

# Installing Scientific Linux 7.6 for Olex

- To prepare make sure you have downloaded the following:
    - Scientific Linux 7.6 Auto-installer
    - The latest Olex version
    - Fedora Media Writer
- They can be found here:  
[www.olex.no/download.html](http://www.olex.no/download.html)
- Use Fedora Media Writer and write the SL7.6\_auto.iso file to an USB drive.

# Olex

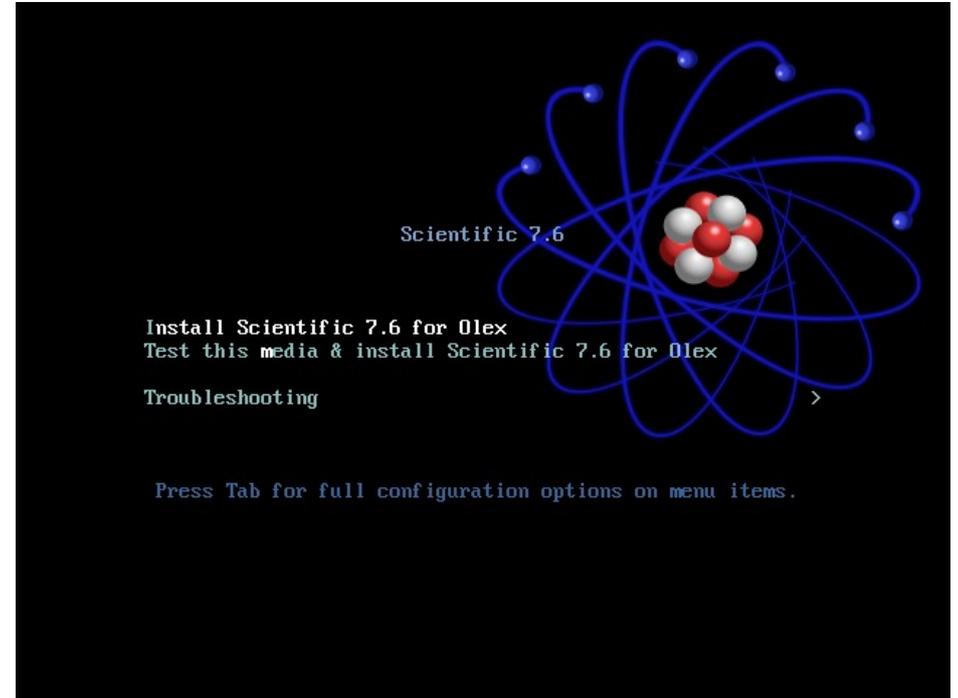


# Installing Scientific Linux 7.6 for Olex

- Disable Secureboot and Fastboot in machine BIOS, if the machine is an Olex M3 do:

Chipset → Onboard Device → Realtek LAN Controller → [Disabled]

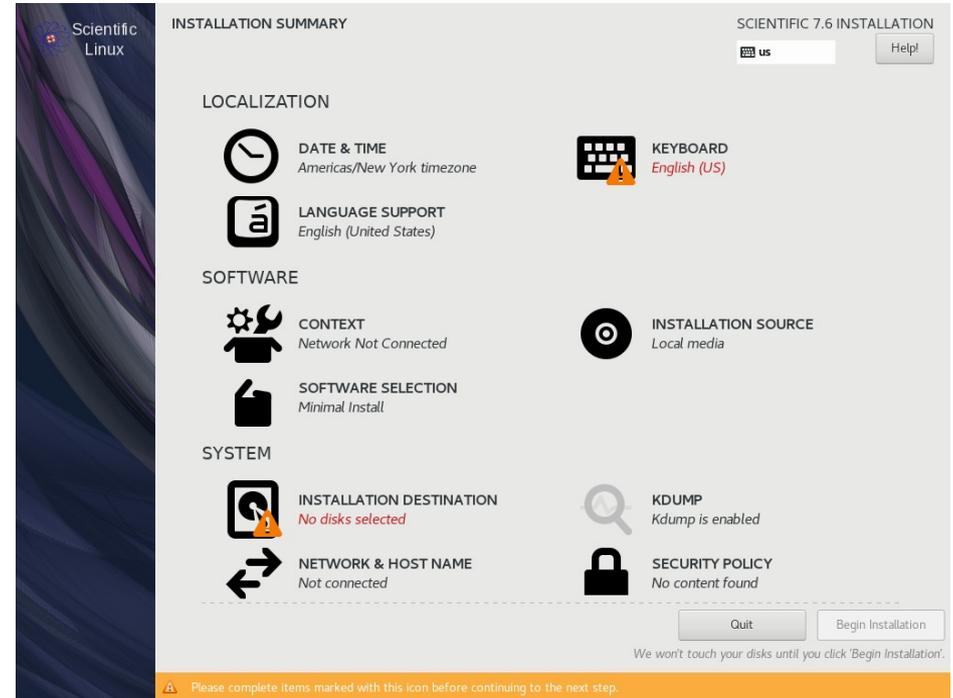
- Boot from the USB drive created with Fedora Media Writer.
- Select Install Scientific 7.6 for Olex.



