

本文主要是记录下 CentOS 7 的安装过程，以供自己与大家以后查看。

## 1, CentOS 镜像下载

本文下载的是 CentOS-7.0-1406-x86\_64-Everything.iso 镜像包

CentOS 网站:

<http://www.centos.org/>

镜像地址:

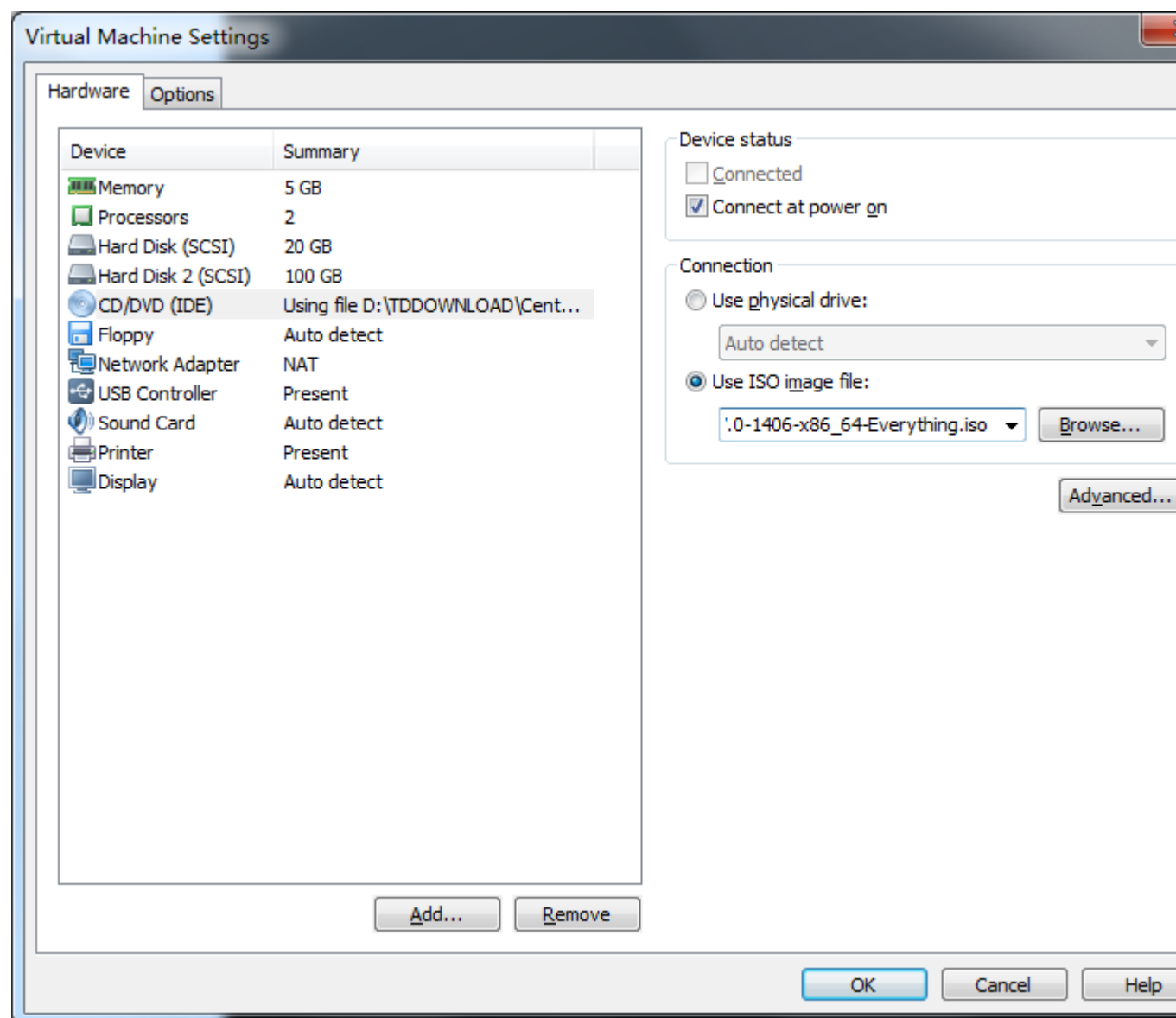
[http://centos.ustc.edu.cn/centos/7.0.1406/isos/x86\\_64/CentOS-7.0-1406-x86\\_64-DVD.iso](http://centos.ustc.edu.cn/centos/7.0.1406/isos/x86_64/CentOS-7.0-1406-x86_64-DVD.iso)

