

Installation guide CentOS

At my workplace I'm managing a course for apprentices inside the organization. As we are working in the IT Security we are presenting how the work is done in several teams.

Splunk is an well known application and is needed everyday. Splunk is logging everything what happens in the network. In my course for the event we are playing a CTF with Splunk.

Preparation and Information

CTF Scoreboard:

https://github.com/splunk/SA-ctf_scoreboard

Splunk Dataset:

<https://github.com/splunk/botsv1>

Splunk installation:

<https://docs.splunk.com/Documentation/Splunk/7.0.3/Installation/InstallonLinux>

Splunk Download:

https://www.splunk.com/de_de/download/splunk-enterprise.html

CentOS Download:

<https://www.centos.org/download/>

Setting up VM

First download the CentOS 8 iso file so we can start setup a VM.

http://mirror.init7.net/centos/8.4.2105/isos/x86_64/CentOS-8.4.2105-x86_64-dvd1.iso

As soon you downloaded the iso we can start with VirtualBox.

Name und Betriebssystem

Bitte wählen Sie einen angemessenen Namen und Speicherort für die neue virtuelle Maschine. Dann wählen Sie den Typ des Betriebssystems, das Sie installieren möchten. Der gewählte Name wird zur Identifizierung dieser Maschine verwendet.

Name:

Ordner der virtuellen Maschine:

Typ:

Version:



Set the RAM to ca. 4GB:

Speichergöße

Wählen Sie die Größe des Hauptspeichers (RAM) der virtuellen Maschine in Megabyte.

Die empfohlene Größe beträgt **1024 MB**.

4096 MB

4 MB 32768 MB

Create a dynamic VDI Disk with ca. 20-25 GB:

Dateiname und Größe

Bitte geben Sie den Namen der neuen Festplatte an oder wählen Sie das Ordner-Icon, um einen anderen Ordner für die Datei zu wählen.



Wählen Sie die Größe der virtuellen Festplatte in Megabyte. Dies ist die maximal nutzbare Größe der virtuellen Festplatte.

23.47 GB

4.00 MB 2.00 TB

Now the VM is ready to start but we need to specify some settings.

First we set the clipboard to bidirectional mode:

Allgemein

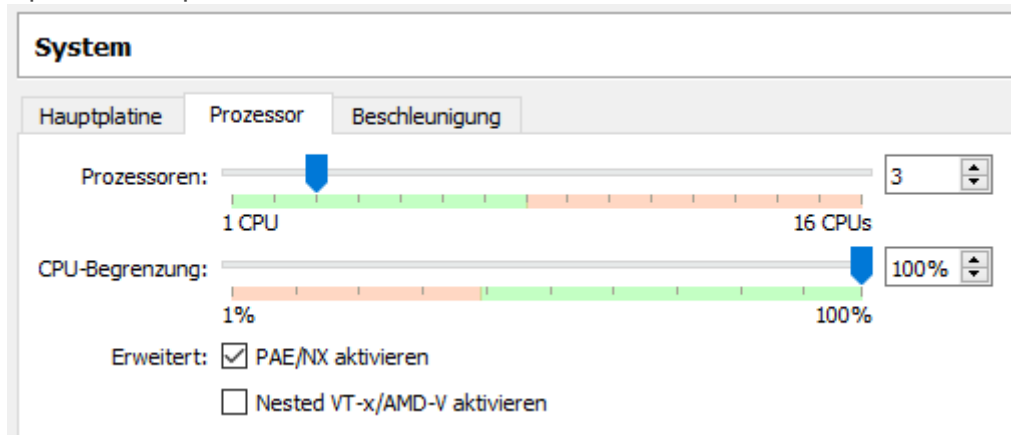
Basis | Erweitert | Beschreibung | Festplattenverschlüsselung

Ordner Sicherungspunkte:

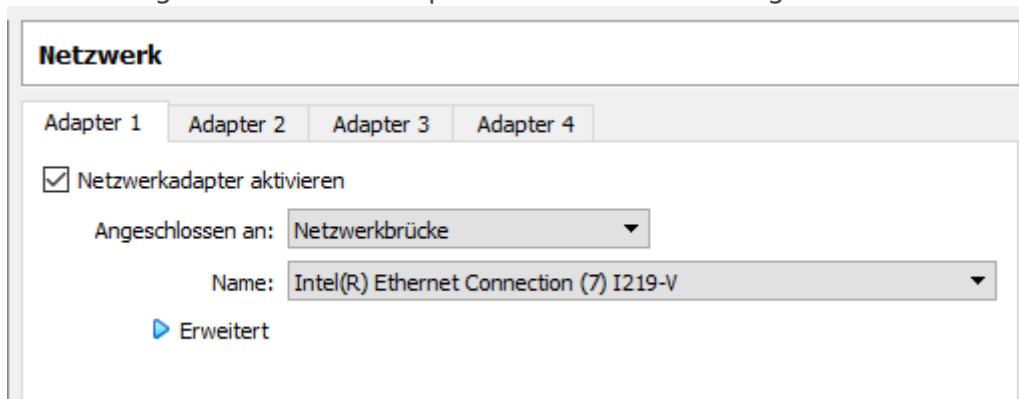
Gemeinsame Zwischenablage:

Drag'n'Drop:

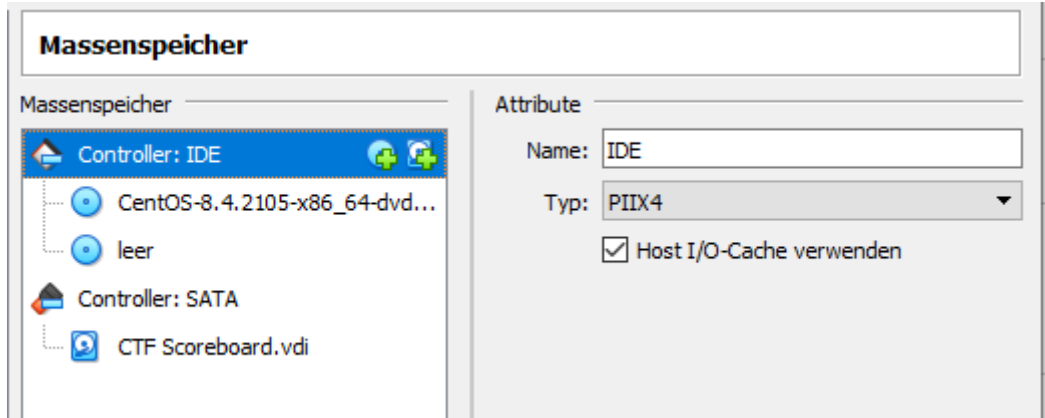
Upscale the processor to minimum 2 cores:



Then change the network adapter to the Network bridge:



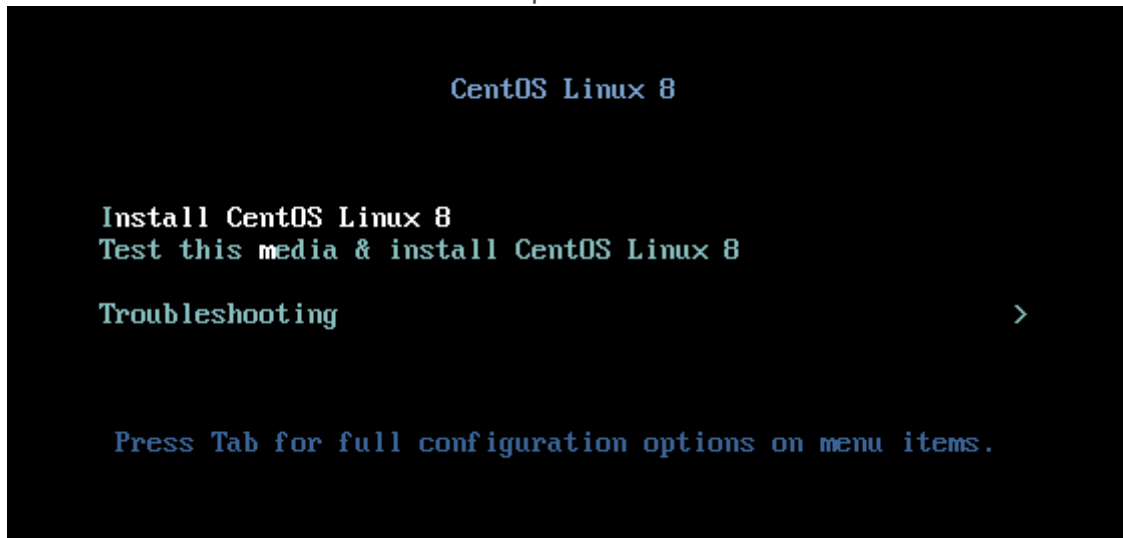
And finally add the ISO File to the storage:



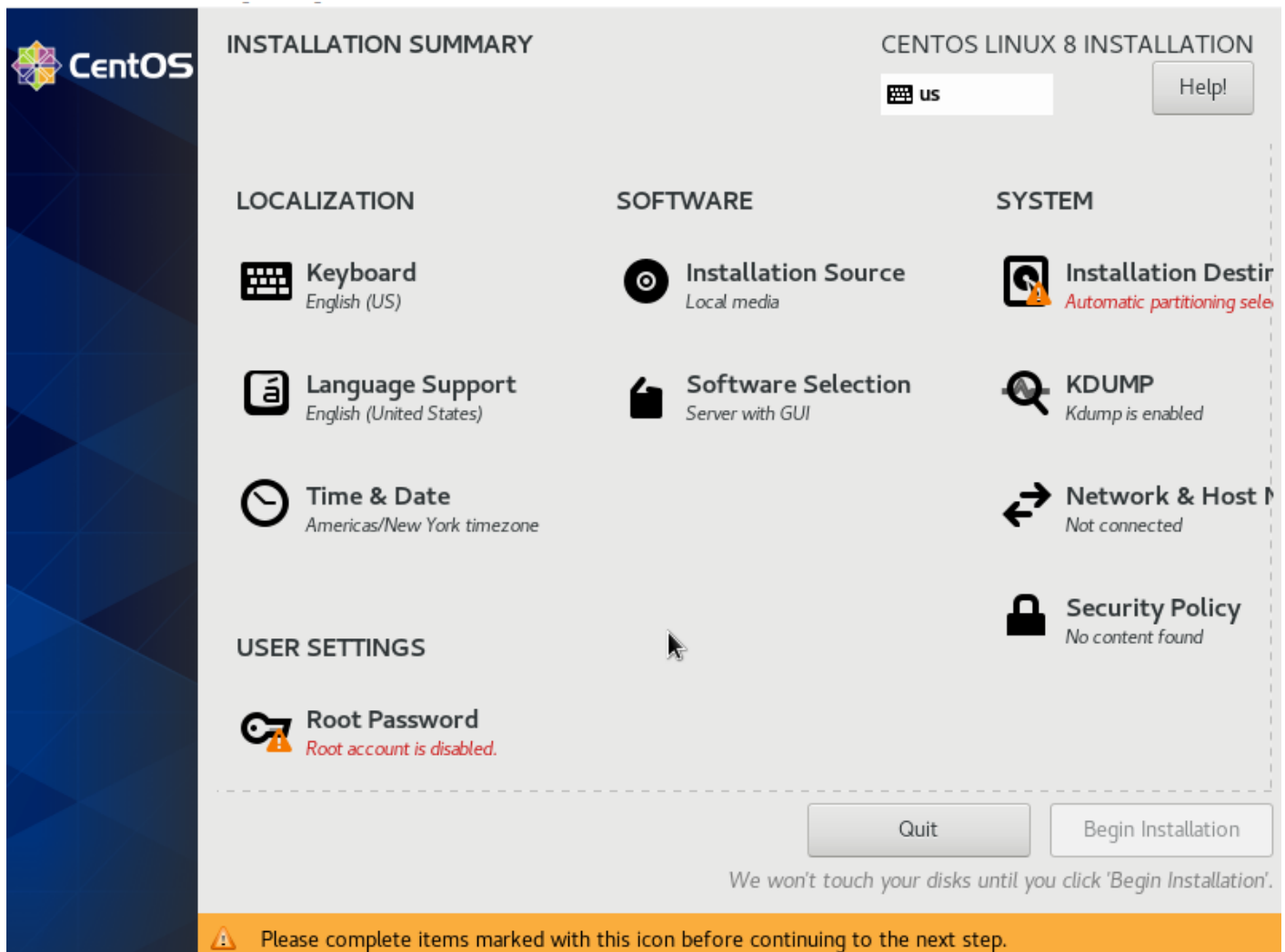
Now we can start the machine and configure the setup.