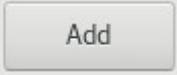
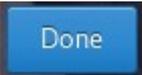
# Installing Scientific Linux 7.6 for Olex

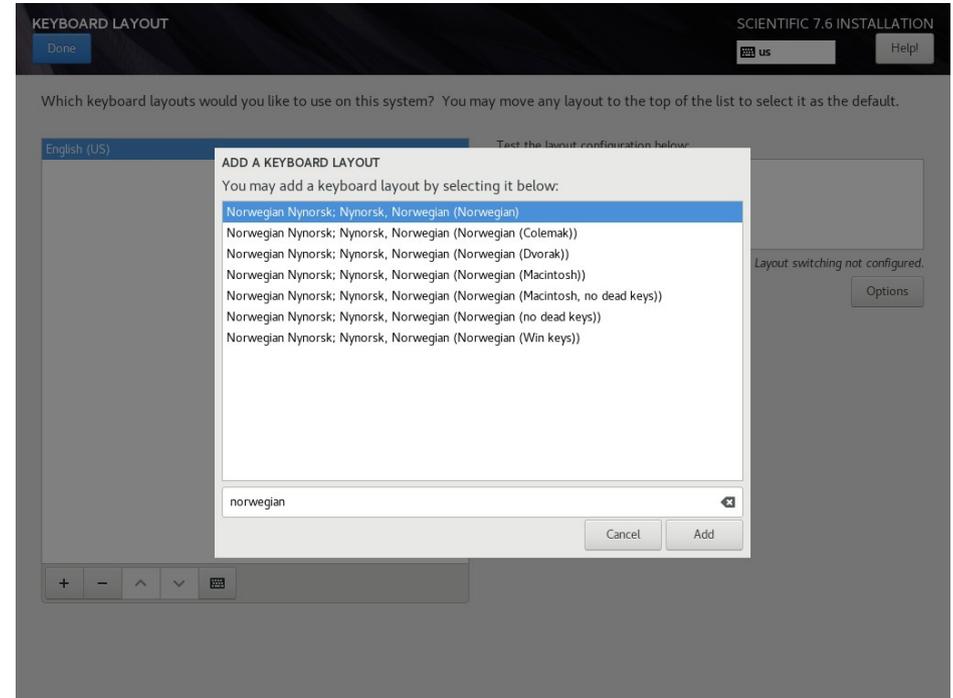
- The auto installer has configured most options.
- Keyboard layout and hard drive partitions need to be adjusted manually.