[http://centos.ustc.edu.cn/centos/7.0.1406/isos/x86\\_64/CentOS-7.0-1406-x86\\_64-Everything.iso](http://centos.ustc.edu.cn/centos/7.0.1406/isos/x86_64/CentOS-7.0-1406-x86_64-Everything.iso)

## 2, VMware 虚拟机装入 ISO 镜像

本文中，硬盘分了 20G（单文件）用于安装系统，其实作为实验学习，10G 就够了，一般用户安装完，大约 4~5G 的样子（VMware 的创建过程本文省略）。

在 CD/DVD(IDE) 一项中装入 ISO，虚拟机设置大概如下图：



### 3，启动虚拟机

选择 Install CentOS 7 ， 如下图：



4, 按 Enter 键进入安装

- Press the <ENTER> key to begin the installation process.

```
( OK ) Started Load/Save Random Seed.
( OK ) Started Import network configuration from initramfs.
( OK ) Started udev Coldplug all Devices.
      Starting udev Wait for Complete Device Initialization...
( OK ) Started Create static device nodes in /dev.
      Starting udev Kernel Device Manager...
( OK ) Reached target Local File Systems (Pre).
( OK ) Started udev Kernel Device Manager.
( OK ) Started Device-Mapper Multipath Device Controller.
( OK ) Started udev Wait for Complete Device Initialization.
      Starting Activation of DM RAID sets...
( OK ) Started Activation of DM RAID sets.
( OK ) Reached target Local File Systems.
      Starting Trigger Flushing of Journal to Persistent Storage...
      Starting Tell Plymouth To Write Out Runtime Data...
      Starting Create Volatile Files and Directories...
( OK ) Reached target Encrypted Volumes.
( OK ) Started Tell Plymouth To Write Out Runtime Data.
( OK ) Started Trigger Flushing of Journal to Persistent Storage.
( OK ) Started Create Volatile Files and Directories.
      Starting Update UTMP about System Reboot/Shutdown...
( OK ) Started Update UTMP about System Reboot/Shutdown.
( OK ) Reached target System Initialization.
( OK ) Reached target Timers.
( OK ) Listening on Open-iSCSI iscsid Socket.
( OK ) Listening on Open-iSCSI iscsiui Socket.
( OK ) Listening on Avahi mDNS/DNS-SD Stack Activation Socket.
( OK ) Listening on D-Bus System Message Bus Socket.
( OK ) Reached target Sockets.
( OK ) Reached target Basic System.
      Starting firewalld - dynamic firewall daemon...
      Starting Dump dnsmasq to /var/log/dnsmasq...
      Starting Terminate Plymouth Boot Screen...
      Starting System Logging Service...
      Starting Wait for Plymouth Boot Screen to Quit...
( OK ) Started Dump dnsmasq to /var/log/dnsmasq.
```

