<epam>

# Installation and Basic configuration

TRAINING

CENTER

<epam>

# Agenda:

- CentOS Placement
- CentOS Image
- Basic configuration
- Installation CentOS

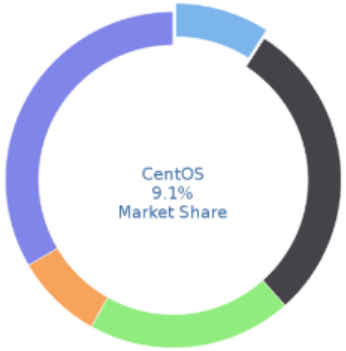
# CentOS Placement

CentOS can be placed on:

- hardware
- hypervisors
- docker
- clouds

196,843

Companies using CentOS




Operating Systems

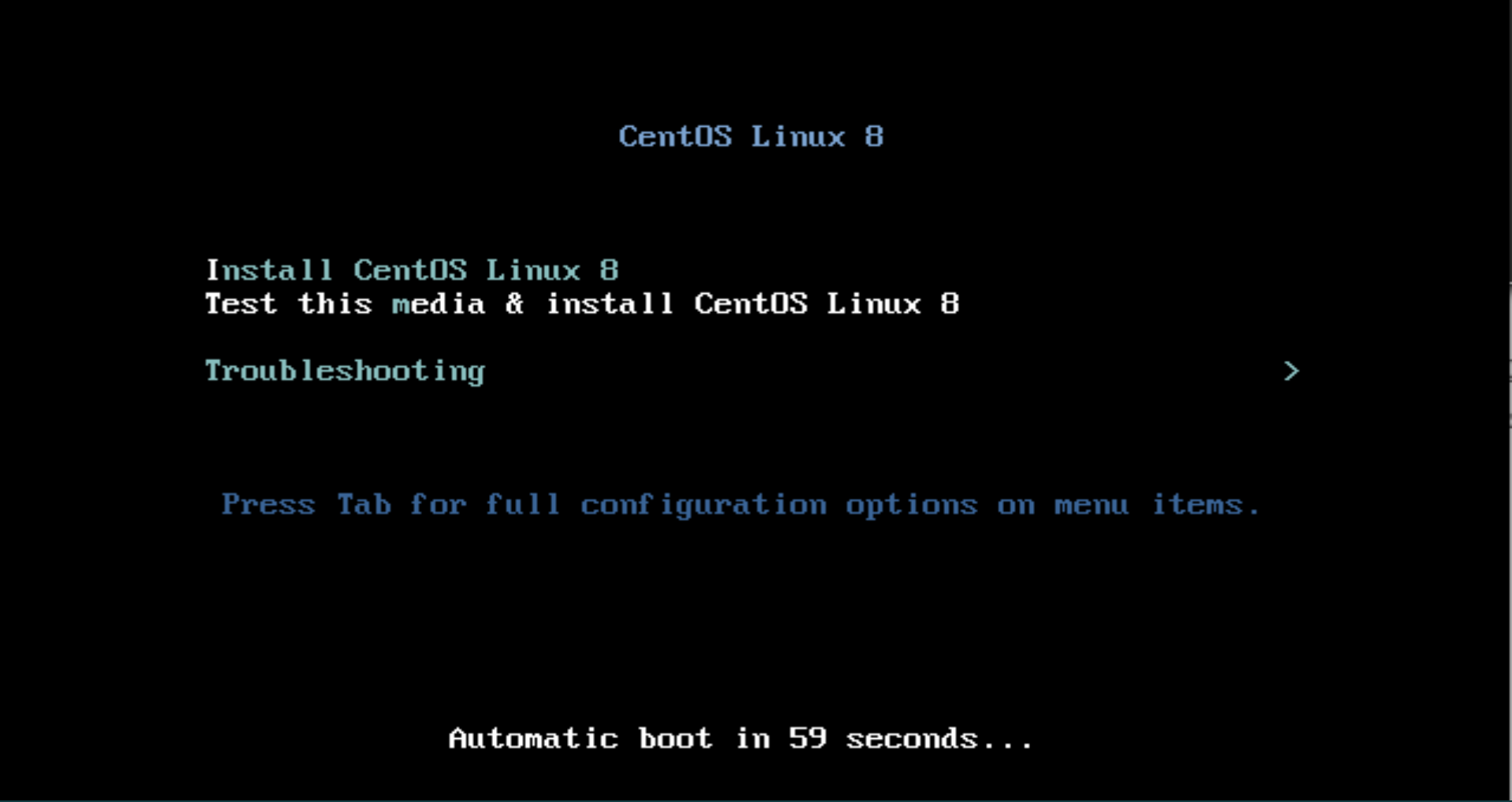
- CentOS (9.10%)
- Linux (29.33%)
- Canonical Ubuntu (19.67%)
- Debian (8.42%)
- View all other top products