- Click



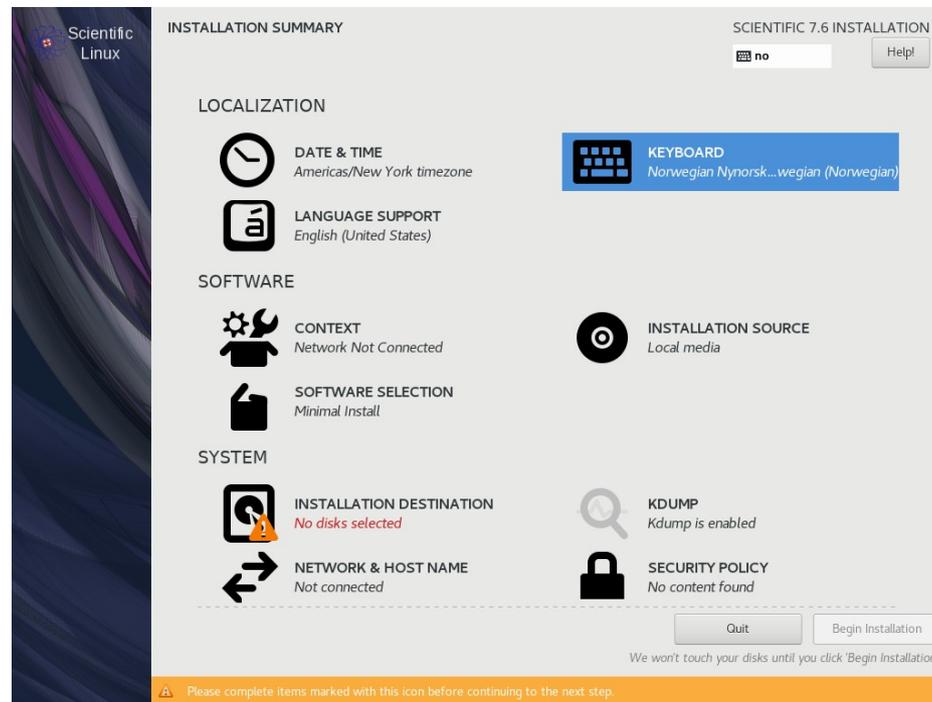
# Installing Scientific Linux 7.6 for Olex

- To change the keyboard layout, select the default keyboard layout “English (US)” and click 
- You can then search for the desired keyboard layout.
- Select desired keyboard layout.
- Then click  and 



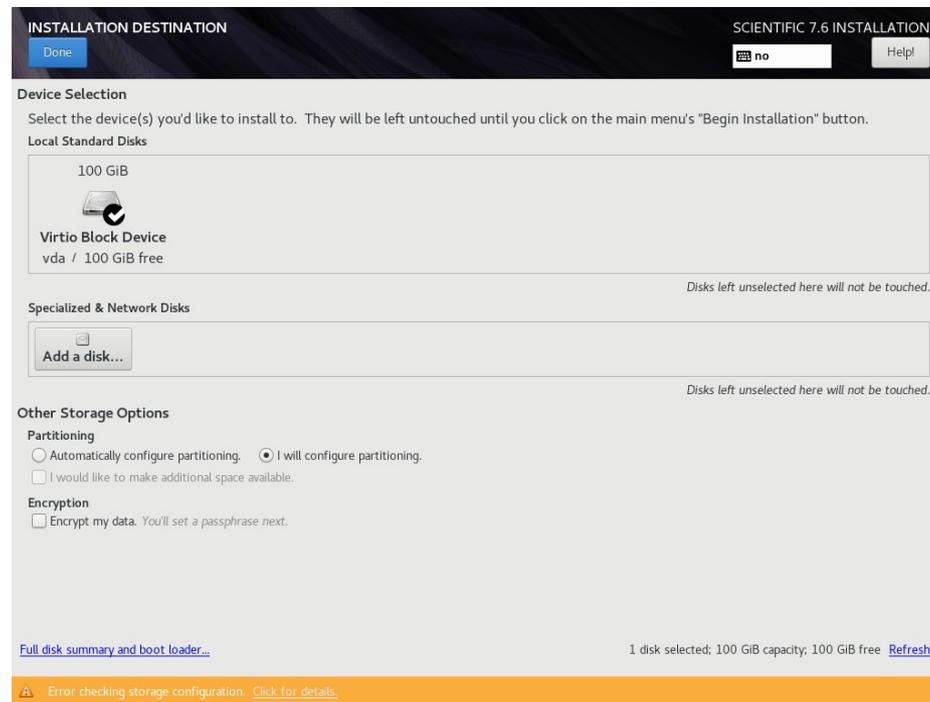
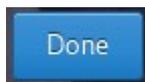
# Installing Scientific Linux 7.6 for Olex