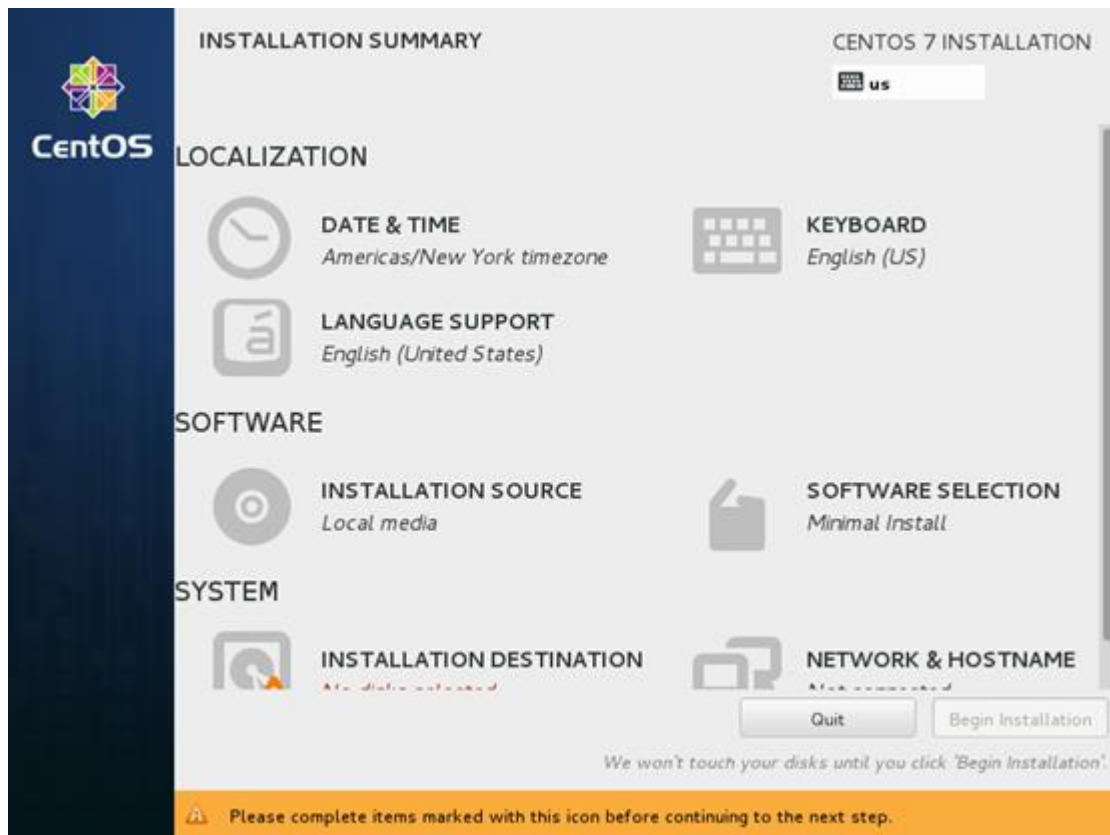
## 5, 选择安装过程中的语言

本文选择英文



## 6，进入安装设置主界面

安装过 Ubuntu 或者其他操作系统的，一般都知道，安装配置是向导式的过程。而 CentOS 7 的主要配置工作都在此界面进行，如果没完全设置好，Begin installation 按钮将灰选，如下图：