Setting up Operating System

After the VM started we choose the option "Install CentOS Linux 8"



First we land on a page where we need to specify some settings before we can go for the actual setup:

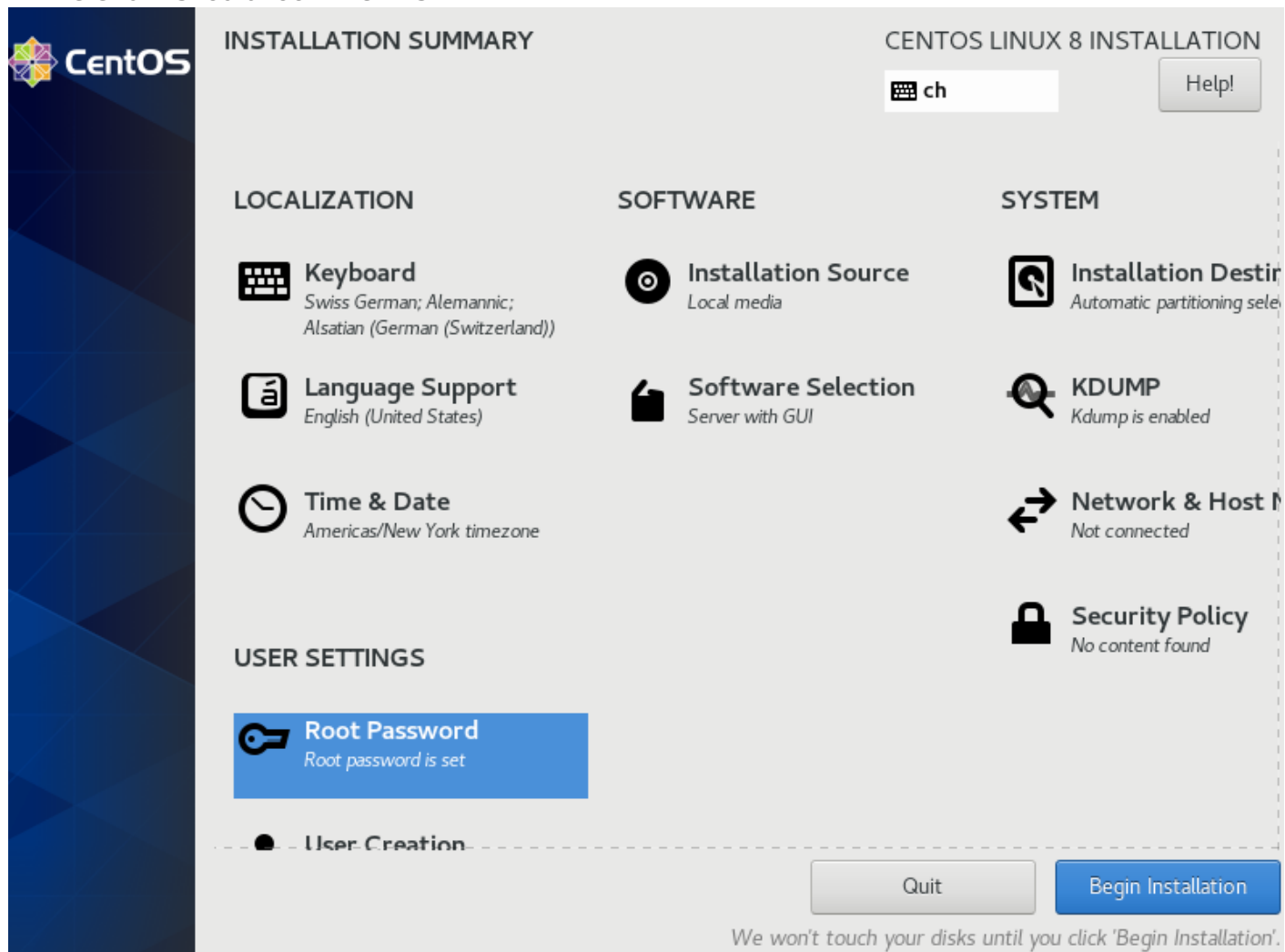


Set the Keyboard to Swissgerman.

