Centos 7 Installation

05/08/2022 07:28 Author by Najoe
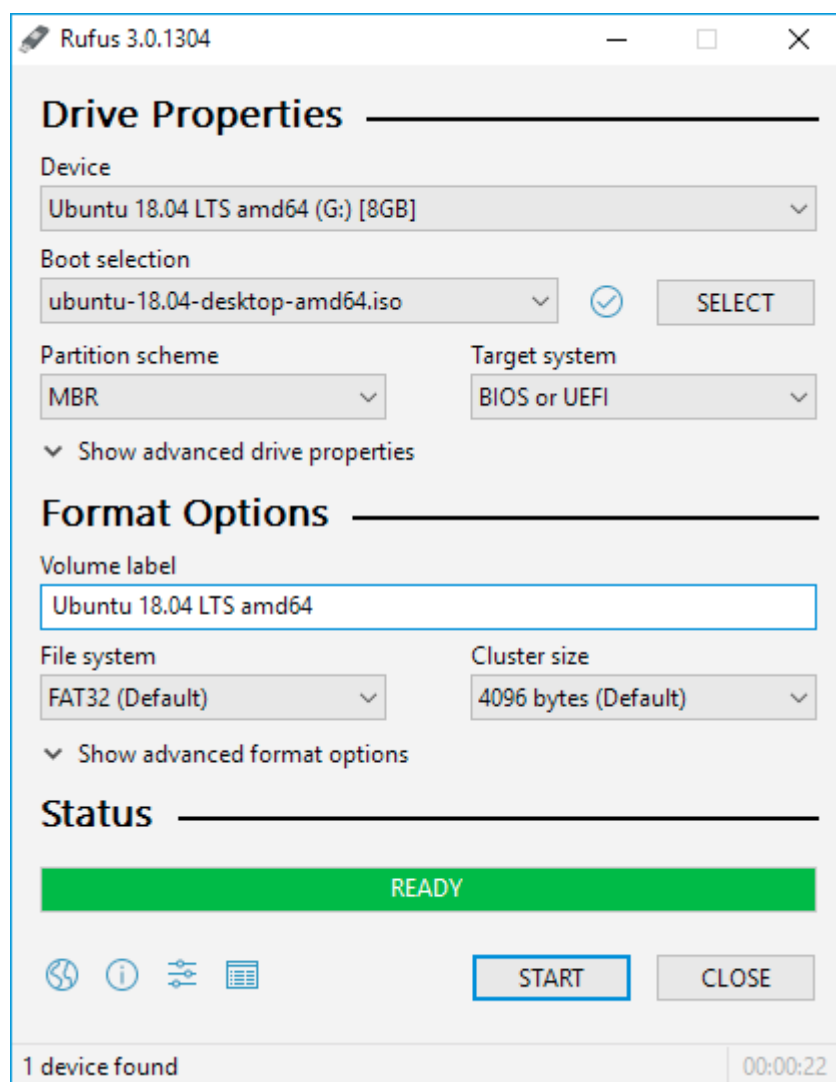
Create a bootable Pendrive for Centos

1. Download Link

http://repo.shinjiru.com/centos/7.9.2009/isos/x86_64/CentOS-7-x86_64-Everything-2009.iso
https://github.com/pbatard/rufus/releases/download/v3.20/rufus-3.20.exe

2. Run Rufus

- On interface
  Go to Device section. Select the pendrive.
  In boot section, Import the downloaded image of CentOS-7x86_64-Everything-2009.iso and Press START.

Notes: Don't worry about the other detail. You can proceed and wait until it is successfully or done.

3. Boot the CentOS ISO File

Upon booting the CentOS 7 ISO file, you can begin the installation process. To do so, select Install CentOS 7. That will start the installer's graphical interface.