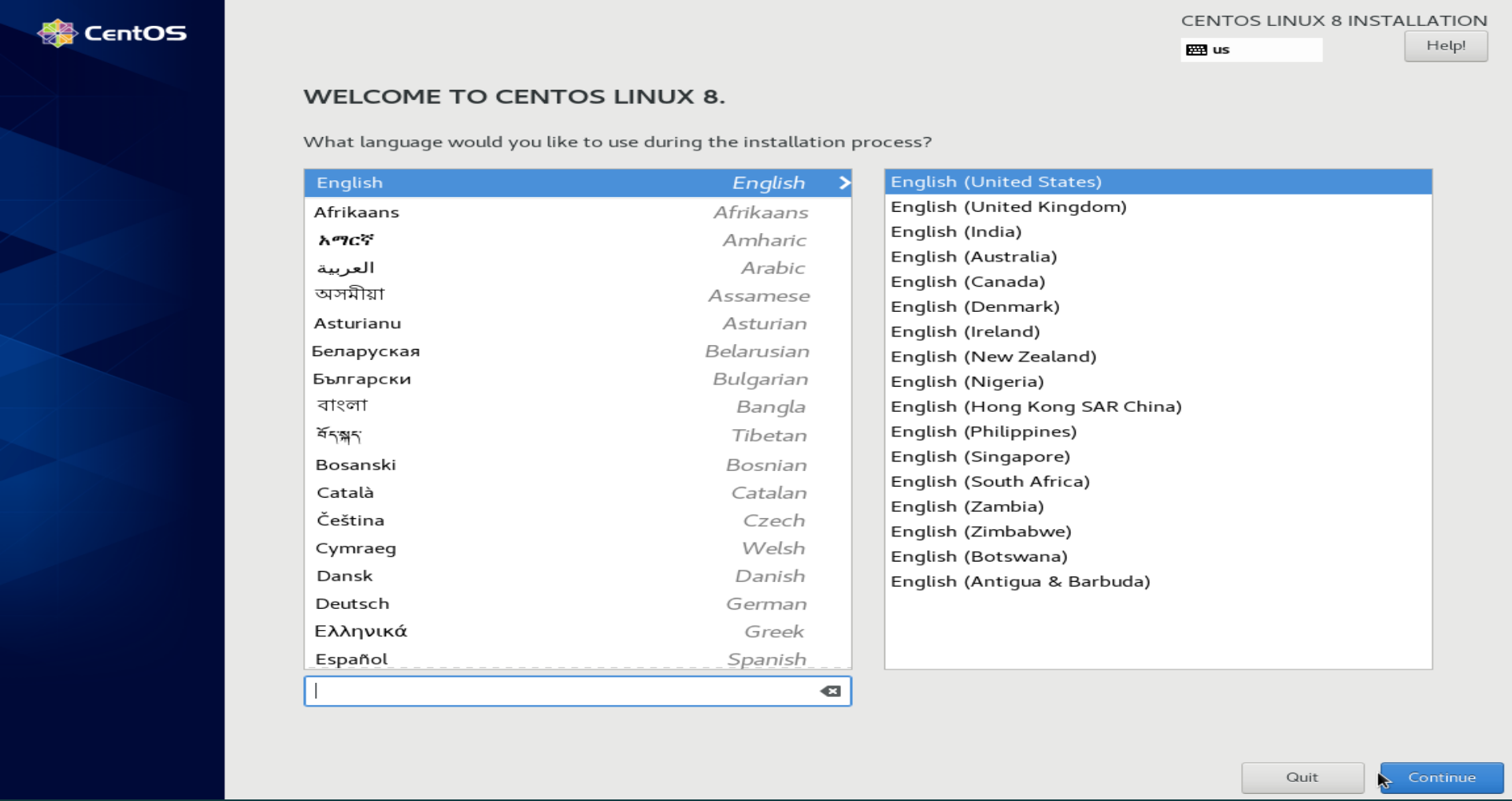
# CentOS Image

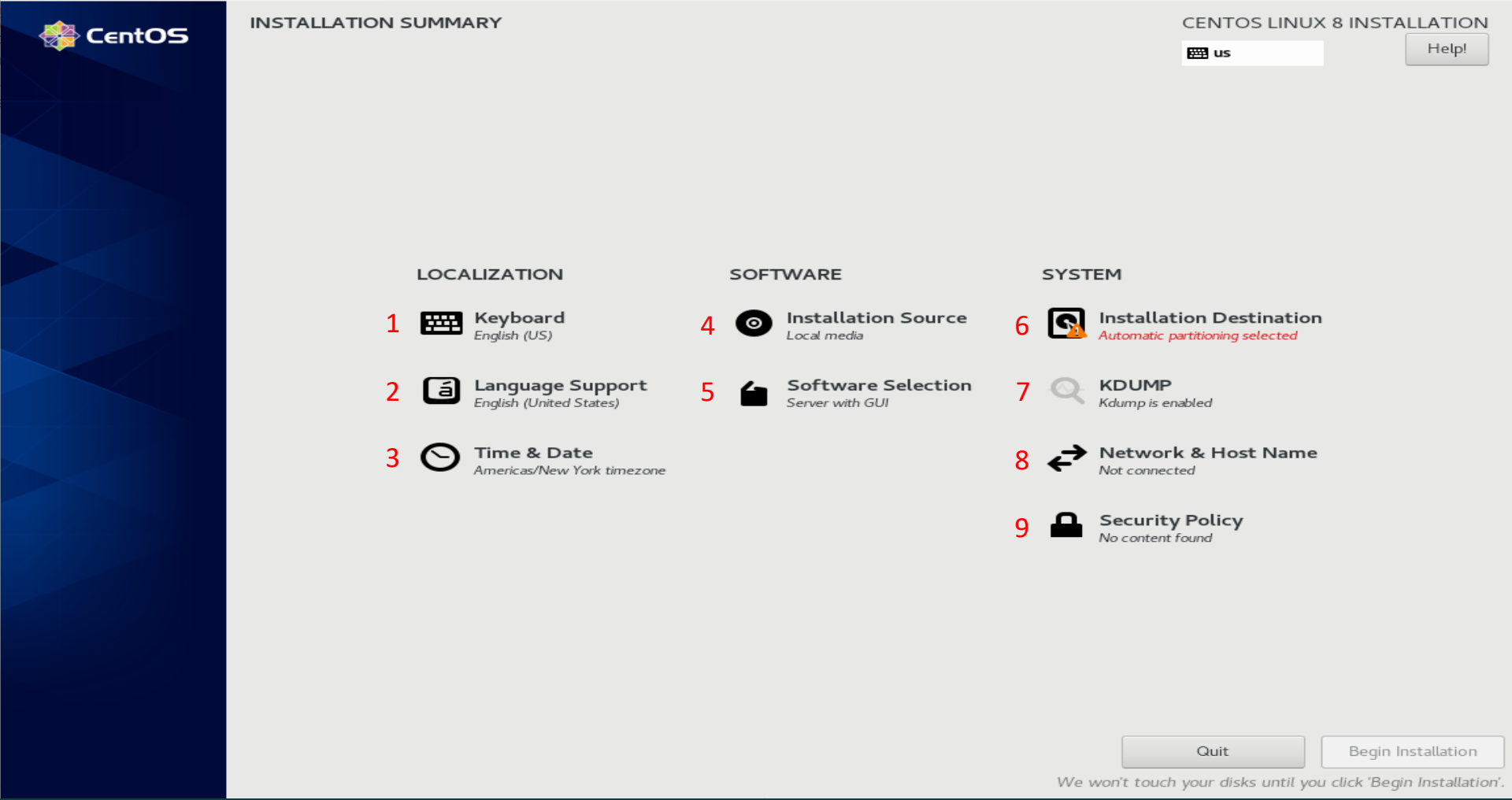
- Download image from official website:

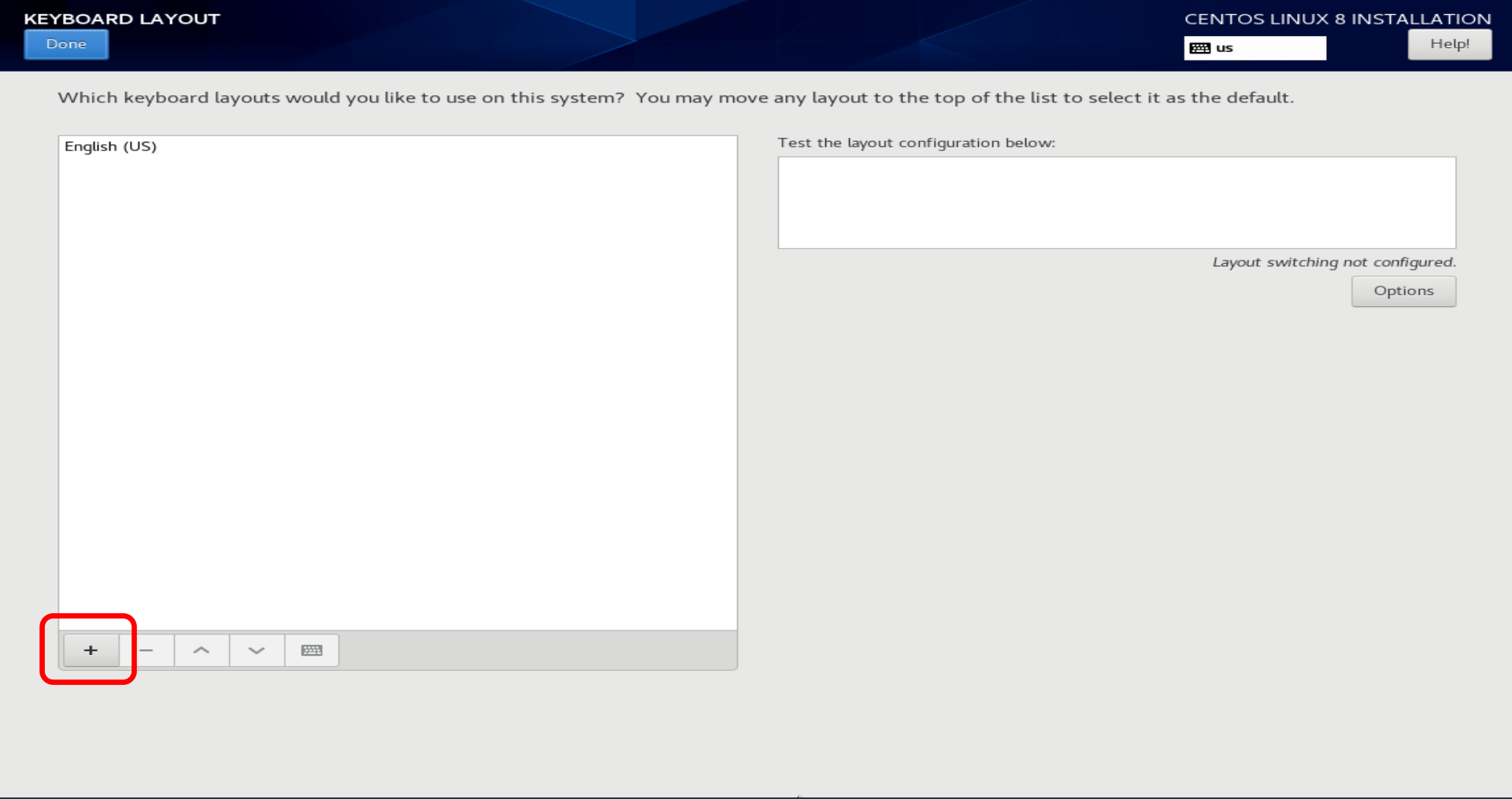
https://www.centos.org/download/

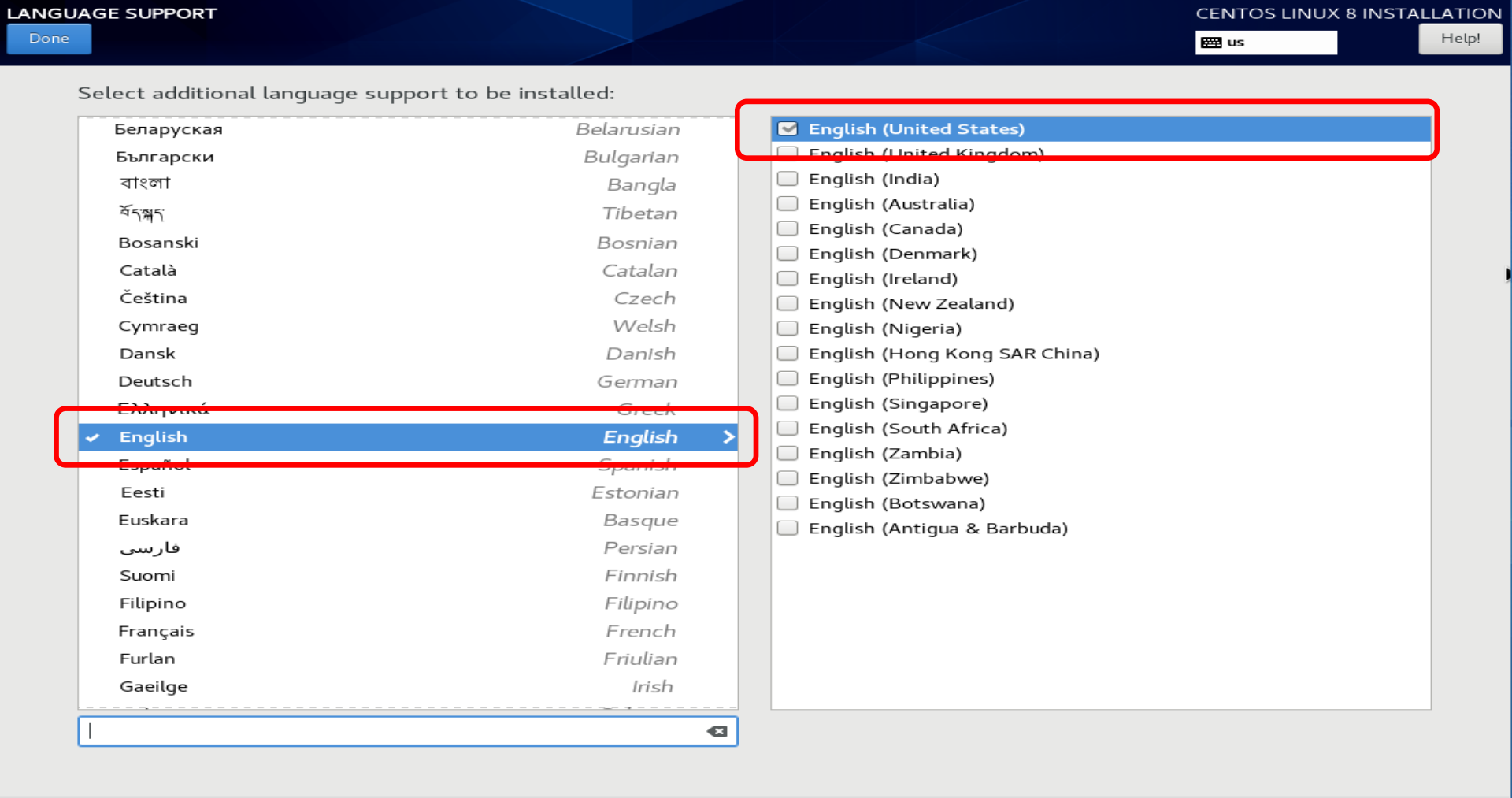
- Create USB boot media or write to DVD

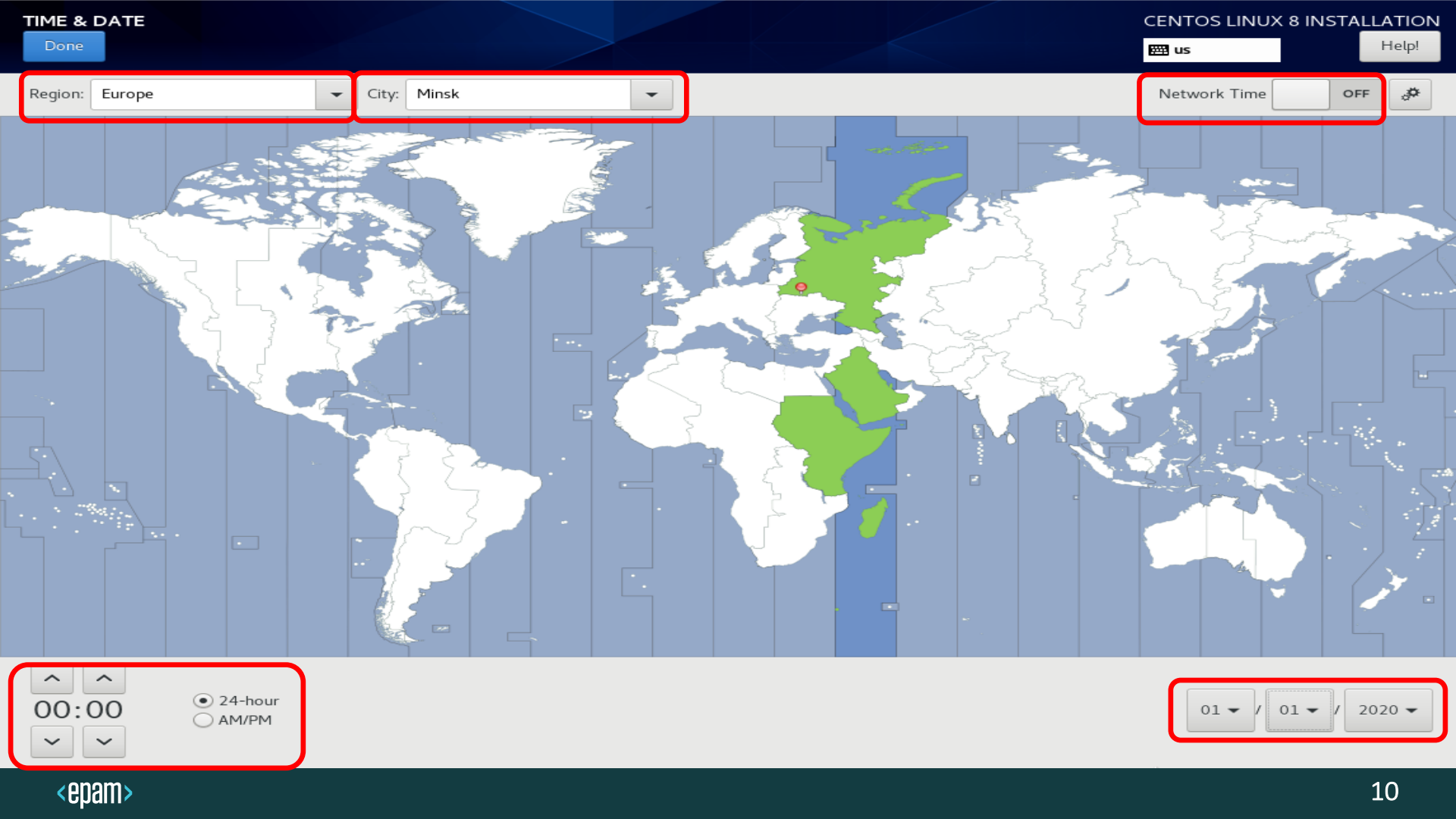

CentOS Linux 8
Install CentOS Linux 8
Test this media & install CentOS Linux 8
Troubleshooting
Press Tab for full configuration options on menu items.
Automatic boot in 59 seconds...

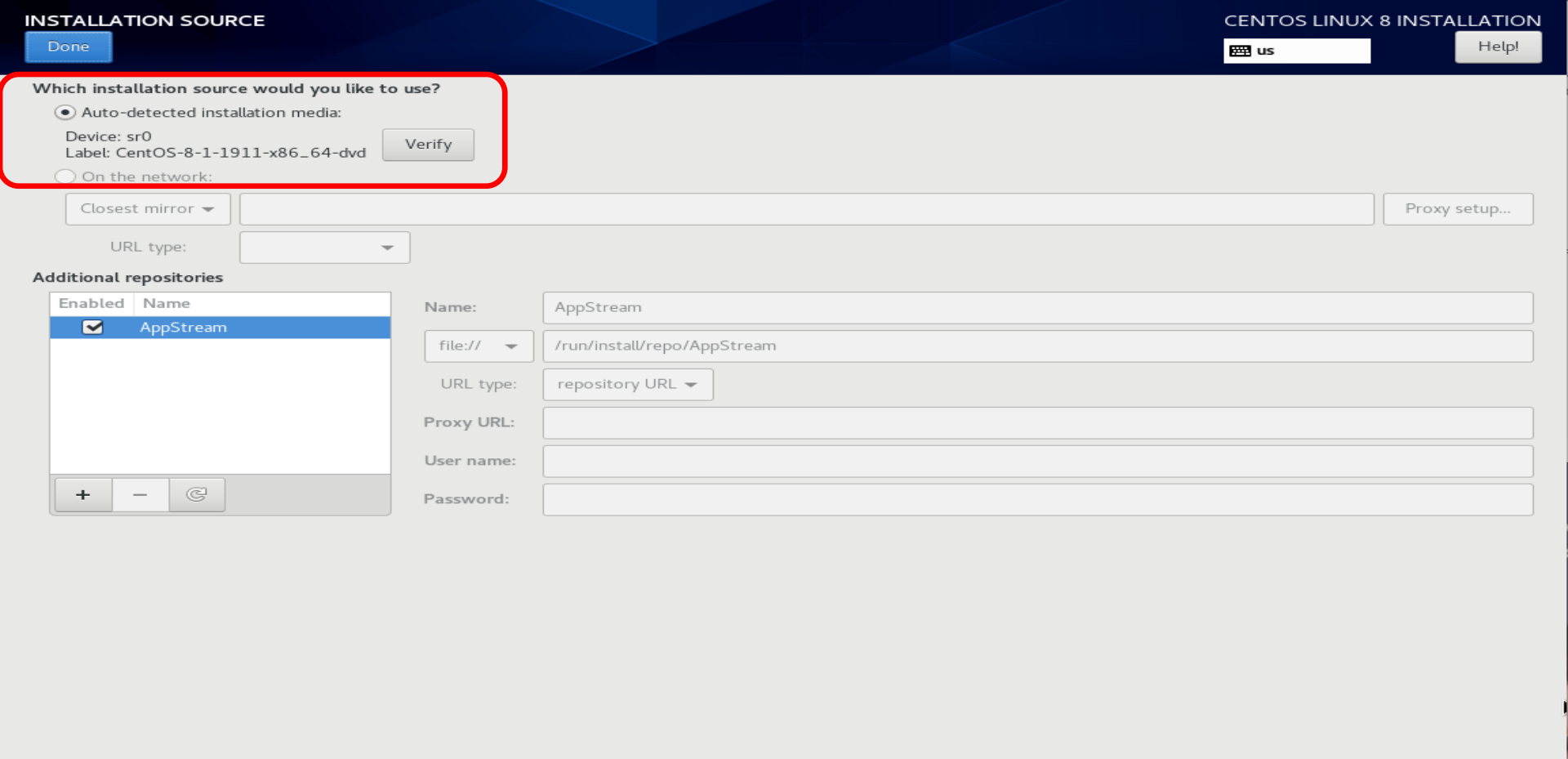

CentOS
CENTOS LINUX 8 INSTALLATION
us
Help!
WELCOME TO CENTOS LINUX 8.
What language would you like to use during the installation process?
English English
Afrikaans Afrikaans
አማርኛ Amharic
العربية Arabic
অসমীয়া Assamese
Asturianu Asturian
Беларуская Belarusian
Български Bulgarian
বাংলা Bangla
ཇོང་ཁ Tibetan
Bosanski Bosnian
Català Catalan
Čeština Czech
Cymraeg Welsh
Dansk Danish
Deutsch German
Ελληνικά Greek
Español Spanish
English (United States)
English (United Kingdom)
English (India)
English (Australia)
English (Canada)
English (Denmark)
English (Ireland)
English (New Zealand)
English (Nigeria)
English (Hong Kong SAR China)
English (Philippines)
English (Singapore)
English (South Africa)
English (Zambia)
English (Zimbabwe)
English (Botswana)
English (Antigua & Barbuda)
Quit
Continue


CentOS
INSTALLATION SUMMARY
CENTOS LINUX 8 INSTALLATION
us
Help!
LOCALIZATION
1 Keyboard
English (US)
2 Language Support
English (United States)
3 Time & Date
Americas/New York timezone
SOFTWARE
4 Installation Source
Local media
5 Software Selection
Server with GUI
SYSTEM
6 Installation Destination
Automatic partitioning selected
7 KDUMP
Kdump is enabled
8 Network & Host Name
Not connected
9 Security Policy
No content found
Quit
Begin Installation
We won't touch your disks until you click 'Begin Installation'.


KEYBOARD LAYOUT
Done
CENTOS LINUX 8 INSTALLATION
us
Help!
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 the default.
English (US)
Test the layout configuration below:
Layout switching not configured.
Options
+
−


LANGUAGE SUPPORT
Done
CENTOS LINUX 8 INSTALLATION
us
Help!
Select additional language support to be installed:
Беларуская Belarusian
Български Bulgarian
বাংলা Bangla
བོད་སྐད་ Tibetan
Bosanski Bosnian
Català Catalan
Čeština Czech
Cymraeg Welsh
Dansk Danish
Deutsch German
Ελληνικά Greek
English English
Español Spanish
Eesti Estonian
Euskara Basque
فارسی Persian
Suomi Finnish
Filipino Filipino
Français French
Furlan Friulian
Gaeilge Irish
English (United States)
English (United Kingdom)
English (India)
English (Australia)
English (Canada)
English (Denmark)
English (Ireland)
English (New Zealand)
English (Nigeria)
English (Hong Kong SAR China)
English (Philippines)
English (Singapore)
English (South Africa)
English (Zambia)
English (Zimbabwe)
English (Botswana)
English (Antigua & Barbuda)


TIME & DATE
Done
CENTOS LINUX 8 INSTALLATION
us
Help!
Region: Europe
City: Minsk
Network Time
OFF
00:00
24-hour
AM/PM
01 / 01 / 2020


INSTALLATION SOURCE
Done
CENTOS LINUX 8 INSTALLATION
us
Help!
Which installation source would you like to use?
Auto-detected installation media:
Device: sr0
Label: CentOS-8-1-1911-x86_64-dvd
Verify
On the network:
Closest mirror
Proxy setup...
URL type:
Additional repositories
Enabled
Name
AppStream
Name:
AppStream
file://
/run/install/repo/AppStream
URL type:
repository URL
Proxy URL:
User name:
Password:

SOFTWARE SELECTION

Done

CENTOS LINUX 8 INSTALLATION

us

Help!