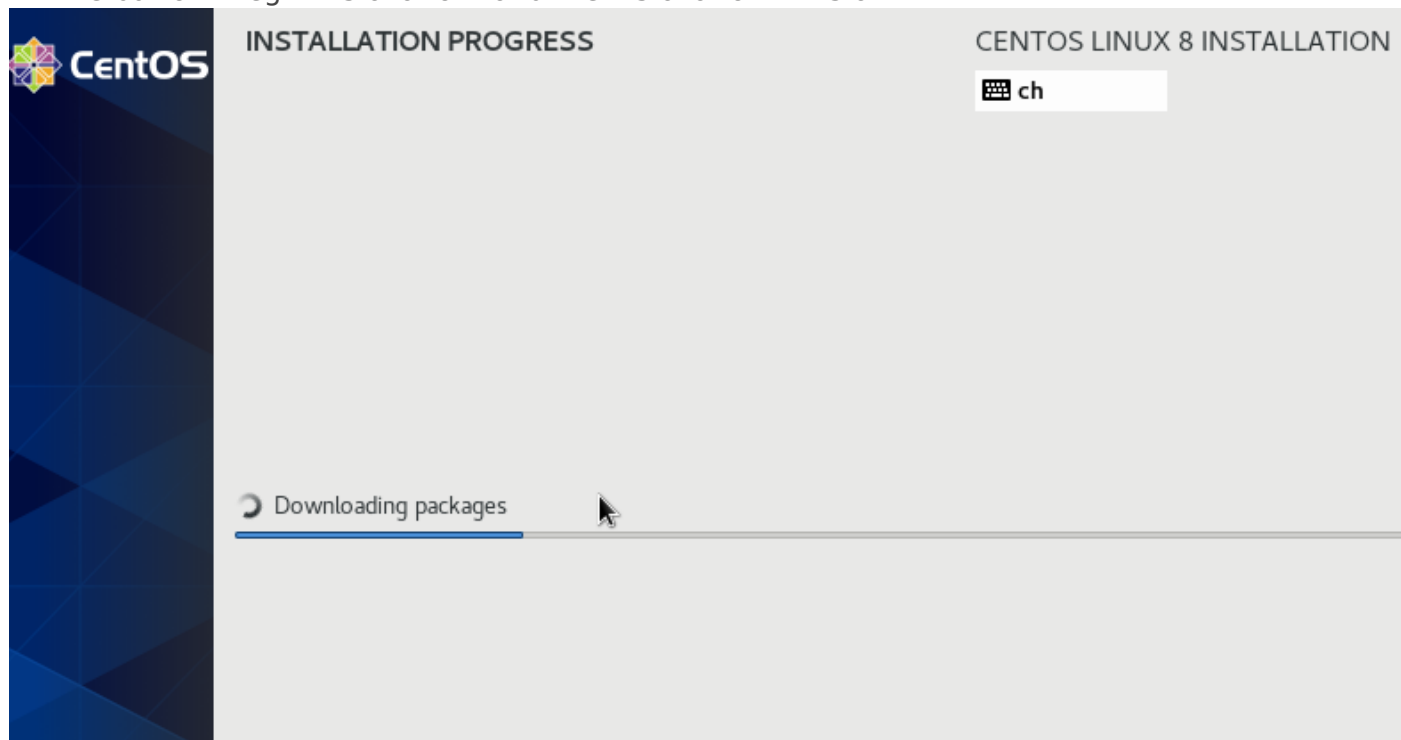
Change the root password.

Define the partition to install the OS. Usually I choose automatic and use the whole disk.