If you are booting from a USB, click the Install to Hard Drive icon on the desktop. That will open the installation wizard.
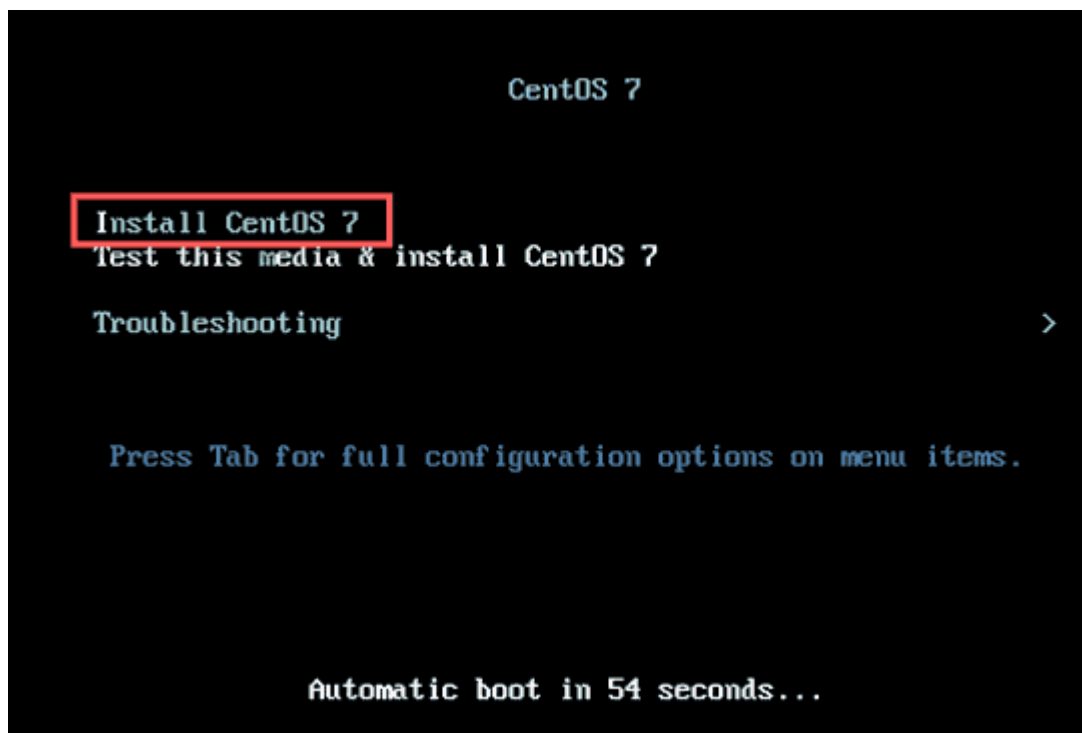
4. Install CentOS

Before starting the installation process itself, select which language you would like to use during installation. The default option is English.
Select the language to be used for the installation process.

Click Continue to confirm your selection.

INSTALLATION SUMMARY

CENTOS 7 INSTALLATION

us   Help!

LOCALIZATION

DATE & TIME
Americas/New York timezone

KEYBOARD
English (US)

LANGUAGE SUPPORT
English (United States)

SOFTWARE

INSTALLATION SOURCE
Local media

SOFTWARE SELECTION
Minimal Install

SYSTEM

INSTALLATION DESTINATION
Automatic partitioning selected

KDUMP
Kdump is enabled

Quit   Begin Installation

We won't touch your disks until you click 'Begin Installation'.

There are a couple of settings you would want to configure. All items marked with a warning icon must be configured before you begin the installation.

System configurations outlined below may differ based on use case.

Set Date and Time

To set a date and time for the system, click the Date & Time icon under the Localization heading. Select a region/time zone on the map of the world as seen below. Once you have selected your time zone, hit Done to save your changes.

Keyboard Layout

Select the Keyboard option under the Localization heading to set the keyboard layout.

The system default is English (US) and the language you selected in the initial window. Click the plus icon to add more layouts. Move a layout to the top of the list to make it the default option.

Click the Options button to define a key combination for switching between keyboard layouts. When you are satisfied with the settings defined, select the Done button to confirm the changes.

