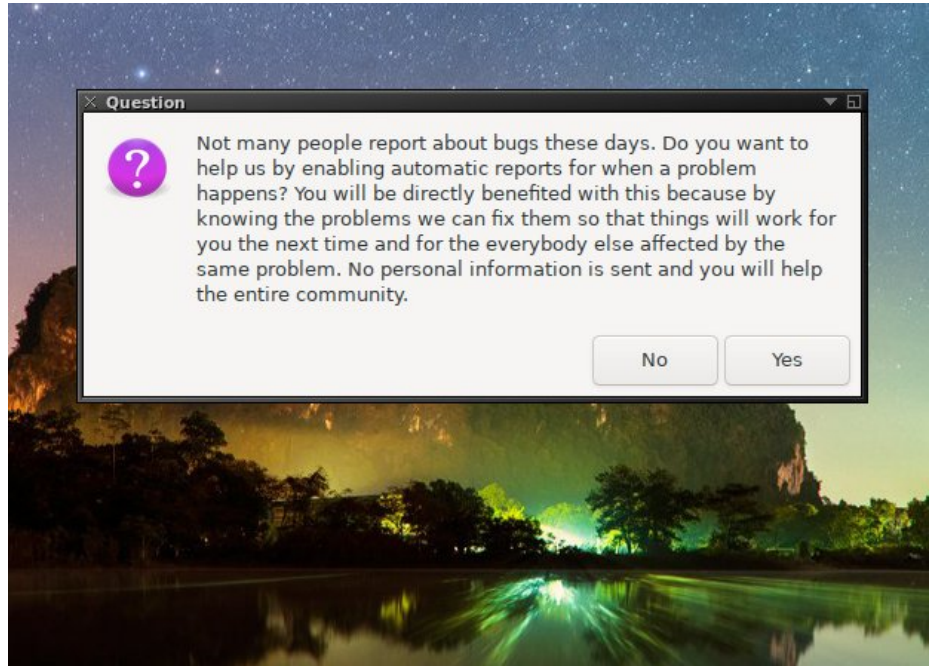

You well then be asked if you want to upgrade the existing Elive installation, which we don't so we will then be offered the options available.

Where we will opt for using the existing partitions.

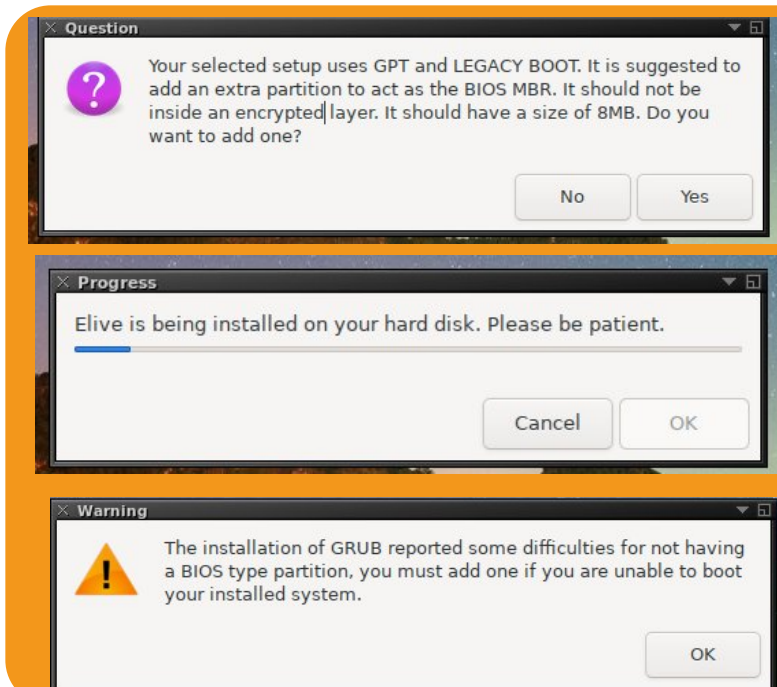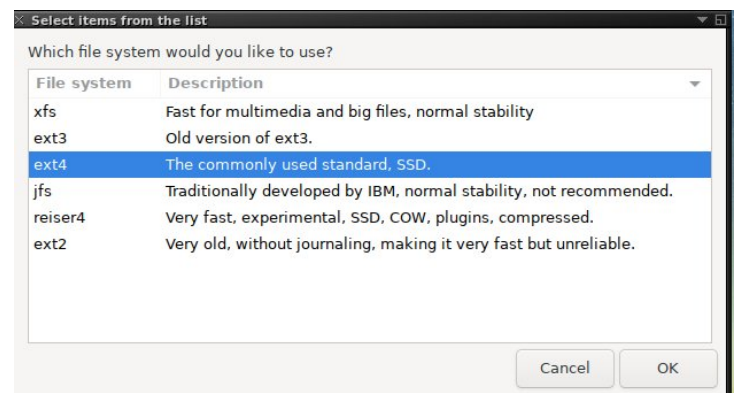That will lead us to the next screen that offers all the available partitions.