Base Environment

- **Server with GUI**
  An integrated, easy-to-manage server with a graphical interface.
- **Server**
  An integrated, easy-to-manage server.
- **Minimal Install**
  Basic functionality.
- **Workstation**
  Workstation is a user-friendly desktop system for laptops and PCs.
- **Custom Operating System**
  Basic building block for a custom CentOS system.
- **Virtualization Host**
  Minimal virtualization host.

Additional software for Selected Environment

- [x] **Backup Client**
  Client tools for connecting to a backup server and doing backups.
- [ ] **GNOME Applications**
  A set of commonly used GNOME Applications.
- [ ] **Headless Management**
  Tools for managing the system without an attached graphical console.
- [x] **Internet Applications**
  Email, chat, and video conferencing software.
- [x] **Office Suite and Productivity**
  A full-purpose office suite, and other productivity tools.
- [ ] **Remote Desktop Clients**
  None
- [ ] **Smart Card Support**
  Support for using smart card authentication.
- [ ] **Legacy UNIX Compatibility**
  Compatibility programs for migration from or working with legacy UNIX environments.
- [ ] **Container Management**
  Tools for managing Linux containers
- [ ] **Development Tools**
  A basic development environment.
- [ ] **.NET Core Development**
  Tools to develop .NET applications
- [ ] **Graphical Administration Tools**
  Graphical system administration tools for managing many aspects of a system.
- [ ] **Network Servers**
  These packages include network-based servers such as DHCP, Kerberos and NIS.
- [ ] **RPM Development Tools**
  Tools used for building RPMs, such as rpmbuild.
- [ ] **Scientific Support**
  Tools for mathematical and scientific computations, and parallel computing.
- [ ] **Security Tools**
  Security tools for integrity and trust verification.
- [ ] **System Tools**
  This group is a collection of various tools for the system, such as the client for connecting to SMB shares and tools to monitor network traffic.

INSTALLATION DESTINATION

Done

CENTOS LINUX 8 INSTALLATION

us

Help!

**Device Selection**

Select the device(s) you'd like to install to. They will be left untouched until you click on the main menu's "Begin Installation" button.

**Local Standard Disks**

40 GiB

**Msft Virtual Disk 6002248025844b4776c96486865d21eb**

sda / 40 GiB free

*Disks left unselected here will not be touched.*

**Specialized & Network Disks**

Add a disk...

*Disks left unselected here will not be touched.*

**Storage Configuration**

(•) Automatic ( ) Custom

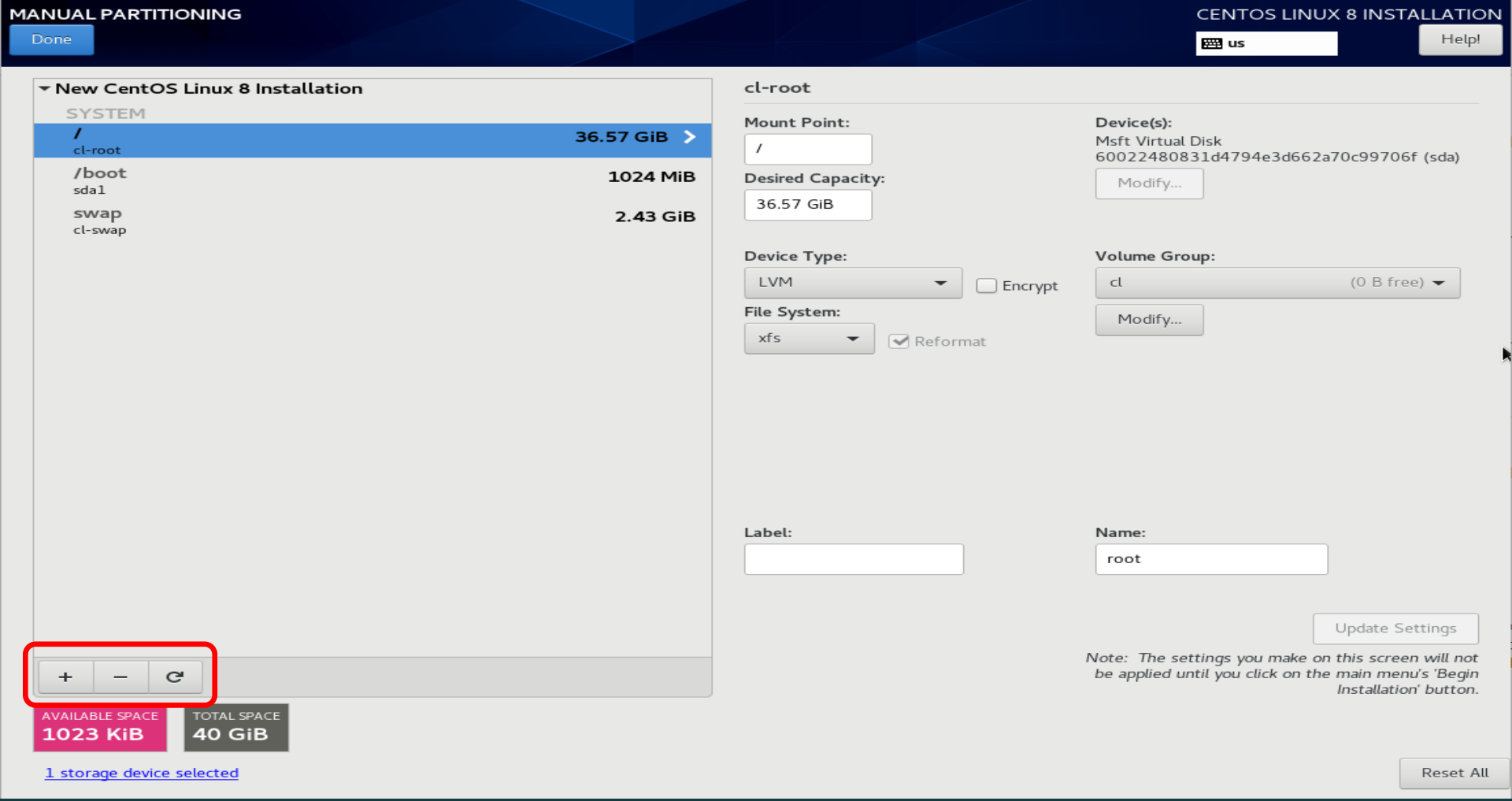
[ ] I would like to make additional space available.

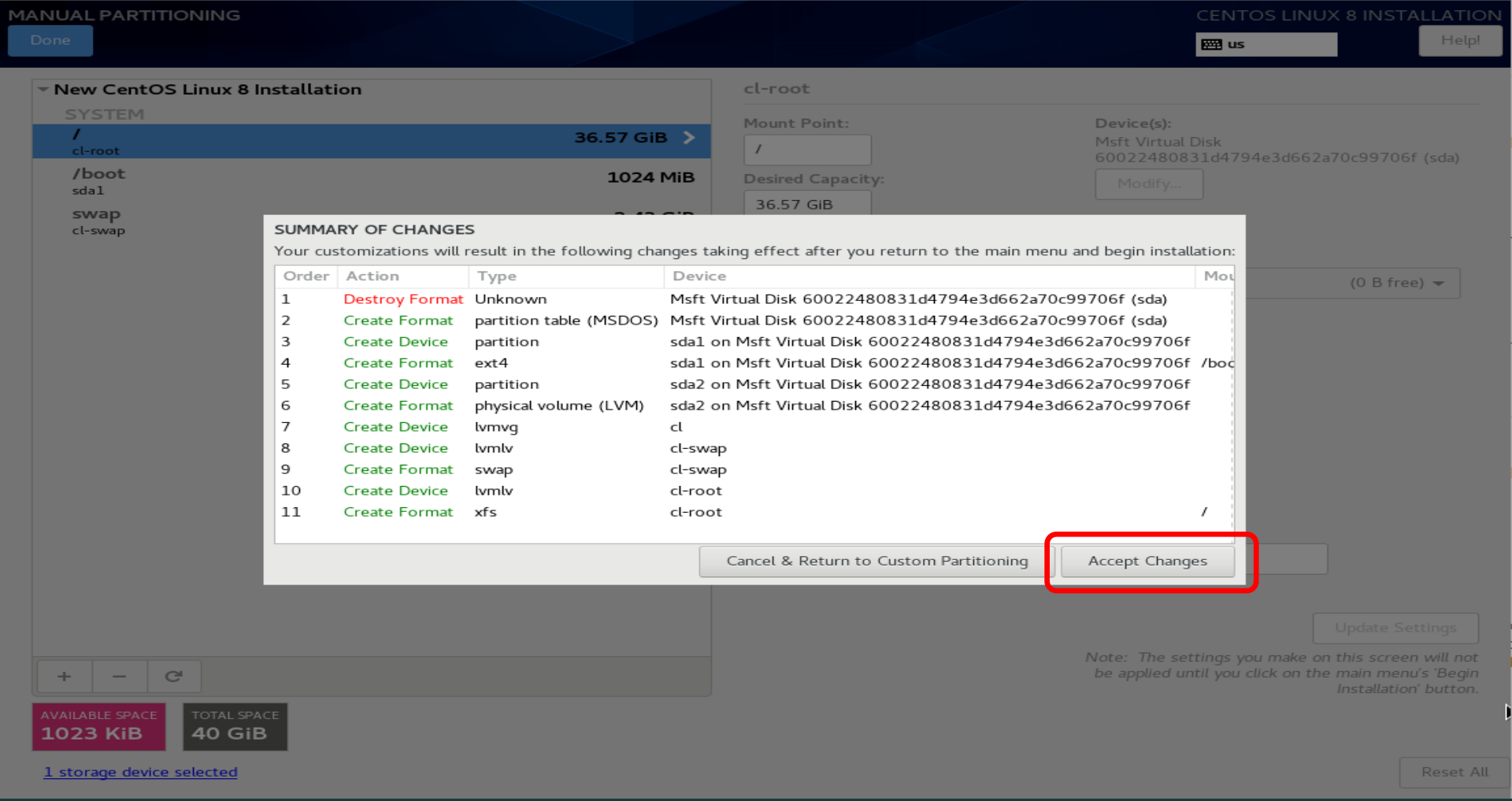
**Encryption**

[ ] Encrypt my data. *You'll set a passphrase next.*

Full disk summary and boot loader...