System Language

Next, select the Language Support option under the Localization heading. The language selected in the Welcome to CentOS 7 window will be the default system language. If necessary, select additional languages and hit the Done button once you are finished.
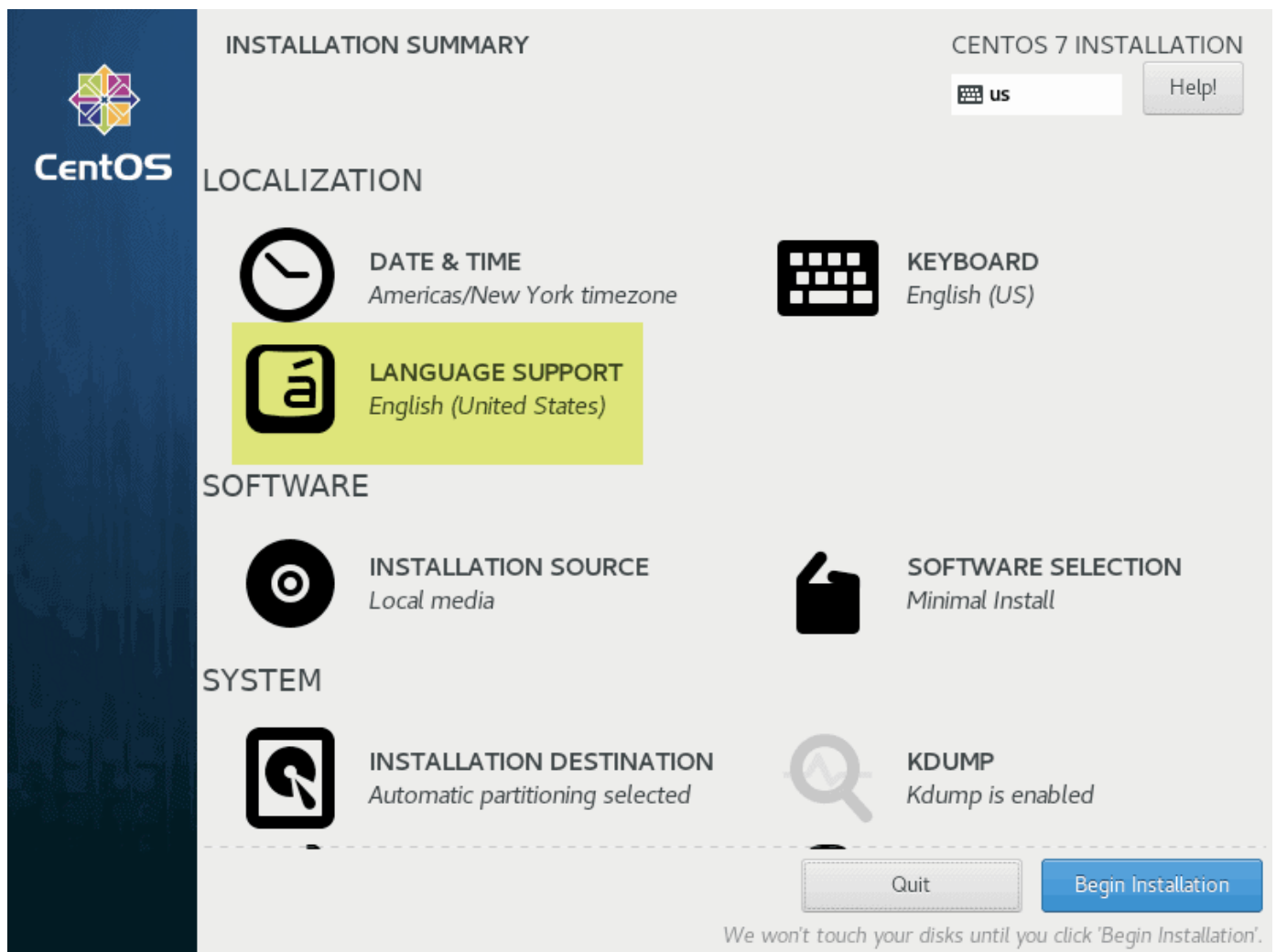
Software Selection

Select the Software Selection option under the Software heading. You will see a list of predefined Base Environment options and optional add-ons. This part entirely depends on your needs.

