

October 1 2021

Install CentOS 8.3 and Olex

Enter the computers BIOS setup and make the following changes (if applicable):

- Disable secure boot.
- Turn off RAID and set SATA operation to AHCI.
- Disable any redundant network hardware
- Make the CentOS USB stick First Boot Device - select UEFI boot if available

Save and exit BIOS.

Choose "Install CentOS Linux 8.3 for Olex ... "



Keyboard configuration		CENTOS LINUX 8 INSTALLATION
Under "Localization", choose "Keyboard"	LOCALIZATION SOFTWARE SUSTER Imaging Explored Imaging Support Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Imaging Underd States Im	EM Installation Destination Kotatar mufficient KDUMP Ramp is embed Mot connected Security Policy No content found Cuit Begin Installation We won't touch your disks until you click Begin Installation.
To remove the default keyboard layout, Click to highlight it, and then click on the minus sign [-]. A new list of layouts appear - choose the required layout. "Done"	KEYBOARD LAYOUT Dore Which keyboard layouts would you like to use on this system? You may move any layout to the top of the list to select it as English (US) + - + - - - - -	CENTOS LINUX 8 INSTALLATION s the default. Layout switching not configured. Options

"Installation Destination"	🕀 CentOS	INSTALLATION SUMMARY			CENTOS LINUX 8 INSTALLATION
		Loc		SOFTWARE	SYSTEM Second Se
"Storage Configuration" -> "Custom"	Done 2	TINATION			CENTOS LINUX 8 INSTALLATION
"Done"	Device Selection Select the device(s) y Local Standard Disks	vou'd like to install to. They wil	ll be left untouched until	you click on the main menu's "	Begin Installation" button.
	BC511 NVMe SK hy Specialized & Network I Add a disk Storage Configurati	ynix 256GB me.1c5c-4359304 nvm Disks	424e3034313931313330 neOn1	238.47 GIB	64d65205.8203235364742-00000001 .3 MiB free Disks left unselected here will not be touched. Disks left unselected here will not be touched.
	Automatic Full disk summary and boot	t <u>loader</u> e configuration. <u>Click for details</u>			1 disk selected; 238.47 GiB capacity; 1.3 MiB free Refresh

Any existing partitions has to be removed in order to free space for the new installation. Click on the name of any existing installations to see and remove partitions.	MANUAL PARTITIONING Date Image: Constant and the second s	nvmeOn1p3 Mount Point: Desired Capacity: 10 G/B Device Type: Standard Partition	Device(c): BC311 NVMe SK Mpik 2566B me. 156:-435394(4:a)3431331313130424;a) 336:4243353131204564d5520534b20807 96:697820323546742-00000001 (mme0n1) Modfy Variable Statistics of the main menu? Begin Installation button. Note: The settings you make on this screen will not be applied until you click on the main menu? Begin Installation button.
Remove any existing partitions by clicking on each of them.	MANUAL PARTITIONING Done		CENTOS LINUX 8 INSTALLATION
Then click on the minus sign [-] and confirm. Note! The file system "Iso 9660" represent the installation media, and can not be removed	• New CentOS Linux 8 Installation You haven't created any mount points for your CentOS Linux 8 Installation yet. You can: • Click here to create them automatically. • Create new mount points by clicking the '+ button. • Or any new mount points to existing partitioning scheme: Standard Partition • CentOS Linux 8.3.2011 for x86_64 DATA / memory for the standard partition after selecting them below. DATA / memory for x86_64 DATA / wordstaga 10 GiB > / boot/effi memory for x86_60 29.79 GiB + - c You was served 1.3 MiB 1 storage device selected	nvmeOn1p3 Mount Point: Desired Capacity: 10 GIB Device Type: Standard Partition Encrypt File System: ext4 Reformat Label:	Device(p): EG511, NVH6 KK Mpix 256GB me. 13c-459390744a30343199113130474c3 96-607820323536474-00000001 (mmo0n1) Modify Note: The settings you make on this screen will not be applied until you click on the main menu's Begin Installation button.