1 disk selected; 40 GiB capacity; 40 GiB free Refresh...


MANUAL PARTITIONING
Done
CENTOS LINUX 8 INSTALLATION
us
Help!
New CentOS Linux 8 Installation
SYSTEM
/
cl-root
36.57 GiB
/boot
sda1
1024 MiB
swap
cl-swap
2.43 GiB
+
−
AVAILABLE SPACE
1023 KiB
TOTAL SPACE
40 GiB
1 storage device selected
cl-root
Mount Point:
/
Desired Capacity:
36.57 GiB
Device(s):
Msft Virtual Disk
60022480831d4794e3d662a70c99706f (sda)
Modify...
Device Type:
LVM
Encrypt
File System:
xfs
Reformat
Volume Group:
cl
(0 B free)
Modify...
Label:
Name:
root
Update Settings
Note: The settings you make on this screen will not be applied until you click on the main menu's 'Begin Installation' button.
Reset All


MANUAL PARTITIONING
Done
CENTOS LINUX 8 INSTALLATION
us
Help!
New CentOS Linux 8 Installation
SYSTEM
/
cl-root
36.57 GiB
/boot
sda1
1024 MiB
swap
cl-swap
cl-root
Mount Point:
/
Desired Capacity:
36.57 GiB
Device(s):
Msft Virtual Disk
60022480831d4794e3d662a70c99706f (sda)
Modify...
(0 B free)
SUMMARY OF CHANGES
Your customizations will result in the following changes taking effect after you return to the main menu and begin installation:
Order Action Type Device Mou
1 Destroy Format Unknown Msft Virtual Disk 60022480831d4794e3d662a70c99706f (sda)
2 Create Format partition table (MSDOS) Msft Virtual Disk 60022480831d4794e3d662a70c99706f (sda)
3 Create Device partition sda1 on Msft Virtual Disk 60022480831d4794e3d662a70c99706f
4 Create Format ext4 sda1 on Msft Virtual Disk 60022480831d4794e3d662a70c99706f /boo
5 Create Device partition sda2 on Msft Virtual Disk 60022480831d4794e3d662a70c99706f
6 Create Format physical volume (LVM) sda2 on Msft Virtual Disk 60022480831d4794e3d662a70c99706f
7 Create Device lvmvg cl
8 Create Device lvmlv cl-swap
9 Create Format swap cl-swap
10 Create Device lvmlv cl-root
11 Create Format xfs cl-root /
Cancel & Return to Custom Partitioning
Accept Changes
Update Settings
Note: The settings you make on this screen will not be applied until you click on the main menu's 'Begin Installation' button.
AVAILABLE SPACE
1023 KiB
TOTAL SPACE
40 GiB
1 storage device selected
Reset All

Kdump is a kernel crash dumping mechanism. In the event of a system crash, kdump will capture information from your system that can be invaluable in determining the cause of the crash. Note that kdump does require reserving a portion of system memory that will be unavailable for other uses.