Minimal Install. (In this training purpose. <---- We choose this)

This is the most flexible and least resource-demanding option. Excellent for production environment servers. Be prepared to customize the environment.

Predefined Server Options.

If you are 100% certain about the role of your server and don't want to customize it for its role, select one of the predefined server environments.

GNOME Desktop and KDE Plasma Workspaces.

These environments include a full graphical user interface.

Click on the Begin installation

Base Environment

- ⦿ **Minimal Install**
  Basic functionality.
- ○ **Compute Node**
  Installation for performing computation and processing.
- ○ **Infrastructure Server**
  Server for operating network infrastructure services.
- ○ **File and Print Server**
  File, print, and storage server for enterprises.
- ○ **Basic Web Server**
  Server for serving static and dynamic internet content.
- ○ **Virtualization Host**
  Minimal virtualization host.
- ○ **Server with GUI**
  Server for operating network infrastructure services, with a GUI.
- ○ **GNOME Desktop**
  GNOME is a highly intuitive and user friendly desktop environment.
- ○ **KDE Plasma Workspaces**
  The KDE Plasma Workspaces, a highly-configurable graphical user interface which includes a panel, desktop, system icons and desktop widgets, and many powerful KDE applications.

Add-Ons for Selected Environment

- ☐ **Debugging Tools**
  Tools for debugging misbehaving applications and diagnosing performance problems.
- ☐ **Compatibility Libraries**
  Compatibility libraries for applications built on previous versions of CentOS Linux.
- ☐ **Development Tools**
  A basic development environment.
- ☐ **Security Tools**
  Security tools for integrity and trust verification.
- ☐ **Smart Card Support**
  Support for using smart card authentication.
- ☐ **System Administration Tools**
  Utilities useful in system administration.

When you have selected the base environment and optional add-ons, click the Done button. Wait for the system to check for software dependencies before you move on to the next option.
Select Installation Destination

Click the Installation Destination option under the System heading. Check your machine's storage under the Local Standard Disks heading. CentOS 7 will be installed on the selected disk.

Partitioning

Option 1: Automatic Partitioning (<----We choose this)

Under the Other Storage Options heading, select the Automatically configure partitioning checkbox. This ensures the selected destination storage disk will automatically partition with the /(root), /home and swap partitions. It will automatically create an LVM logical volume in the XFS file system.

If you do not have enough free space, you can reclaim disk space and instruct the system to delete files.

When finished, click the Done button.

Option 2: Manual Partitioning

Select the I will configure partitioning checkbox and choose Done.

If you want to use other file systems (such as ext4 and vfat) and a non-LVM partitioning scheme, such as btrfs. This will initiate a configuration pop-up where you can set up your partitioning manually.

This is an advanced option that depends on your requirements.

Network and Hostname

Click the Network & Host Name option under the System heading.