## 7，配置时间日期

选择 LOCALIZATION 中的 DATE & TIME 项，选择时区 Asia\shanghai，设置完按 Done 返回。如下图：



8, LOCALIZATION 中的 KEYBOARD 项使用默认即可。

## 9, 设置支持的语言

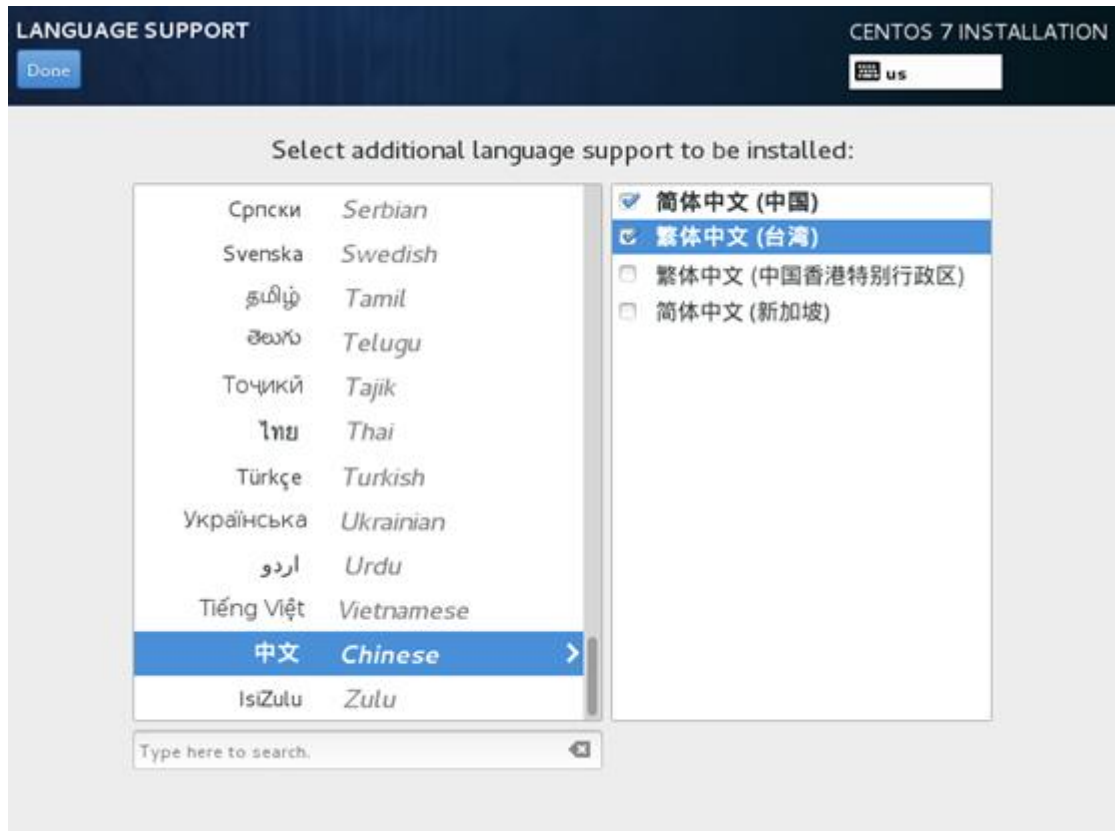
选择 LOCALIZATION 中的 LANGUAGE SUPPORT 项, 本文除了默认的英语, 还选择了中文, 设置完按 Done 返回。如下图:

Select additional language support to be installed:

বাংলা	Bengali	<input checked="" type="checkbox"/> English (United States)
Bosanski	Bosnian	<input type="checkbox"/> English (United Kingdom)
Català	Catalan	<input type="checkbox"/> English (India)
Čeština	Czech	<input type="checkbox"/> English (Australia)
Cymraeg	Welsh	<input type="checkbox"/> English (Canada)
Dansk	Danish	<input type="checkbox"/> English (Denmark)
Deutsch	German	<input type="checkbox"/> English (Ireland)
Ελληνικά	Greek	<input type="checkbox"/> English (New Zealand)
English	English	<input type="checkbox"/> English (Nigeria)
Español	Spanish	<input type="checkbox"/> English (Hong Kong SAR China)
Eesti	Estonian	<input type="checkbox"/> English (Philippines)
Euskara	Basque	<input type="checkbox"/> English (Singapore)
		<input type="checkbox"/> English (South Africa)

Type here to search.





## 10，安装源配置

选择 SOFTWARE 中的 INSTALLATION SOURCE 项，本文选择默认的安装源。设置完按 Done 返回。如下图：

INSTALLATION SOURCE

CENTOS 7 INSTALLATION

Done

us

Which installation source would you like to use?

☒ Auto-detected installation media:

Device: sr0  
Label: CentOS\_7\_x86\_64 Verify

☐ On the network:

Proxy setup...

☐ This URL refers to a mirror list.

Additional repositories

Enabled	Name
<input checked="" type="checkbox"/>	ustc
<input checked="" type="checkbox"/>	aliyun

Name:

☒ This URL refers to a mirror list.