Where in this case we will leave the stable Elive for what it is and go for the 3.7.6 partition (or whichever one is on your machine).

Which will raise the question to which filesystem we want to use.
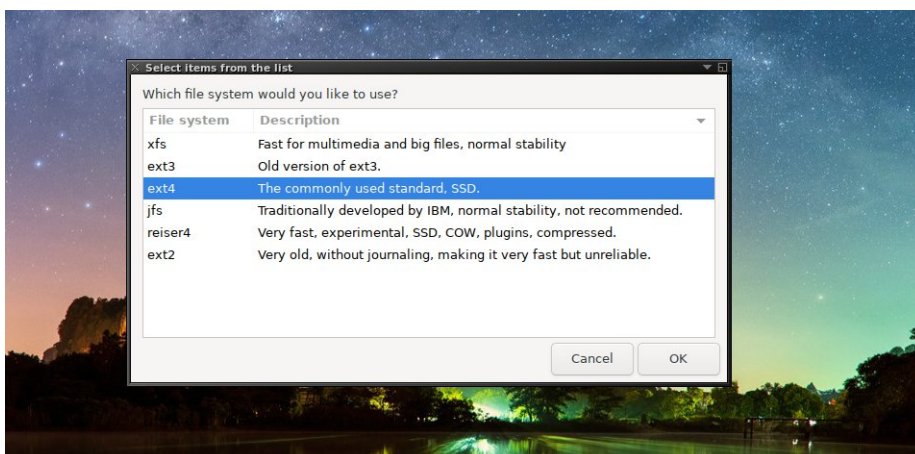
After a warning, the file system will be set and the existing partition erased and formatted. Which will then ask if you want to add more partitions like one for /home or /opt but as seen in the screen before, our options are limited.

Then comes a part which can have consequences. Depending on the previous installation there and how you booted up. In my case there is no room for another (even a small 8 Mb) partition at the beginning of the disk without messing with the stable Elive there. So I opt for "No" and carry on installing.

Select items from the list

Which file system would you like to use?

File system	Description
xfs	Fast for multimedia and big files, normal stability
ext3	Old version of ext3.
ext4	The commonly used standard, SSD.
jfs	Traditionally developed by IBM, normal stability, not recommended.
reiser4	Very fast, experimental, SSD, COW, plugins, compressed.
ext2	Very old, without journaling, making it very fast but unreliable.

Cancel   OK

Question

Your selected setup uses GPT and LEGACY BOOT. It is suggested to add an extra partition to act as the BIOS MBR. It should not be inside an encrypted layer. It should have a size of 8MB. Do you want to add one?

No   Yes

Progress

Elive is being installed on your hard disk. Please be patient.

Cancel   OK

Warning

The installation of GRUB reported some difficulties for not having a BIOS type partition, you must add one if you are unable to boot your installed system.

OK

We get asked some questions about needed drivers and software options. Which are fairly easy to answer and self explanatory.

And a warning about the boot partition, of course. But a subsequent reboot gives exactly what was wanted in the first place.

Success !