For the hostname, type in the fully qualified domain name of your system. In our example, we will set the Hostname will leave as default.
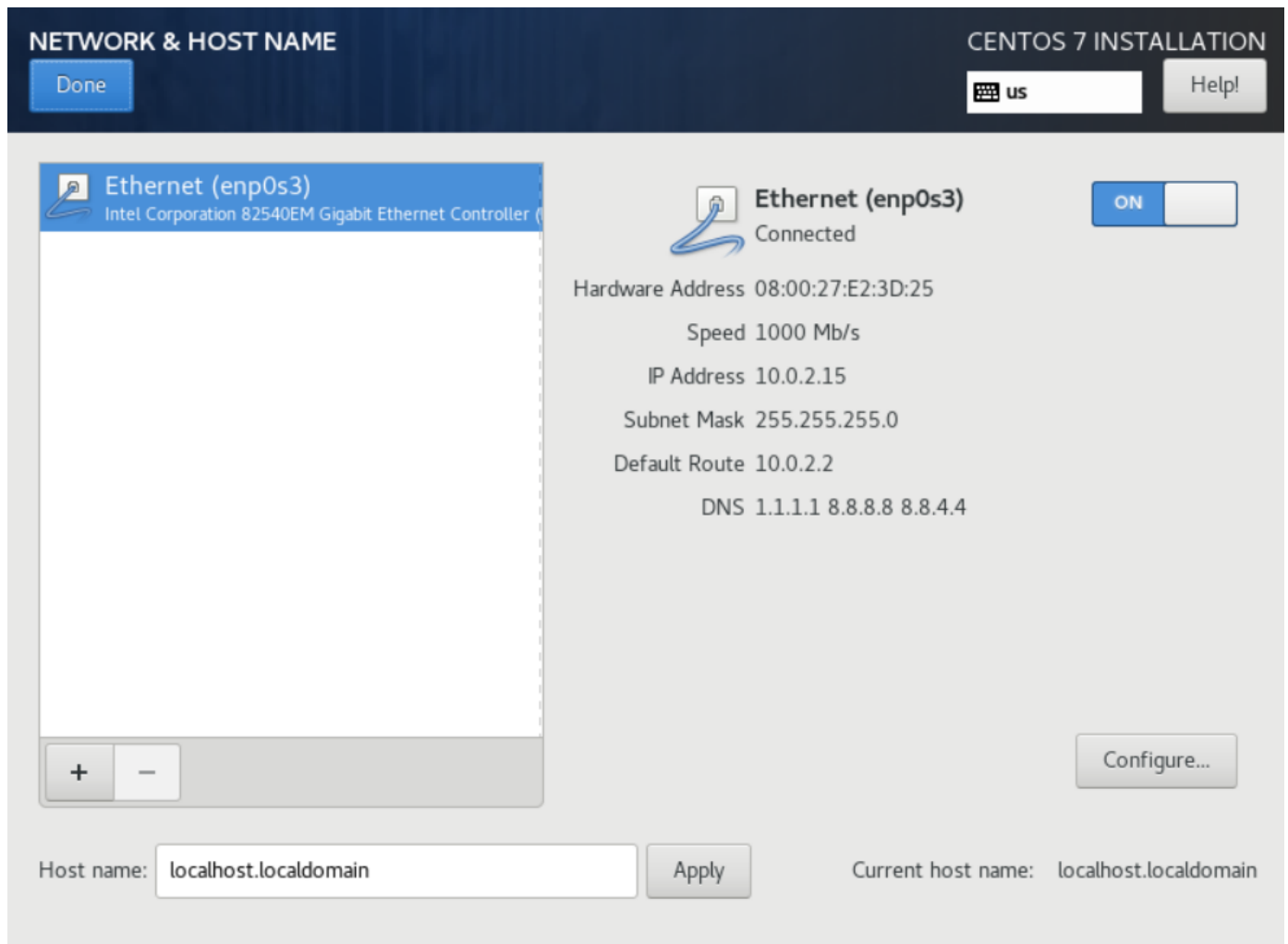
Security Policy

Select the Security Policy option under the System heading. Choose a profile from the list and hit Select profile. Hit the Done button to confirm your selection.

Start the Installation Process

Once everything is set up according to your liking, hit Begin Installation to start the install. This will start the initial installation process.
How to define root user and password.

USER SETTINGS

ROOT PASSWORD
Root password is not set

USER CREATION
No user will be created

Creating lvmpv on /dev/sda2

CentOS Virtualization SIG

rtualization in CentOS, virtualization of CentOS.

xi.centos.org/SpecialInterestGroup

⚠ Please complete items marked with this icon before continuing to the next step.

Full name	user

User name	user

Tip: Keep your user name shorter than 32 characters and do not use spaces.