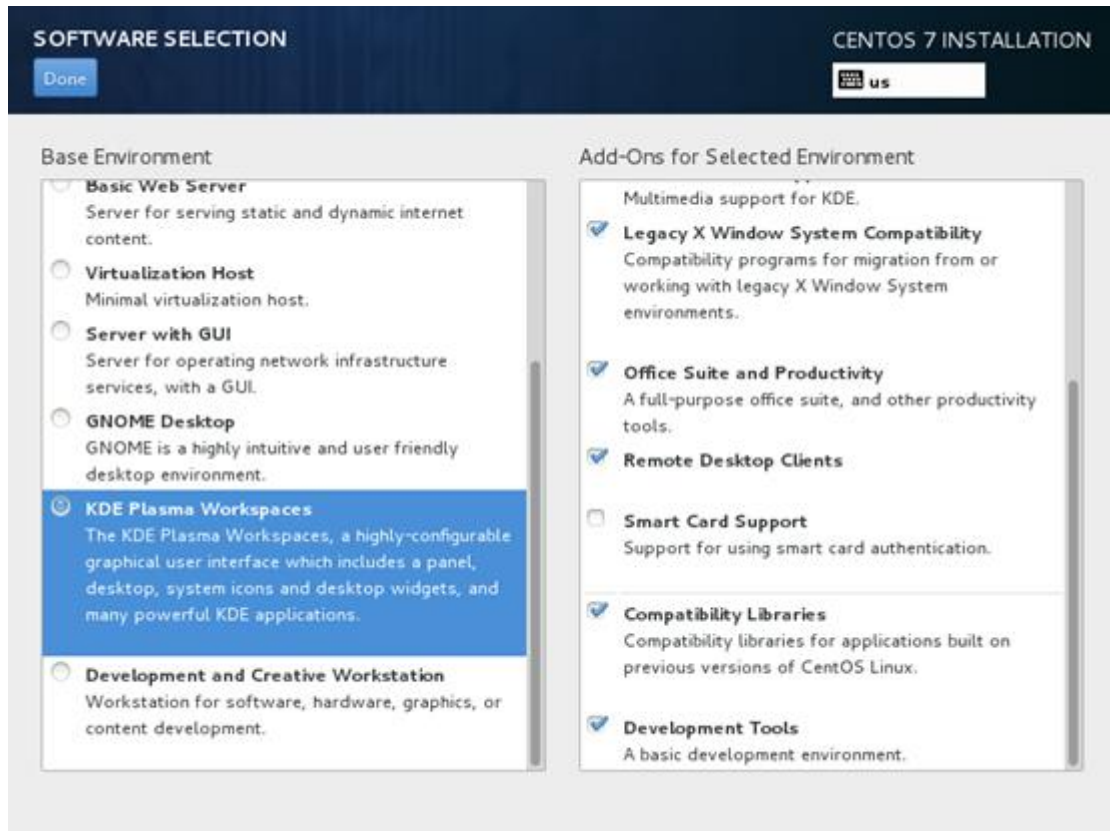
Proxy URL:

Username:

Password:

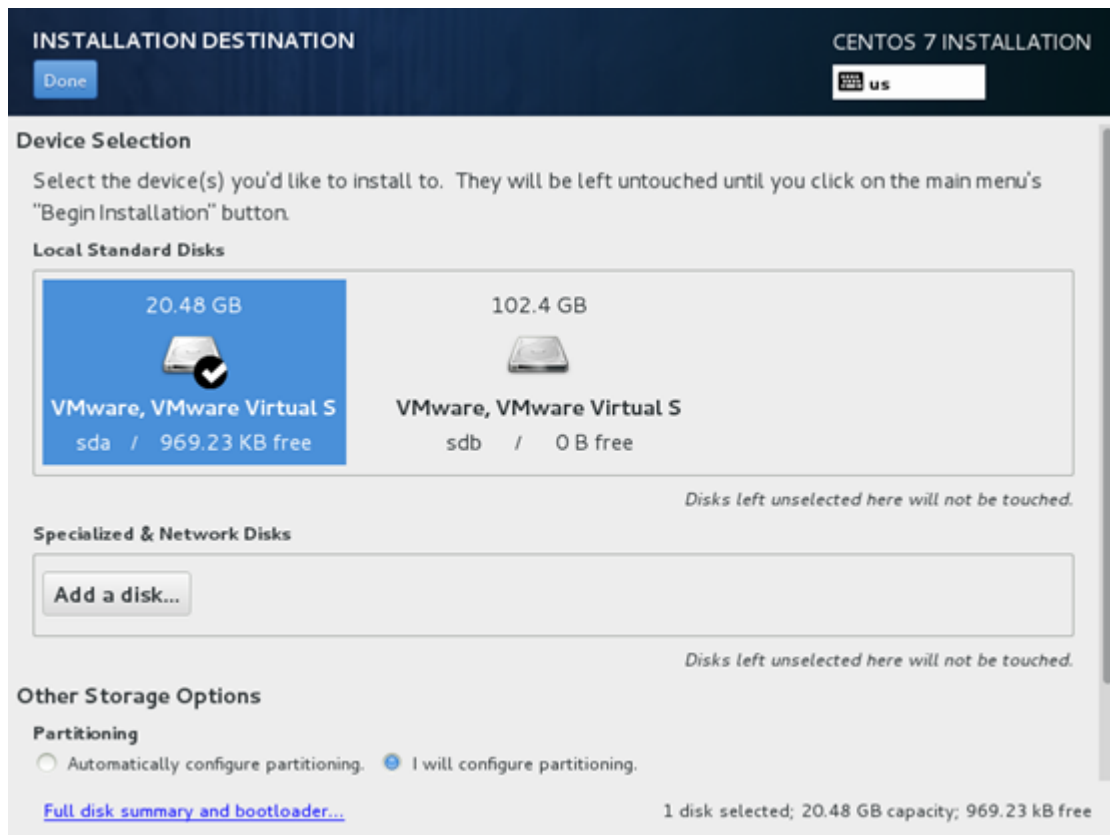
## 11，系统环境及软件安装

选择 SOFTWARE 中的 SOFTWARE SELECTION 项，根据自己需要，选择想要的环境。本文选择 GNOME Desktop 环境（左侧），右侧为附加的一些软件及工具，根据自己需要选择安装。设置完按 Done 返回。如下图：