- Click



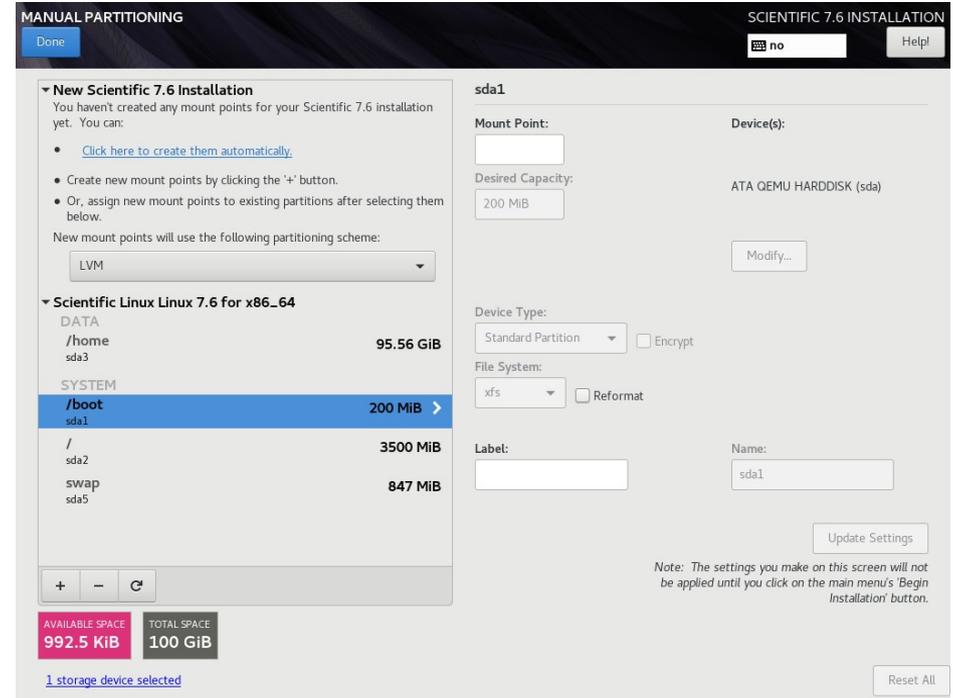
# Installing Scientific Linux 7.6 for Olex

- Click

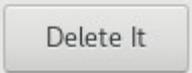


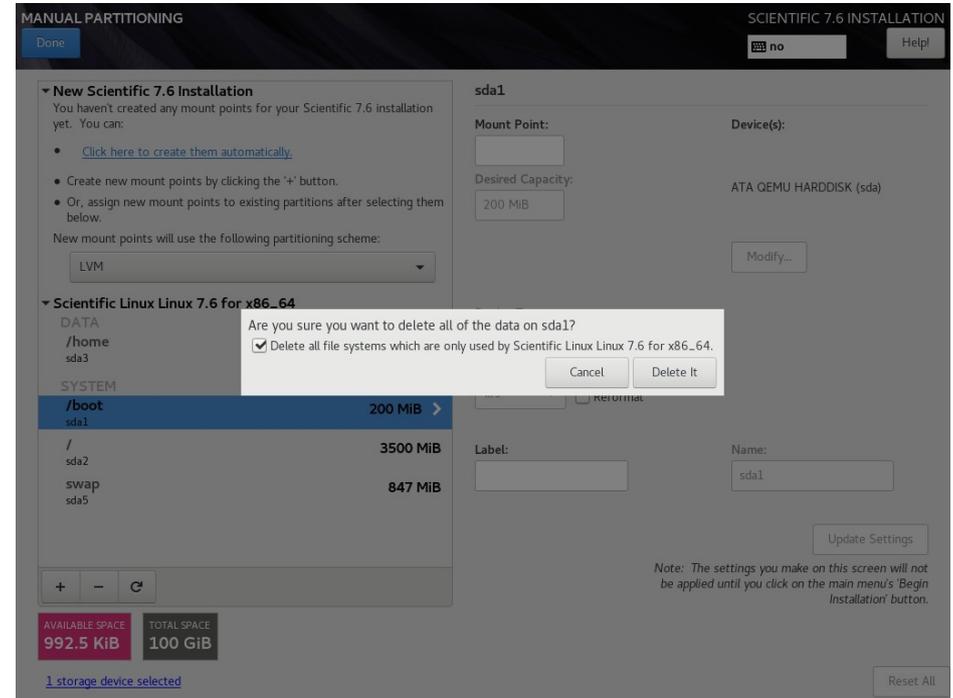
# Installing Scientific Linux 7.6 for Olex