☑ Make this user administrator

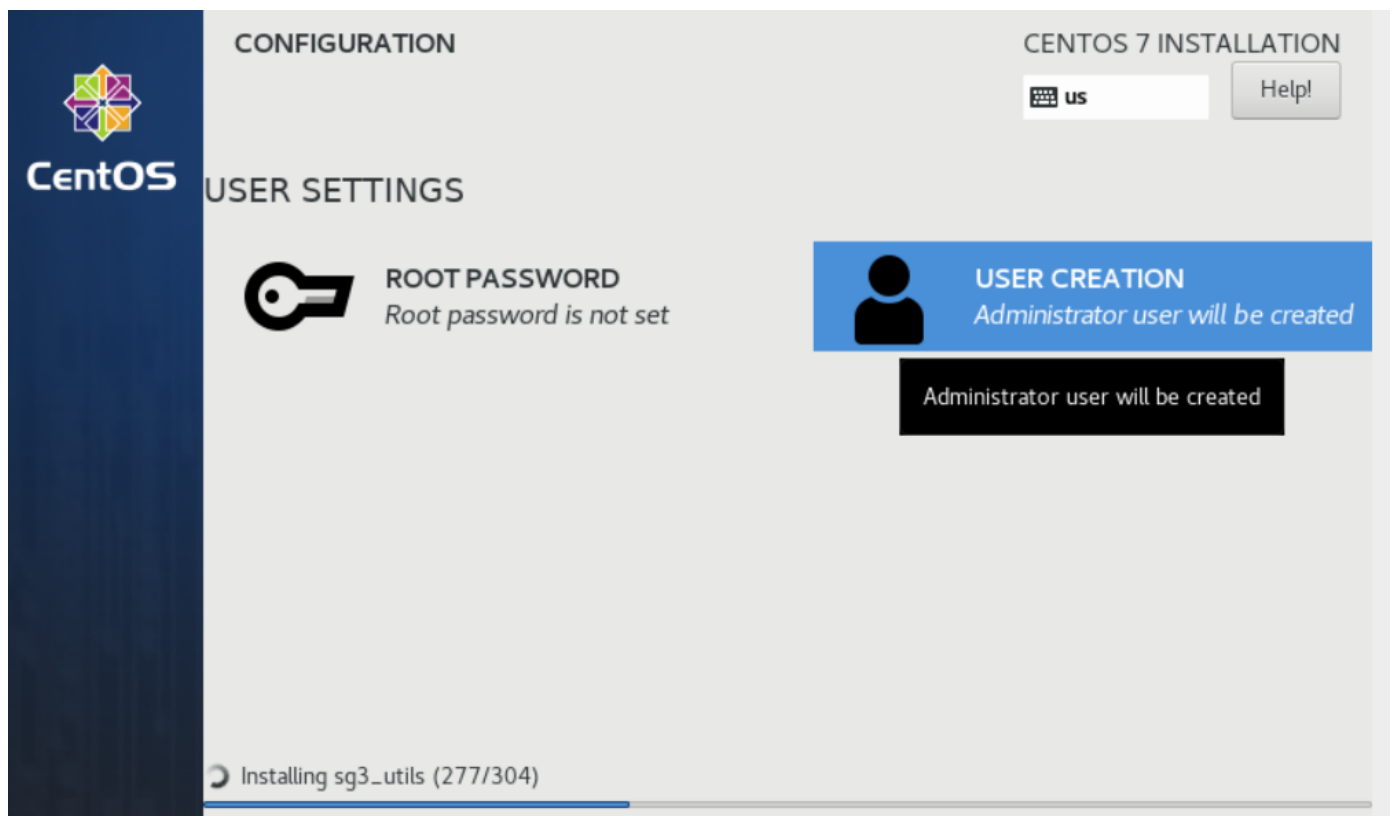☑ Require a password to use this account

Password	••••••••

Strong

Confirm password	••••••••

Advanced...

Define Root Password

To define the root user, select the Root Password icon.

Select a Root Password and re-enter it in Confirm field.

Root user accounts should consist of at least 12 characters, including uppercase and lowercase letters, numbers, and special characters. We cannot stress enough the importance of a well-defined root password.

Click the Done button to proceed.

The root account is used for administering the system. Enter a password for the root user.