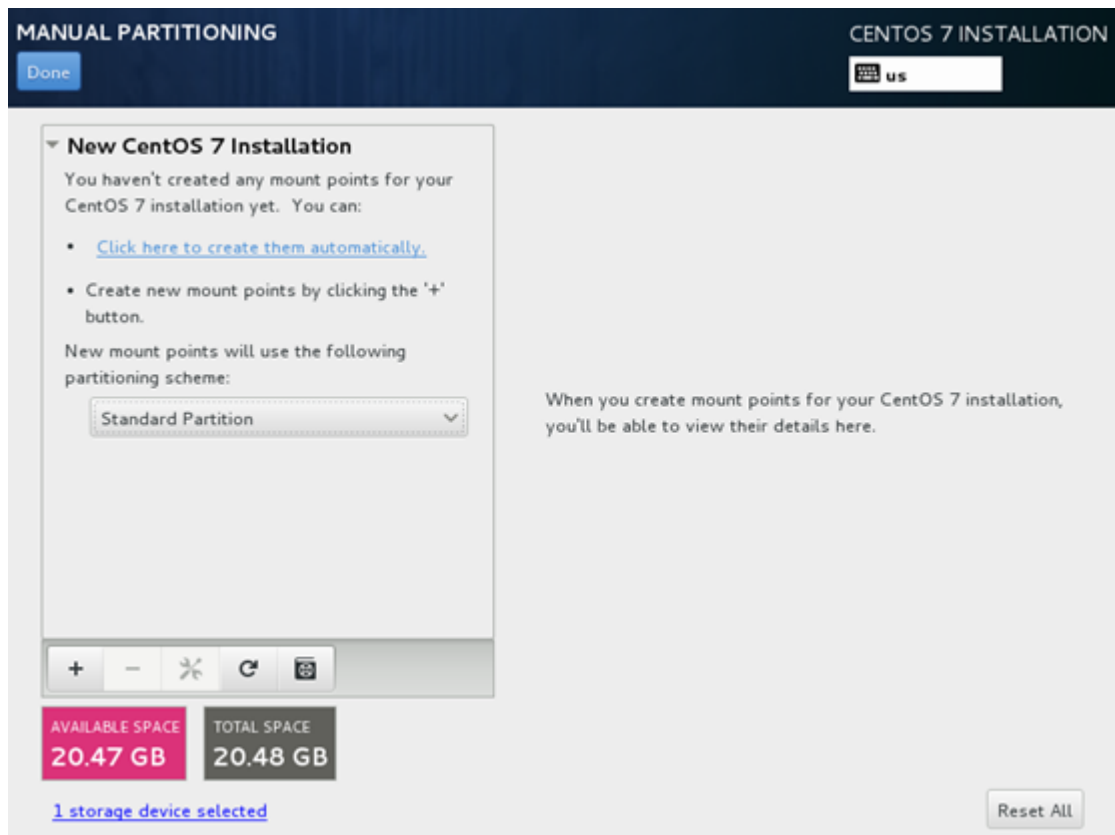


## 12, 系统分区设置

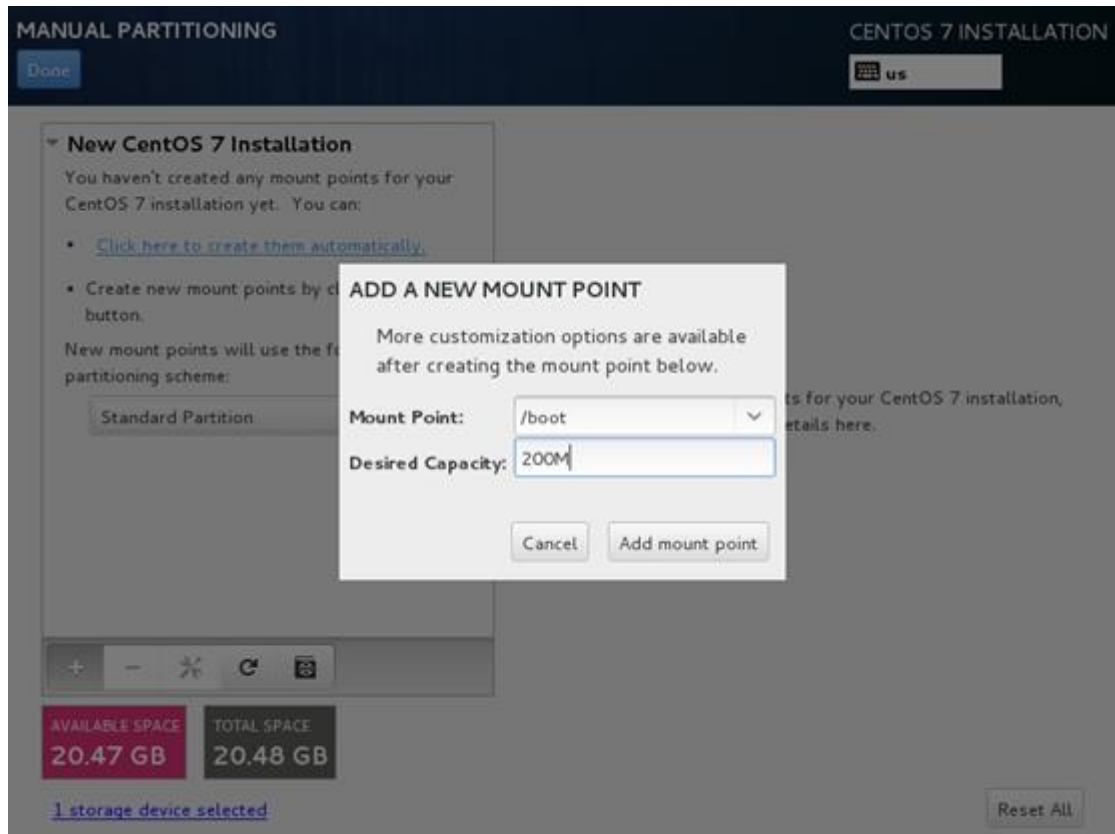
选择 SYSTEM 中的 INSTALLATION DESTINATION 项，选择安装操作系统的盘，如下图：