- If there is an existing operating system installed it should be removed to make space.
- Click on the installed operating system to view its partitions.
- Select one of the existing partitions that appeared and click 



# Installing Scientific Linux 7.6 for Olex

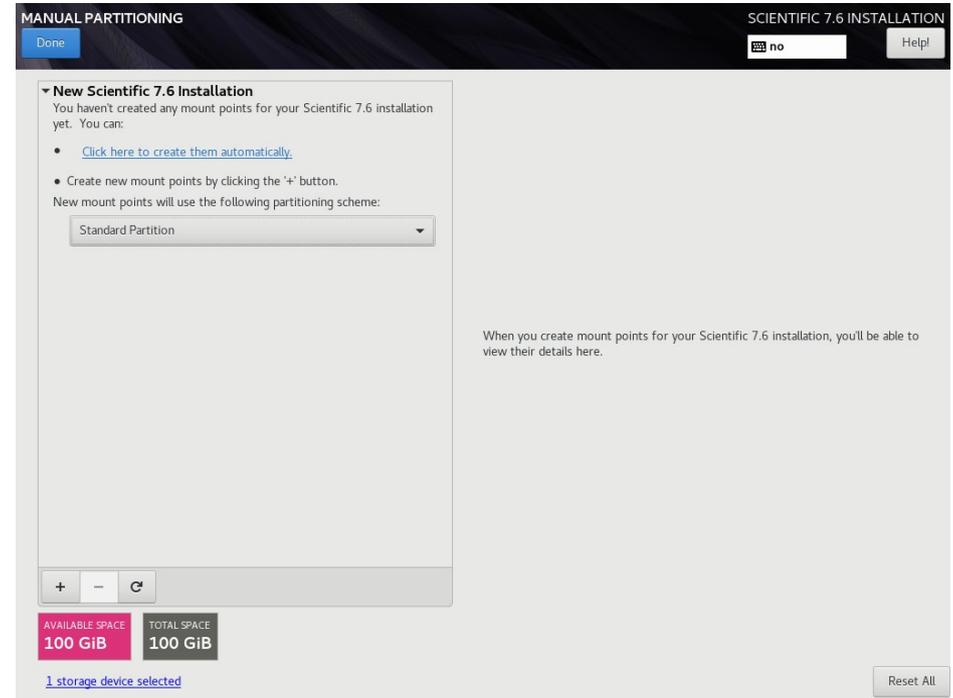
- Click the check box to delete all the old partitions.
- Click the  button to confirm that all partitions used by the old installation should be removed.



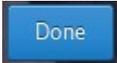
# Installing Scientific Linux 7.6 for Olex

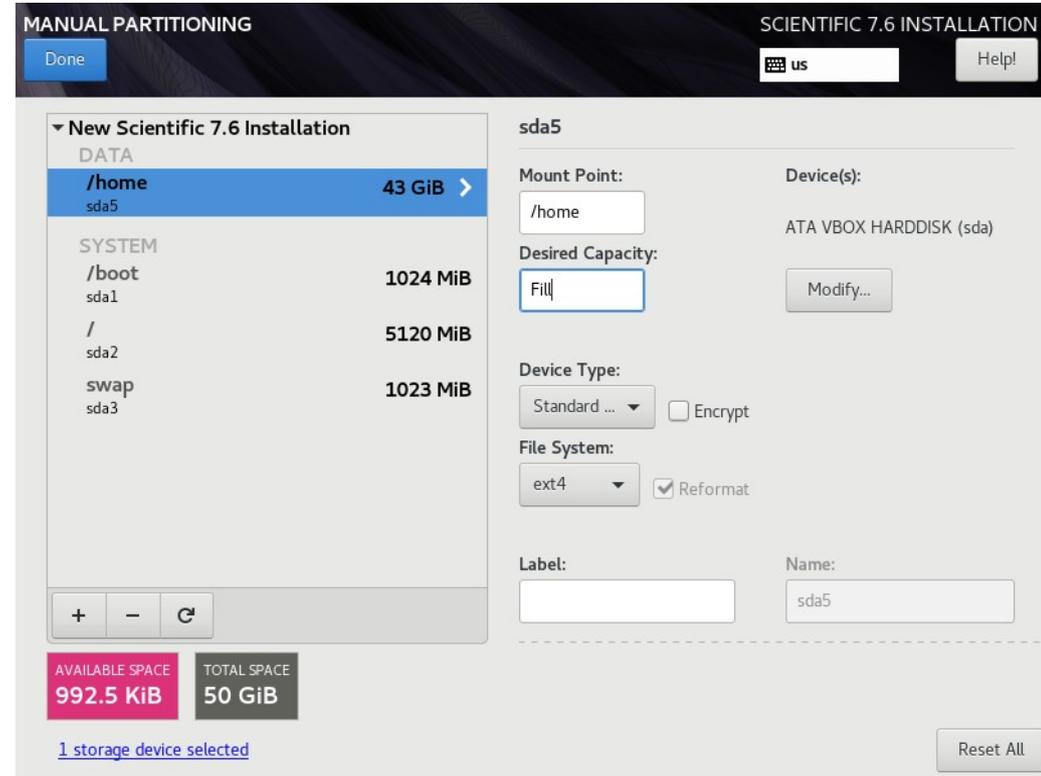
- Change from “LVM” to “Standard Partition” in the drop down menu.
- Click the blue link that says:

[Click here to create them automatically](#)



# Installing Scientific Linux 7.6 for Olex

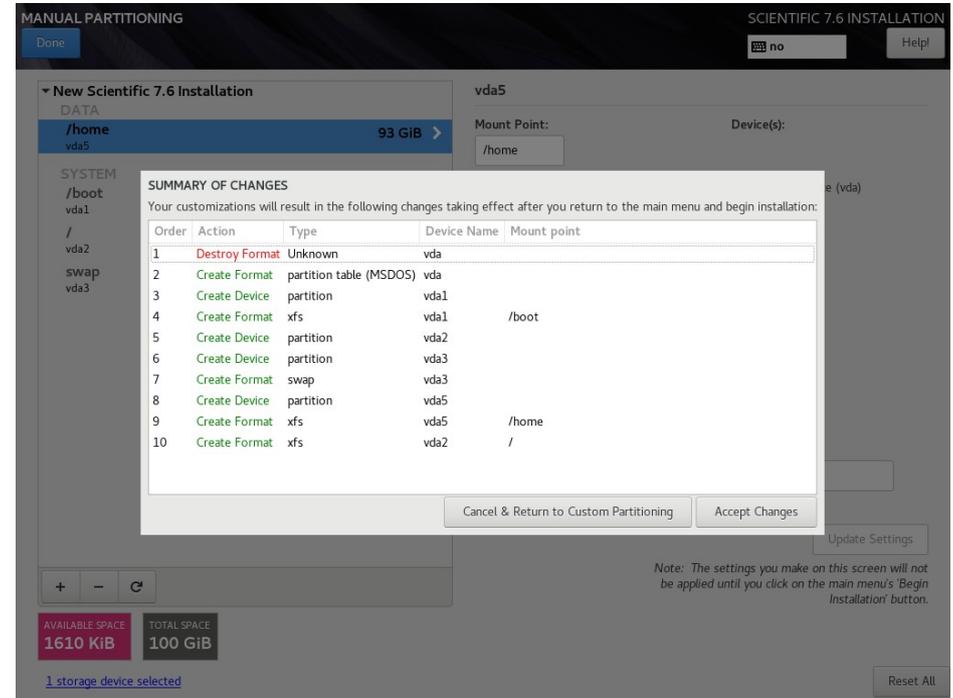
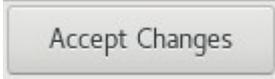
- NB: In this section only edit partitions mentioned. Partitions that were automatically created in the previous step that are not mentioned here should be left untouched.
- Select Mount Point / and set Desired Capacity to 5120 MiB and File System to ext4.
- Select the swap partition and set Desired Capacity to 1024 MiB.
- Select Mount Point /home and set Desired Capacity to "Fill" and File System to ext4. The /home partition will then extend to use the remaining space on the disk.
- Click 



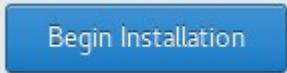
# Installing Scientific Linux 7.6 for Olex