Choose partitioning scheme from the drop-down menu:	MANUAL PARTITIONING Done		CENTOS LINUX 8 INSTALLATION
"Standard Partition"	Vew CentOS Linux 8 Installation You haven't created any mount points for your CentOS Linux 8 Installation yet. You can: Click here to create them automatically. Create new mount points by clicking the '4' button. or, assign new mount points to existing partitions after selecting them below. New mount points will use the following partitioning scheme: Standard Partition	nvme0n1p3 Mount Point: Desired Capacity: 10 GiB Device Type: Standard Partition Encrypt File System: ext4 Reformat	Device(s): BC511 NVMe SK hynix 2566B me. 15C- 435330474e303431333131310424c3 336-4743353131204e564d6520534b20687 966e57820223544742-00000001 (rvme0n1) Modfy_
	+ - C AVALABLE SPACE 1.3 MID 1 storage device selected	Labet:	Name: mme0n1p3 Update Settings Note: The settings year make on this screen will not be applied until you click on the main menu: Begin Installation button. Reset All

Create new partitions by	v clicking [+]		MANUAL PARTITIONING Done			CENTOS LINUX 8 INSTALLATION
The following partitions	are required:		New CentOS Linux 8 Installation DATA (house)		nvme0n1p4 Mount Point:	Device(s):
Mount point :	Size:	File System:	/nome metholp4 SYSTEM /boot/efi metholp1	226.66 GiB >	/home Desired Capacity: 226.66 GiB	BC511 NVMe SK hynix 2566B me. 1c5c-435930424e3034313931313330424c3 638-424353131204566456520534b20687 96e5978203235364742-00000001 (mme0n1) Modify
1	10000	ext4	rvme0n1p2 SWap nvme0n1p3	9.77 GIB 2 GiB	Device Type:	
/boot/efi (or biosboot)	1	Leave as is	✓ Unknown iso9660 sda	29.79 GiB	Standard Partition File System:	ot
swap	2048	Leave as is			Label:	Name:
/home	Leave empty	ext4				nvme0n1p4
"Done" - A new window	appears "Summary	y of Changes"	+ - 0			Update Settings Note: The settings you make on this screen will not be applied until you click on the main menu's Begin Installation botton.
"Accept changes"			AVAILABLE SPACE 1.3 MIB 1 storage device selected			Resot All
"Begin Installation"				MARY		CENTOS LINUX 8 INSTALLATION
				LOCALIZATION	SOFTWARE	SYSTEM
				Keyboard Norwegian Nynorsk; Nynorsk, Norn (Norwegian)	Installation Source Local media	Custom partitioning selected
				English (United States)	Software Selection	KDUMP Kdump is enabled
				O Time & Date Americas/New York timezone		Not connected
				USER SETTINGS		Security Policy No content found
				Cor Root Password Root password is set		
				User Creation No user will be created		
						Oult Begin Installation We work touch your disks until you click. Begin Installation

When the installation is finished: "Reboot"	CENTOS LINUX 8 INSTALLATION PROGRESS CENTOS LINUX 8 INSTALLATION
Remove the USB-stick	Downloading packages
The latest Olex software is available for download from www.olex.no. Copy the iso-file to a USB stick. Connect the USB stick to one of the the computer's USB ports. olex login: root Password: fiskebat (the password will not show while typing) To find the device name of the USB-stick, use the command fdisk -1 The USB stick are usually a FAT32 file system standing by it self with a name like "/dev/sda1" or "/dev/sdb1". In the description below /devsdb1 is used as an example of device name and olex14.10.iso as an example of the latest Olex-version.	<pre>Iroot@olex ~1# fdisk -1 Disk /dew/sda: 238.5 GiB, 256060514304 bytes, 500118192 sectors Units: sectors of 1 * 512 = 512 bytes Sector size (logical/physical): 512 bytes / 512 bytes I/O size (minimum/optimal): 512 bytes / 512 bytes Disklabel type: gpt Disk identifier: FB6CFAD9-C979-4230-9589-6743639456AF Device Start End Sectors Size Type /dew/sda1 2048 104447 102400 50M EFI System /dew/sda1 2048 104448 475443199 475338752 226.76 Linux filesystem /dew/sda3 475443200 495923199 20408000 9.06 Linux filesystem /dew/sda4 495923200 500117503 4194304 26 Linux swap Disk /dew/sdb: 14.7 GiB, 15720640000 bytes, 30720000 sectors Units: sectors of 1 * 512 = 512 bytes Sector size (logical/physical): 512 bytes / 512 bytes I/O size (minimum/optimal): 512 bytes / 512 bytes Disklabel type: dos Disk identifier: 0x19766aae Device Boot Start End Sectors Size Id Type /dew/sdb1 2048 30719999 30717952 14.76 c U95 FAT32 (LBA) </pre>

mount /dev/sdb1 /media

mkdir /iso

ls /media

The above will show the name of the Olex version on the USB stick, which is the file to be mounted in the next step.

mount /media/olex14.10.iso /iso

Disregard the warning about device being write-protected.

/iso/installer

Installing...

Successful installation!

reboot