Root Password:

Strong

Confirm:

CentOS

USER SETT
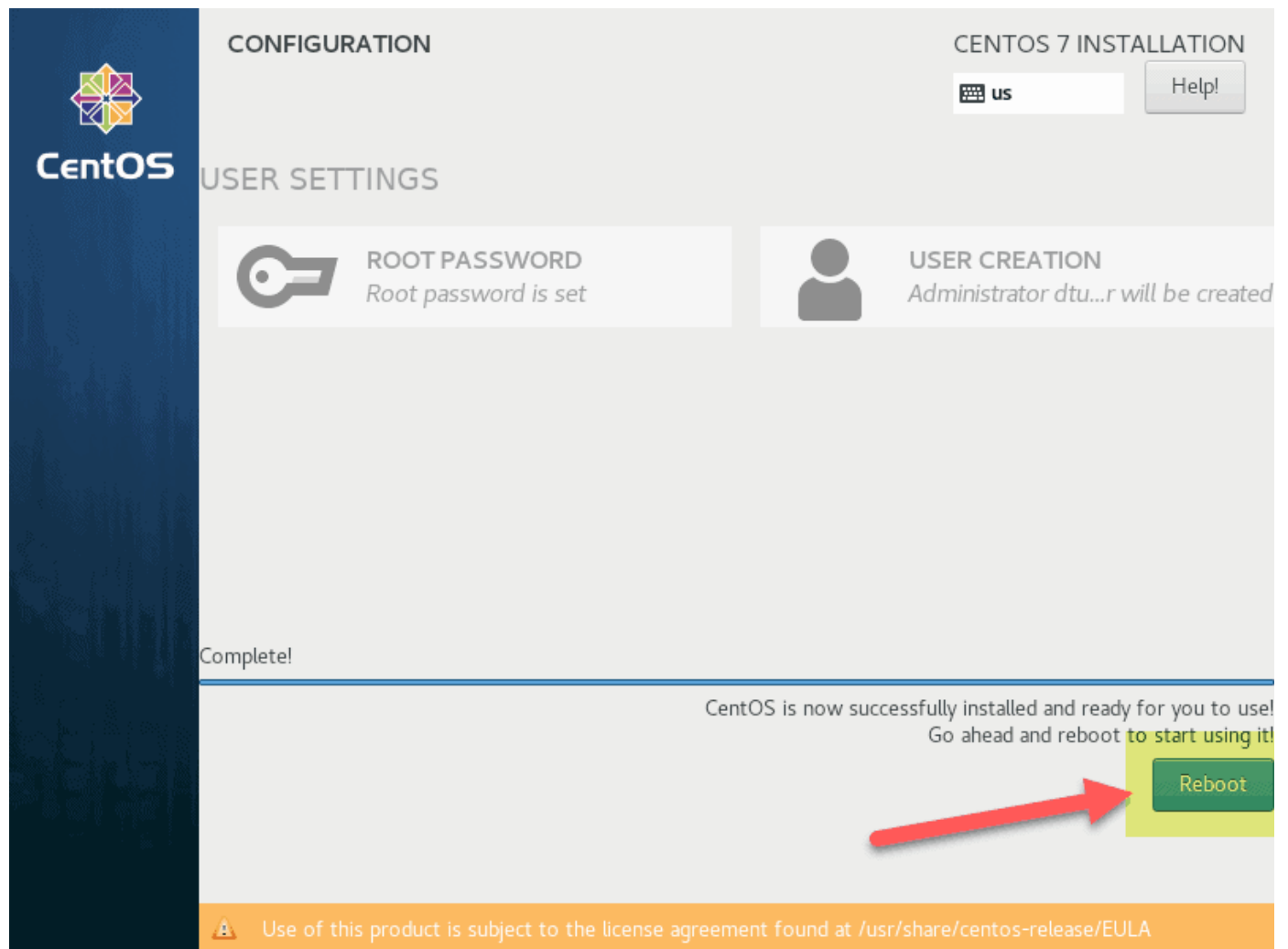
Root password is set

ROOT PASSWORD
Root password is set

USER CREATION
Administrator user will be created

Performing post-installation setup tasks

entOS Virtualization SIG

After you fill in all of the fields and define a secure password, select Done in the upper-left corner of the screen.

Wait for the installation process to complete.

Before you start using your new CentOS installation, reboot the system. Click the Reboot button.

Log into the system by using the credentials you defined previously.