

# Scientific Linux 6 and Olex, automatic installation.

## Installation of a new system

### 1.

Connect the bootable auto-install USB stick, and start the computer

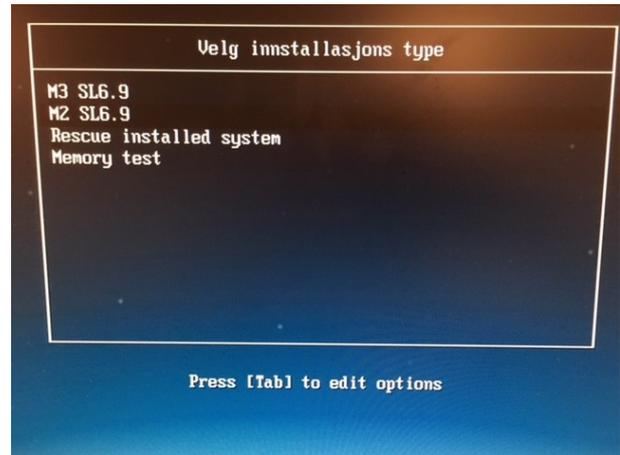
At start-up, go to BIOS and set the USB-stick as primary boot device

Choose installation type.

For Olex M1 and M2, choose “M2 SL6.9”

For Olex M3 and any other hardware, choose “M3 SL6.9”

**[Enter]**

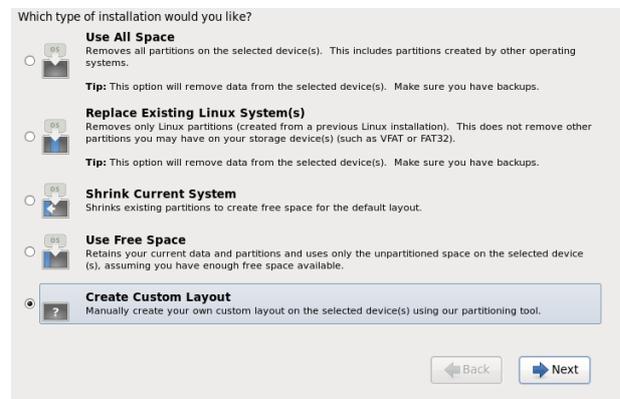


### 2.

#### Disk partitioning

Choose “Create custom Layout”

**[Next]**



### 3.

If the disk contains a previous installation, then delete the partitions one by one, by highlighting each partition and clicking [Delete] until only Free Space remains.

**On the screenshot to the right, partition sda1 represents the installation media (USB-stick) which should not be deleted.**

Device	Size (MB)	Mount Point/ RAID/Volume	Type	Format
▼ Hard Drives				
▼ sda (/dev/sda)				
sda1	7899		EFI System Partition	
▼ sdb (/dev/sdb)				
sdb1	92500		ext4	
sdb3	117555		ext4	

4.

### Create the root-partition

Click [Create] -> [Create]

Mount point: /

File system type: **ext4**

Size: **2500**

Additional Size Options:

**[\*] Fixed size**

**[OK]**

**Add Partition**

Mount Point: /

File System Type: ext4

Drive	Size	Model	
<input checked="" type="checkbox"/>	sdb	953870 MB	ATA TOSHIBA MQ01ABD1

Allowable Drives:

Size (MB): 2500

Additional Size Options

Fixed size

Fill all space up to (MB): 1

Fill to maximum allowable size

Force to be a primary partition

Encrypt

Cancel OK

5.

### Create the swap partition

Click [Create] -> [Create]

Mount point: **Do nothing!**

File system type: **swap**

Size: **2048**

Additional Size Options:

**[\*] Fixed size**

**[OK]**

**Add Partition**

Mount Point: <Not Applicable>

File System Type: swap

Drive	Size	Model	
<input checked="" type="checkbox"/>	sdb	953870 MB	ATA TOSHIBA MQ01ABD1

Allowable Drives:

Size (MB): 2048

Additional Size Options

Fixed size

Fill all space up to (MB): 1

Fill to maximum allowable size

Force to be a primary partition

Encrypt

Cancel OK

6.

### Create the home-partition

Click [Create] -> [Create]

Mount point: **/home**

File system type: **ext4**

Size: **Do nothing!**

Additional Size Options:

**[\*] Fill to maximum allowable drive**

**[OK]**

**Edit Partition: /dev/sdb3**

Mount Point: /home

File System Type: ext4

Drive	Size	Model	
<input checked="" type="checkbox"/>	sdb	953870 MB	ATA TOSHIBA MQ01ABD1

Allowable Drives:

Size (MB): 200

Additional Size Options

Fixed size

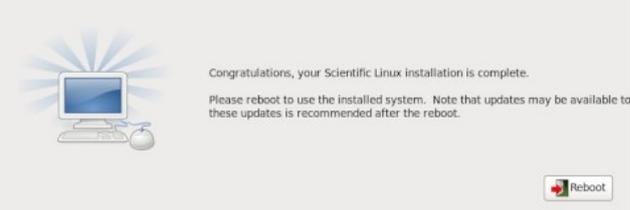
Fill all space up to (MB): 1

Fill to maximum allowable size

Force to be a primary partition

Encrypt

Cancel OK

<p><b>7.</b></p> <p>There should now be three partitions on the hard drive in addition to the USB installation drive.</p> <p>All three partitions on the hard drive should be marked for formatting</p> <p><b>[Next]</b></p>	<table border="1"> <thead> <tr> <th>Device</th> <th>Size (MB)</th> <th>Mount Point/ RAID/Volume</th> <th>Type</th> <th>Format</th> </tr> </thead> <tbody> <tr> <td colspan="5">Hard Drives</td> </tr> <tr> <td colspan="5">sda (/dev/sda)</td> </tr> <tr> <td>sda1</td> <td>7899</td> <td></td> <td>EFI System Partition</td> <td></td> </tr> <tr> <td colspan="5">sdb (/dev/sdb)</td> </tr> <tr> <td>sdb1</td> <td>2500</td> <td>/</td> <td>ext4</td> <td>✓</td> </tr> <tr> <td>sdb2</td> <td>2048</td> <td></td> <td>swap</td> <td>✓</td> </tr> <tr> <td>sdb3</td> <td>117555</td> <td>/home</td> <td>ext4</td> <td>✓</td> </tr> </tbody> </table>	Device	Size (MB)	Mount Point/ RAID/Volume	Type	Format	Hard Drives					sda (/dev/sda)					sda1	7899		EFI System Partition		sdb (/dev/sdb)					sdb1	2500	/	ext4	✓	sdb2	2048		swap	✓	sdb3	117555	/home	ext4	✓
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<p>After the installation is finished</p> <p><b>[Reboot]</b></p> <p><b>Remove the USB stick before the computer re starts</b></p>	 <p>Congratulations, your Scientific Linux installation is complete.</p> <p>Please reboot to use the installed system. Note that updates may be available to these updates is recommended after the reboot.</p> <p>Reboot</p>																																								

After reboot command prompt will appear on a black screen.

Now it is time to install the Olex software.

Download the iso-file with the latest Olex version from [www.olex.no](http://www.olex.no), and save to a USB stick.

login: root

password: fiskebat

Insert an USB drive with the latest Olex ISO.

Run command: `sh install-olex`

You will be prompted to confirm installation. Press `y` and enter to confirm.

Type `reboot` and hit enter to restart the system.

After reboot an unauthenticated Olex screen will appear. A software key is needed to unlock the system. Connect a USB stick, choose “Write to” and save the “Hardware id”.

Attach the “id” to your email when you are ordering the key-file to unlock the Olex.