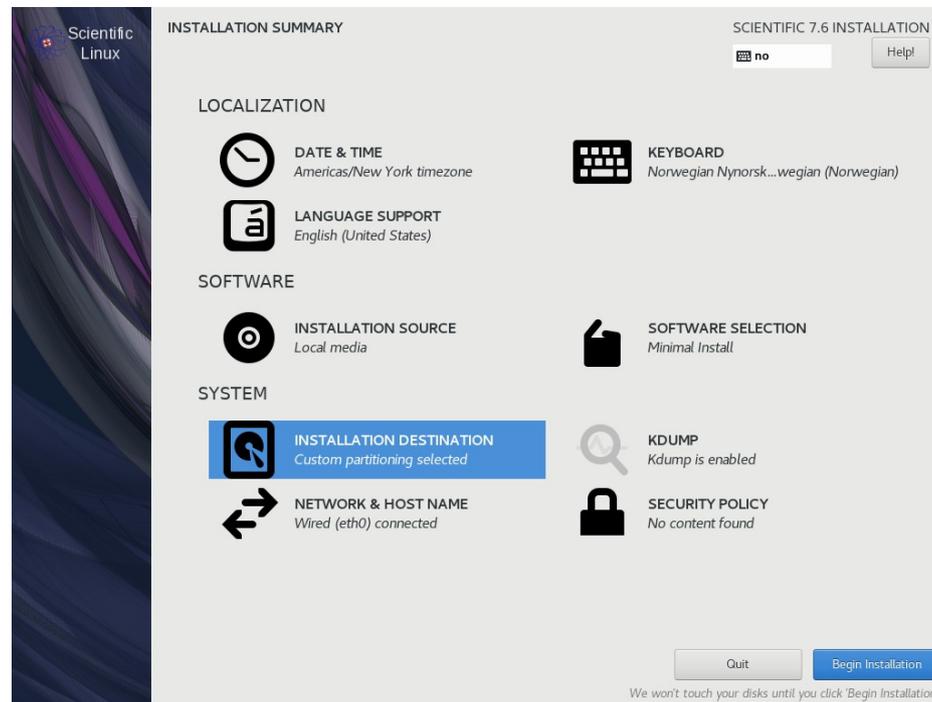
- A window will pop up asking us to confirm changes.

- Click



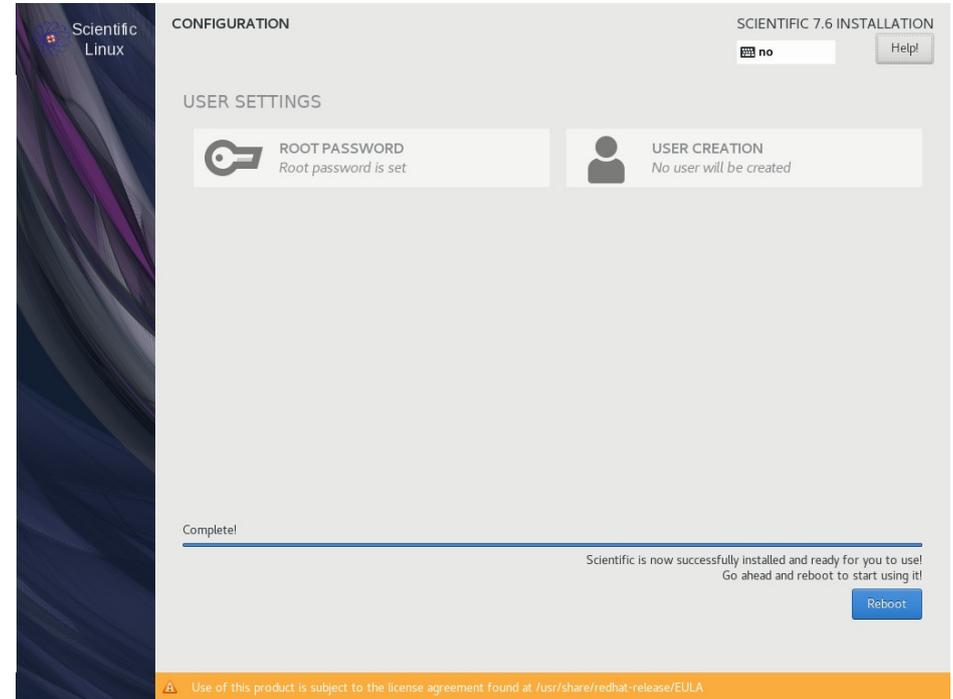
# Installing Scientific Linux 7.6 for Olex

- Click 



# Installing Scientific Linux 7.6 for Olex

- Installation is finished when you reach this screen. Click  to reboot the machine.
- Wait until the machine has shut down before removing USB drive.