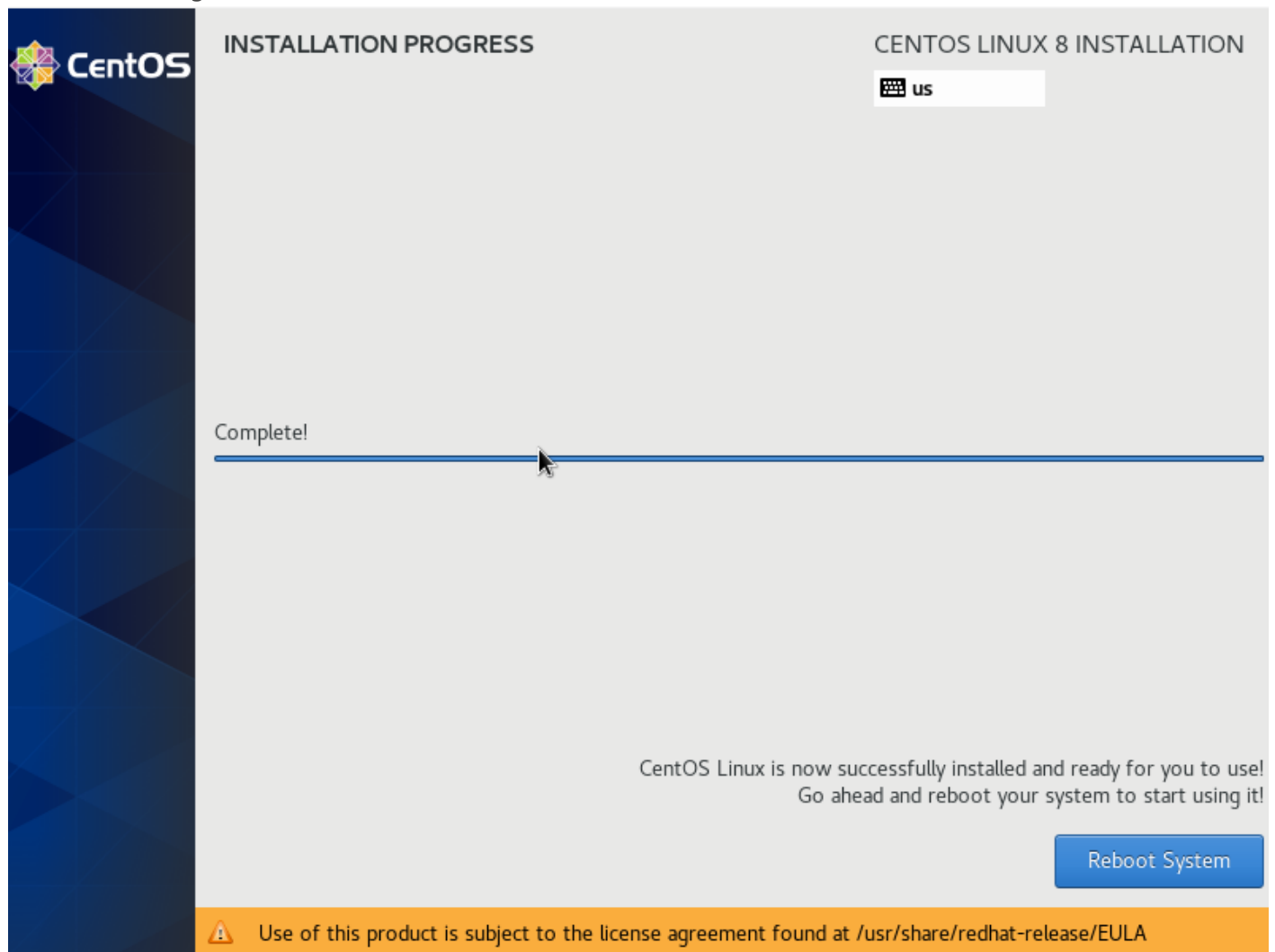
At the end it should look like this:



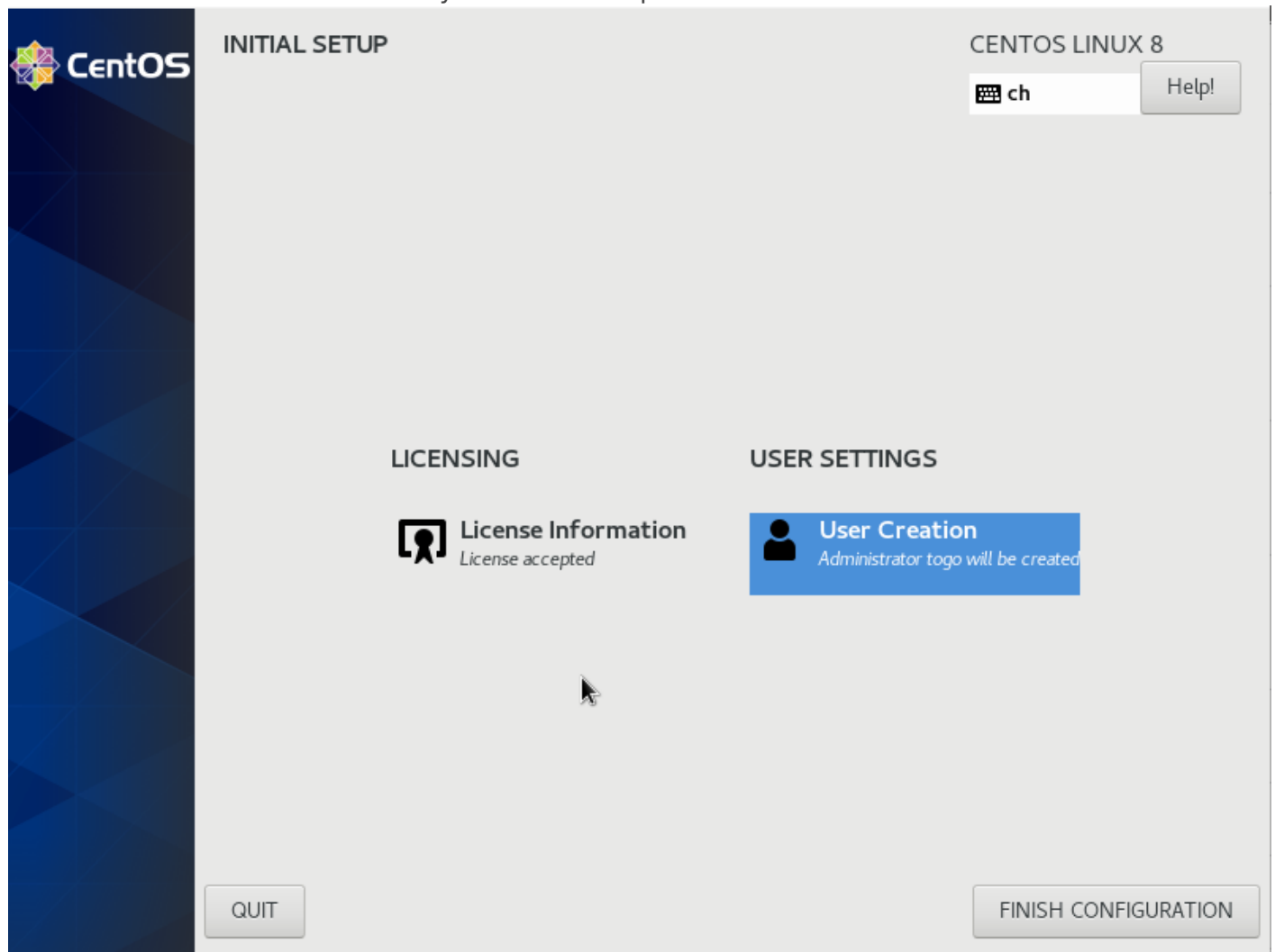
Hit the button "Begin Installation" and the installation will start:



Once the installation is complete we need to perform a reboot. IMPORTANT: Remove the ISO file from the storage.