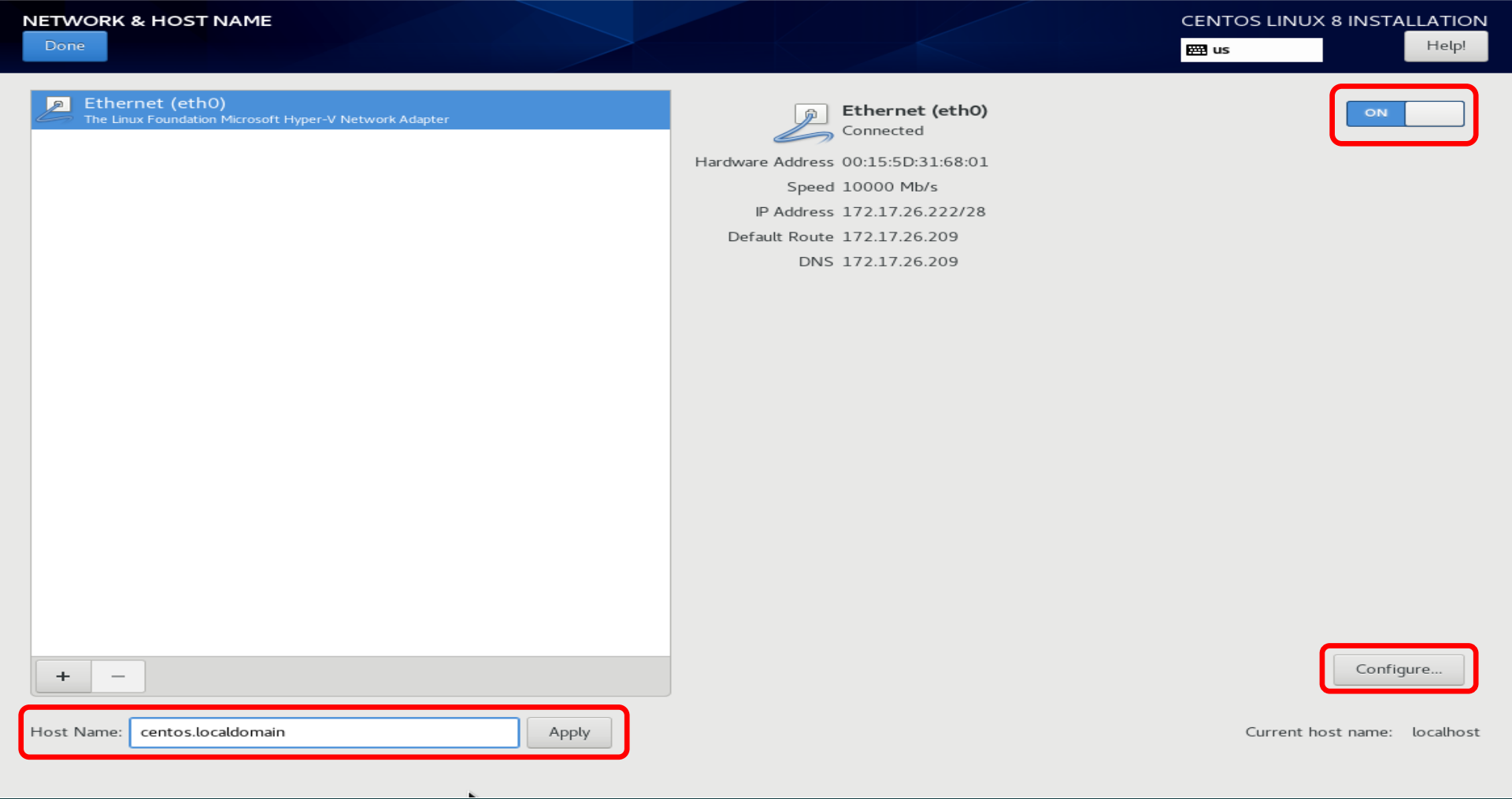
Enable kdump

Kdump Memory Reservation: Automatic Manual

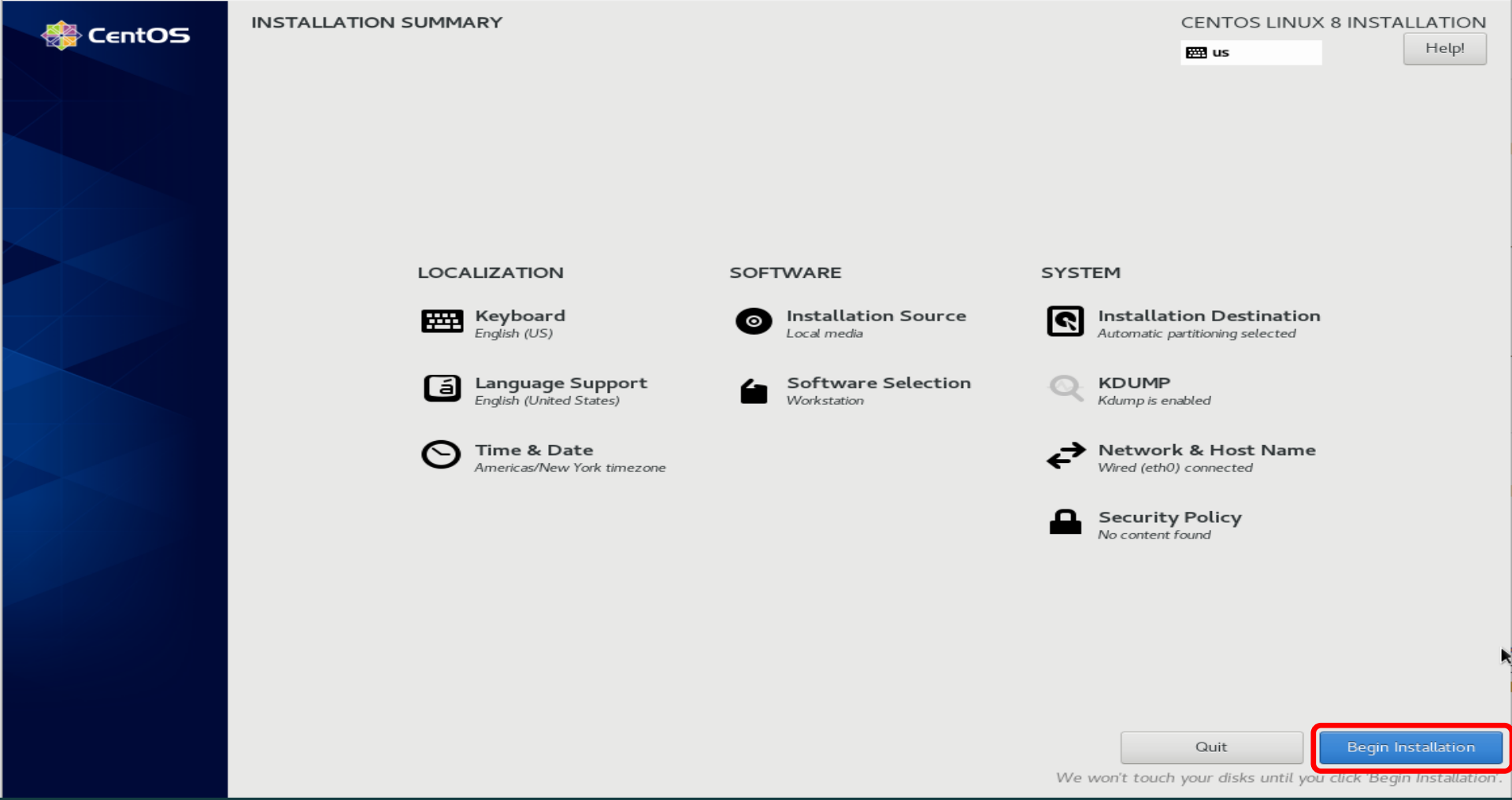
Memory To Be Reserved (MB): 160

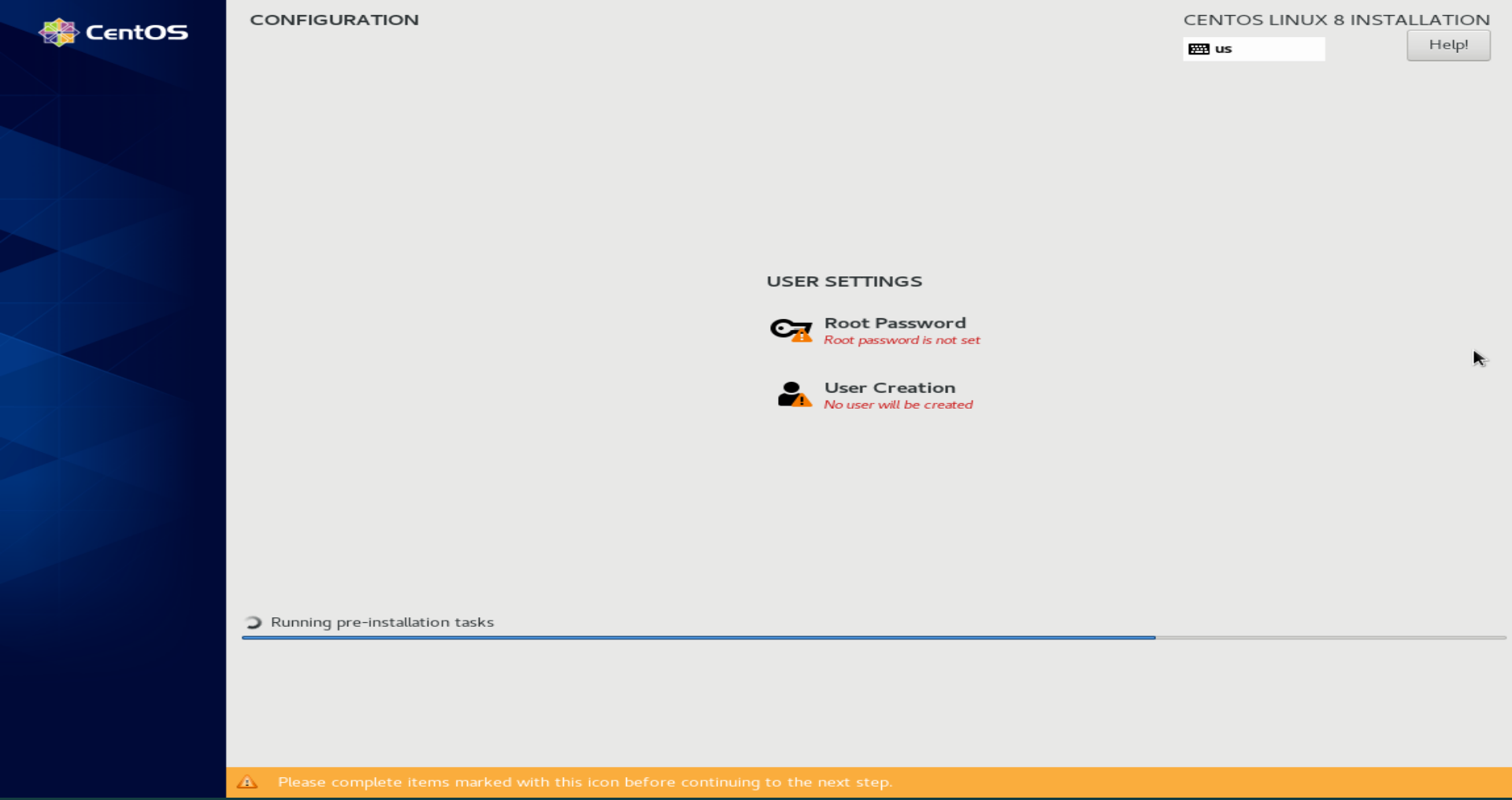
Total System Memory (MB): 1647

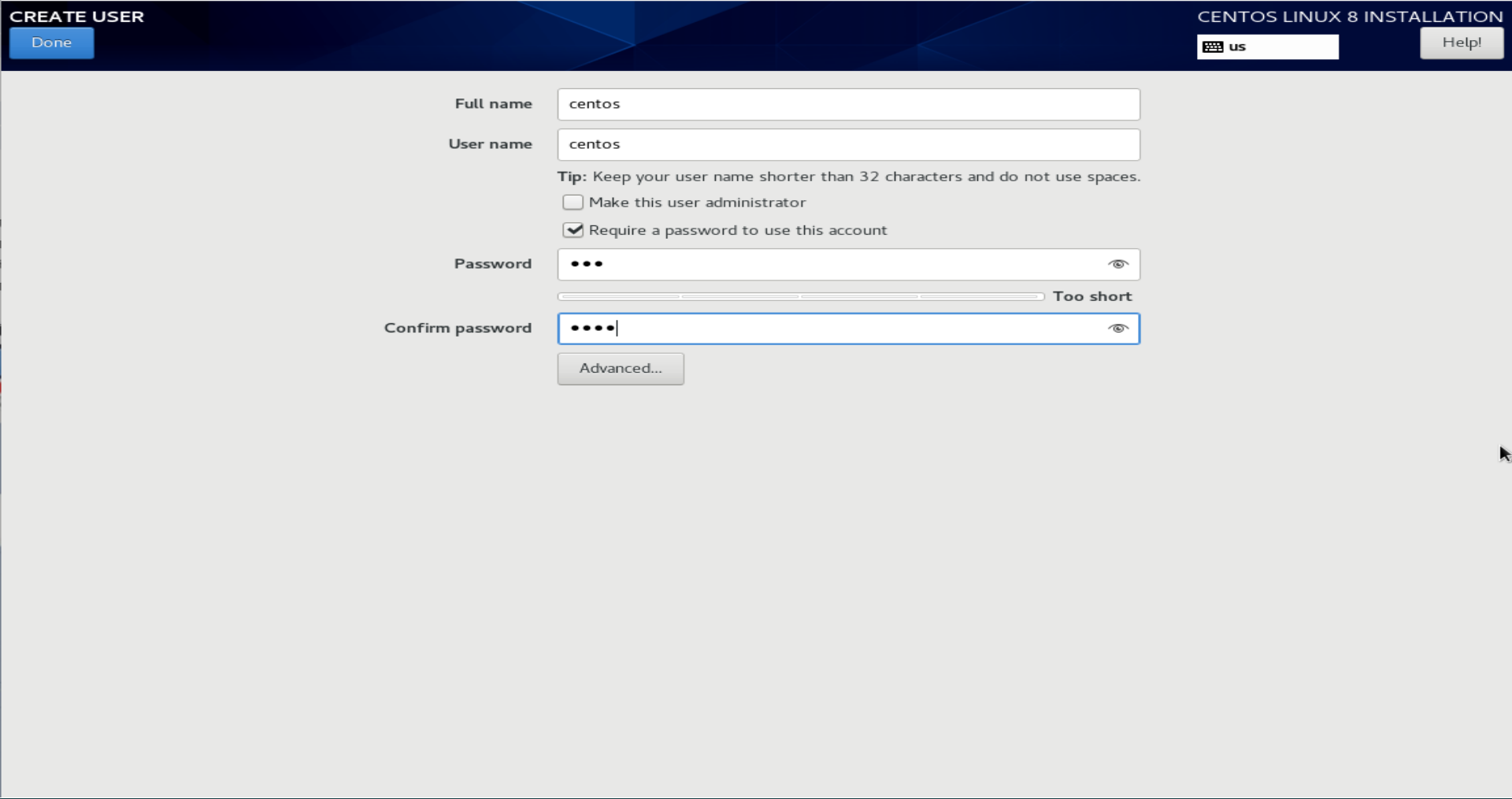
Usable System Memory (MB): 1487

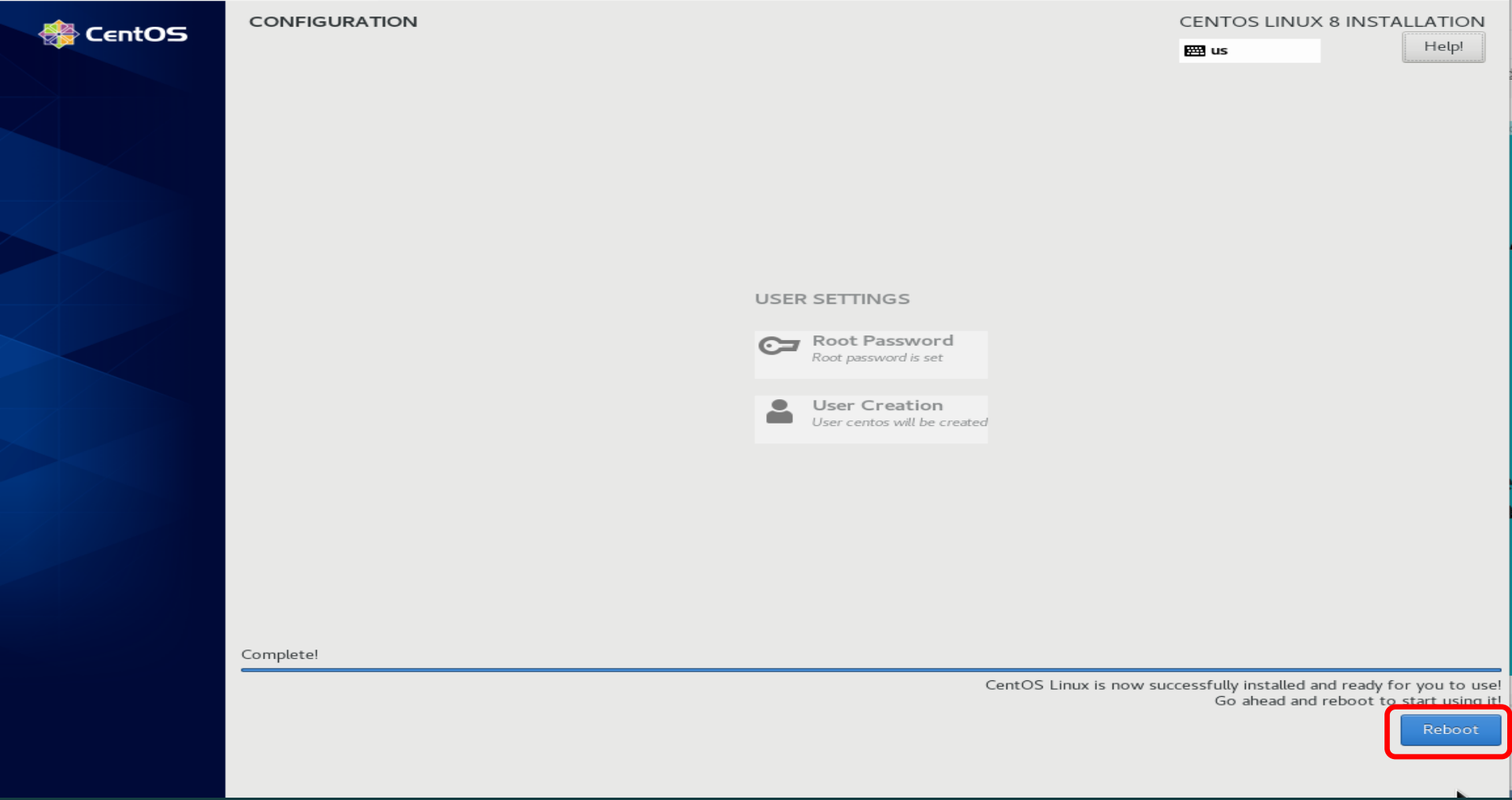

NETWORK & HOST NAME
Done
CENTOS LINUX 8 INSTALLATION
us
Help!
Ethernet (eth0)
The Linux Foundation Microsoft Hyper-V Network Adapter
Ethernet (eth0)
Connected
ON
Hardware Address 00:15:5D:31:68:01
Speed 10000 Mb/s
IP Address 172.17.26.222/28
Default Route 172.17.26.209
DNS 172.17.26.209
Configure...
Host Name: centos.localdomain
Apply
Current host name: localhost