# Installing Scientific Linux 7.6 for Olex

- Remove USB drive used for installing Scientific Linux if not already removed.
- Login to the system with the following credentials:  
olex login: root  
Password: fiskebat
- The password will not be visible during input.

A terminal window showing the boot process of Scientific Linux 7.6 (Nitrogen). The text displayed is: Scientific Linux 7.6 (Nitrogen), kernel 3.10.0-957.el7.x86\_64 on an x86\_64, and olex login: \_.

# Installing Scientific Linux 7.6 for Olex

- Insert an USB drive with the latest Olex ISO file.
- Run command:  
`sh install-olex`
- You will be prompted to confirm installation. Press `y` and enter to confirm.

```
Scientific Linux 7.6 (Nitrogen)
Kernel 3.10.0-957.el7.x86_64 on an x86_64

olex login: root
Password:
Last login: Mon Apr 8 04:36:16 on tty1
[root@olex ~]# sh install-olex

Olex autoinstaller starting
=====
If you are experiencing issues with this installer please ensure the following:
Your USB drive is plugged into the machine.
There is only one USB drive plugged into the machine.
Only one Olex iso file exists on your USB drive.
The Olex iso file is on the top level of your USB drive
=====

[ 192.608411] sd 3:0:0:0: [sdb] Attached SCSI removable disk

Install Olex version olex11.6 ? [Y/n] y

Olex 11.6
Sjekker mediet for feil...
```

# Installing Scientific Linux 7.6 for Olex

- The terminal will let us know if the installation was successful.
- Run command: `reboot` to restart the system.

```
Install Olex version olex11.6 ? [Y/n] y
Olex 11.6

Sjekker mediet for feil... Ok
Generating new xorg.conf through Xorg -configure
Doktorerer /usr/share/X11/fonts/75dpi/fonts.alias
Doktorerer /etc/X11/xorg.conf - XaaNoOffscreenPixmap
Doktorerer /etc/X11/xorg.conf - RenderColorMapMode
Doktorerer /etc/X11/xorg.conf - DefaultDepth 8
Generating grub configuration file ...
Found background: /etc/default/olex_splash12.png
Found linux image: /boot/vmlinuz-3.10.0-957.el7.x86_64
Found initrd image: /boot/initramfs-3.10.0-957.el7.x86_64.img
Found linux image: /boot/vmlinuz-0-rescue-56dc7aa1793b43b8bba2972eef82b377
Found initrd image: /boot/initramfs-0-rescue-56dc7aa1793b43b8bba2972eef82b377.img
done
Doktorerer /etc/rc.d/rc.local
Doktorerer /etc/passwd
Doktorerer /etc/group
Doktorerer /etc/inittab
Doktorerer /etc/rc.d/rc4.d
Lager /mnt/cdrom
Doktorerer /etc/fstab - /dev/cdrom -> /mnt/cdrom
Doktorerer /etc/fstab - /home/olex/olexkop1
Doktorerer /etc/sysconfig/network-scripts/ifcfg-eth0 - ES60 network config
Doktorerer /etc/sysconfig/network-scripts/ifcfg-eth0:1 - Wassp network config
Doktorerer /etc/selinux/config
Lager /etc/localtime
Lager /zip
Lager /home/olex
Lager /home/olex/Skipsnavn
Lager /home/olex/sprak.valgt
Lager Ruter-preupgrade
Lager Dødbler
Lager Strøm
Installerer nye kart
Installerer nye programmer
Doktorerer dnsc86
Doktorerer GeoNames
Doktorerer pixmap
Doktorerer kartinfo
Lager cm93serialno
demoGRIB
Kjellykjet installasjon
[root@olex ~]#
```

# Installing Scientific Linux 7.6 for Olex

- The system will reboot to this screen where you can plug in a USB drive and create an id file. Send the id file to [olex@olex.no](mailto:olex@olex.no) along with basic software and modules wanted. We can then create a software key for the system.