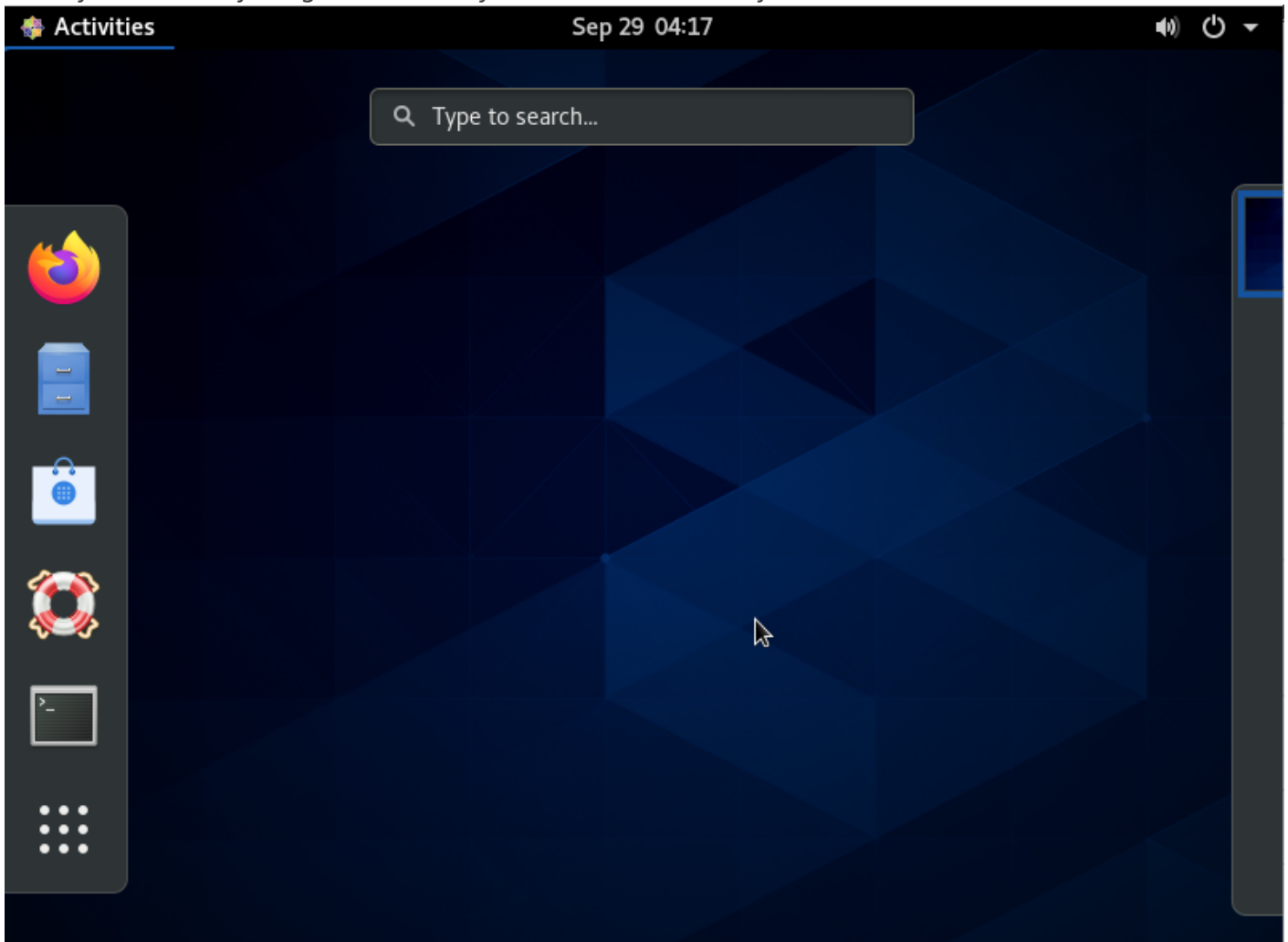


Once rebooted set a user on the system and accept the EULA disclaimer:



Click on "Finish Configuration" and login with you recent created user account. Once you are logged in you are getting asked to define your system language, keyboard and some privacy settings.

After you set everything we are ready to use the CentOS system:



Don't forget to turn on the Internet on top right corner by selecting "Choose wired".

Revision #6

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