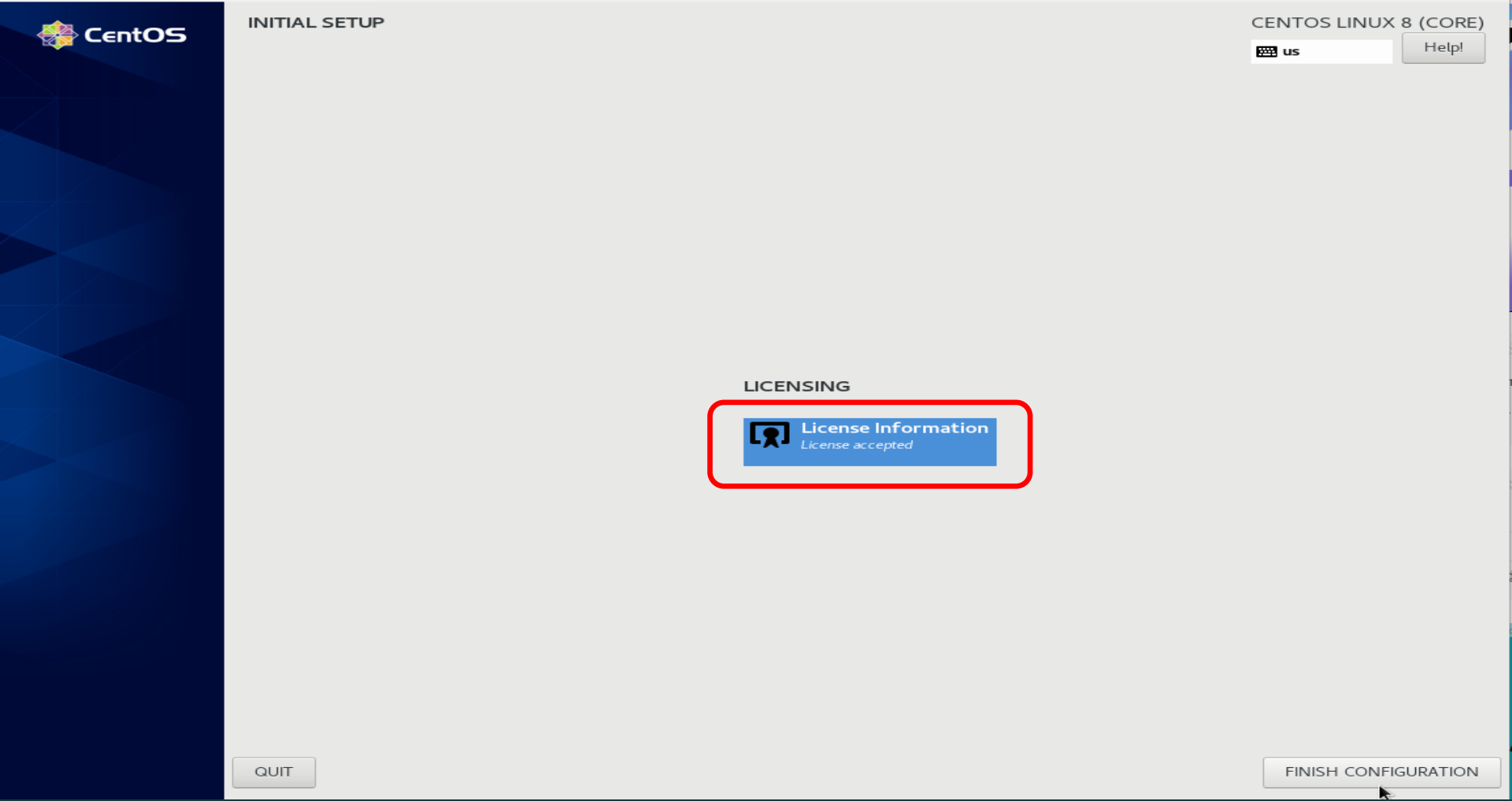
SECURITY POLICY
Done
CENTOS LINUX 8 INSTALLATION
us
Help!
No content found. Please enter data stream content or archive URL below:
Fetch

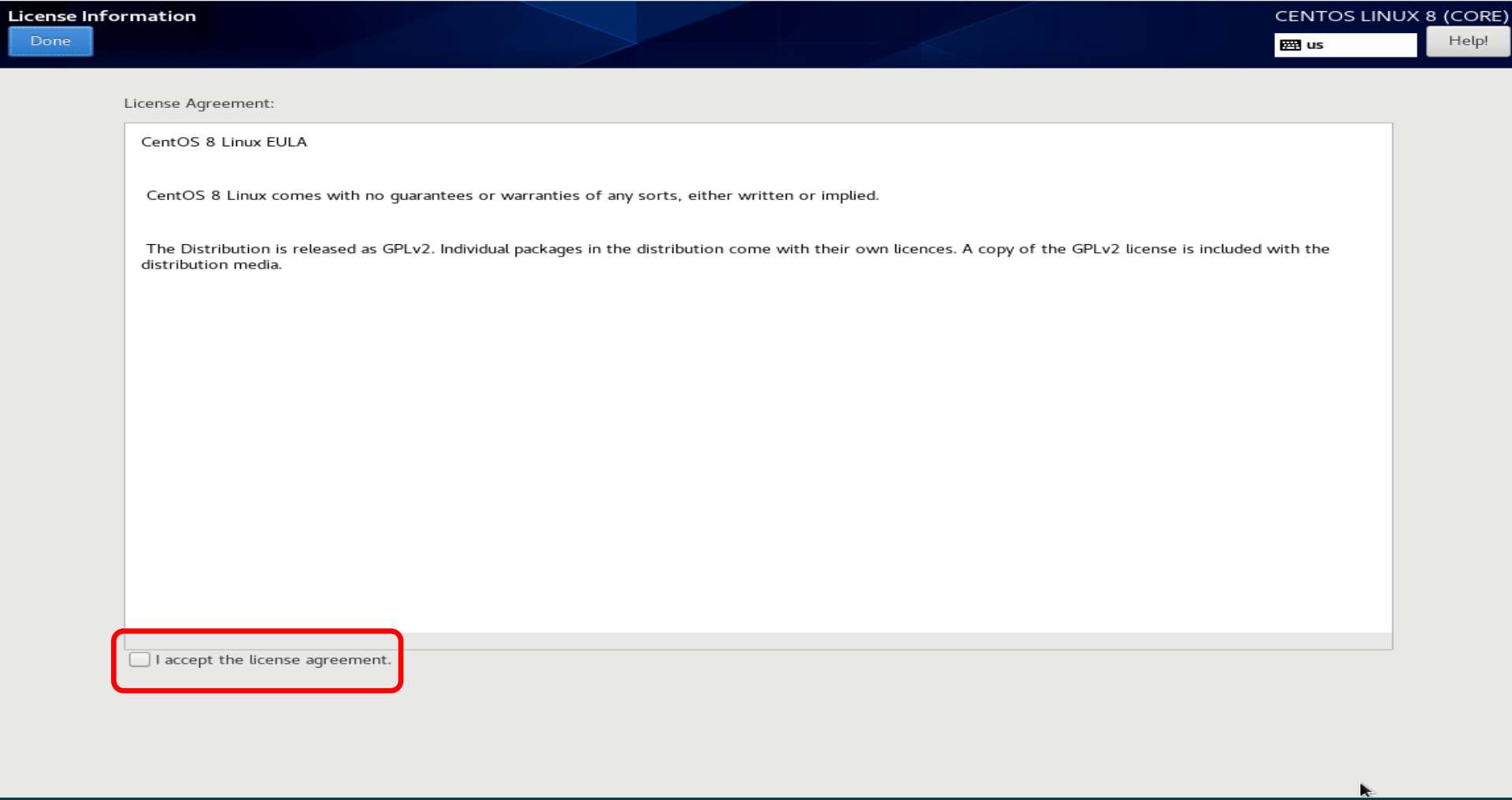

CentOS
INSTALLATION SUMMARY
CENTOS LINUX 8 INSTALLATION
us
Help!
LOCALIZATION
Keyboard
English (US)
Language Support
English (United States)
Time & Date
Americas/New York timezone
SOFTWARE
Installation Source
Local media
Software Selection
Workstation
SYSTEM
Installation Destination
Automatic partitioning selected
KDUMP
Kdump is enabled
Network & Host Name
Wired (eth0) connected
Security Policy
No content found
Quit
Begin Installation
We won't touch your disks until you click 'Begin Installation'.

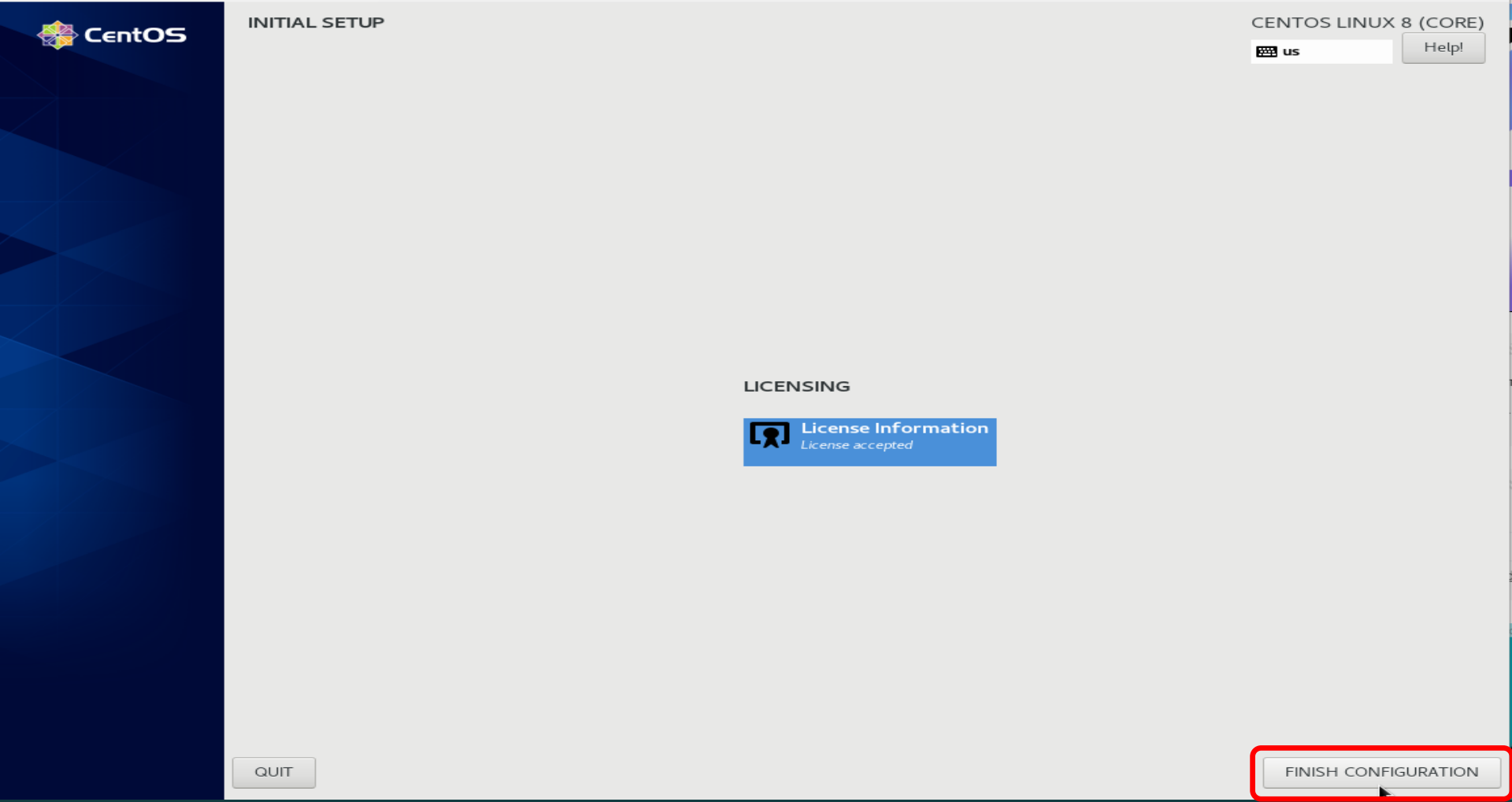

CentOS
CONFIGURATION
CENTOS LINUX 8 INSTALLATION
us
Help!
USER SETTINGS
Root Password
Root password is not set
User Creation
No user will be created
Running pre-installation tasks
Please complete items marked with this icon before continuing to the next step.

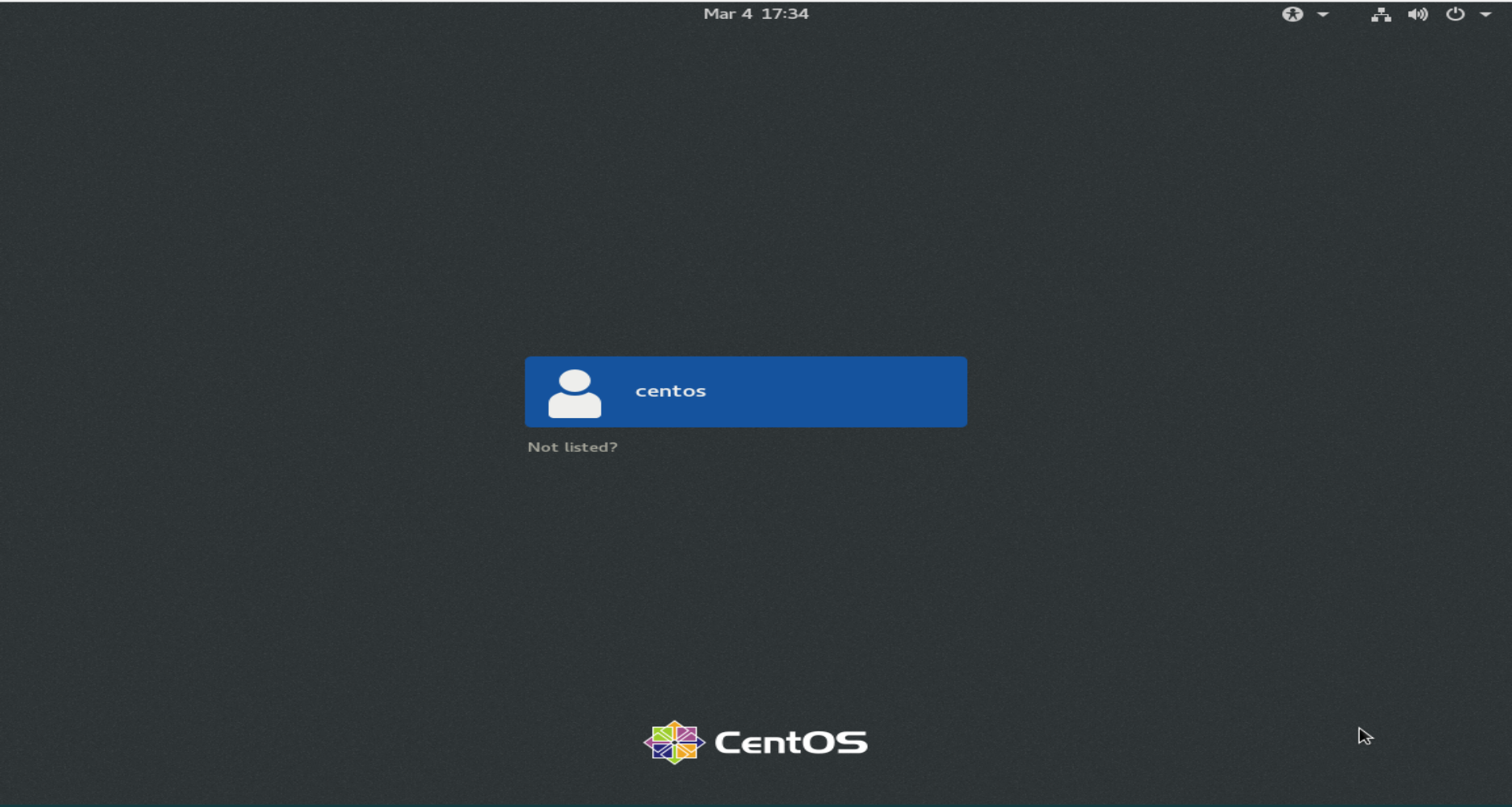

CREATE USER
Done
CENTOS LINUX 8 INSTALLATION
us
Help!
Full name
centos
User name
centos
Tip: Keep your user name shorter than 32 characters and do not use spaces.
Make this user administrator
Require a password to use this account
Password
Too short
Confirm password
Advanced...


CentOS
CONFIGURATION
CENTOS LINUX 8 INSTALLATION
us
Help!
USER SETTINGS
Root Password
Root password is set
User Creation
User centos will be created
Complete!
CentOS Linux is now successfully installed and ready for you to use!
Go ahead and reboot to start using it!
Reboot


CentOS
INITIAL SETUP
CENTOS LINUX 8 (CORE)
us
Help!
LICENSING
License Information
License accepted
QUIT
FINISH CONFIGURATION


License Information
Done
CENTOS LINUX 8 (CORE)
us
Help!
License Agreement:
CentOS 8 Linux EULA
CentOS 8 Linux comes with no guarantees or warranties of any sorts, either written or implied.
The Distribution is released as GPLv2. Individual packages in the distribution come with their own licences. A copy of the GPLv2 license is included with the distribution media.
I accept the license agreement.


CentOS
INITIAL SETUP
CENTOS LINUX 8 (CORE)
us
Help!
LICENSING
License Information
License accepted
QUIT
FINISH CONFIGURATION


Mar 4 17:34
centos
Not listed?
CentOS