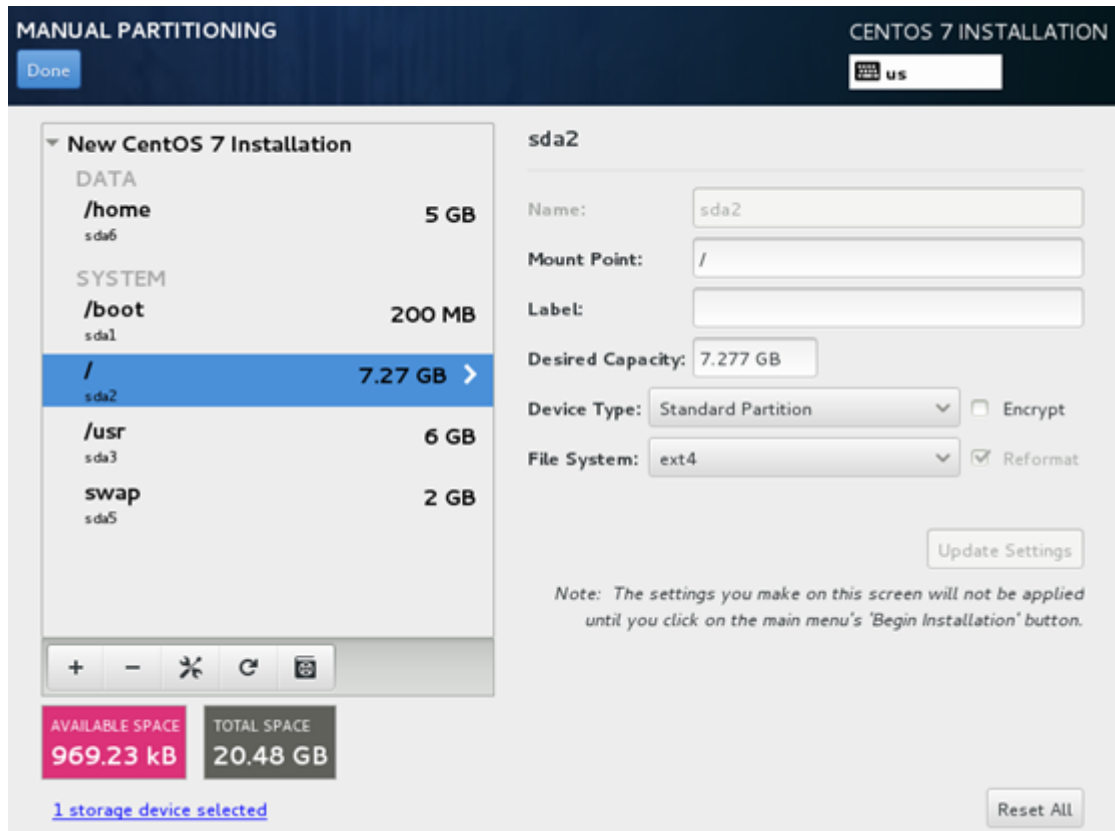
在 Other Storage Options 中，选择配置分区项 “I will configure partitioning”，按 Done 确认，见下图：



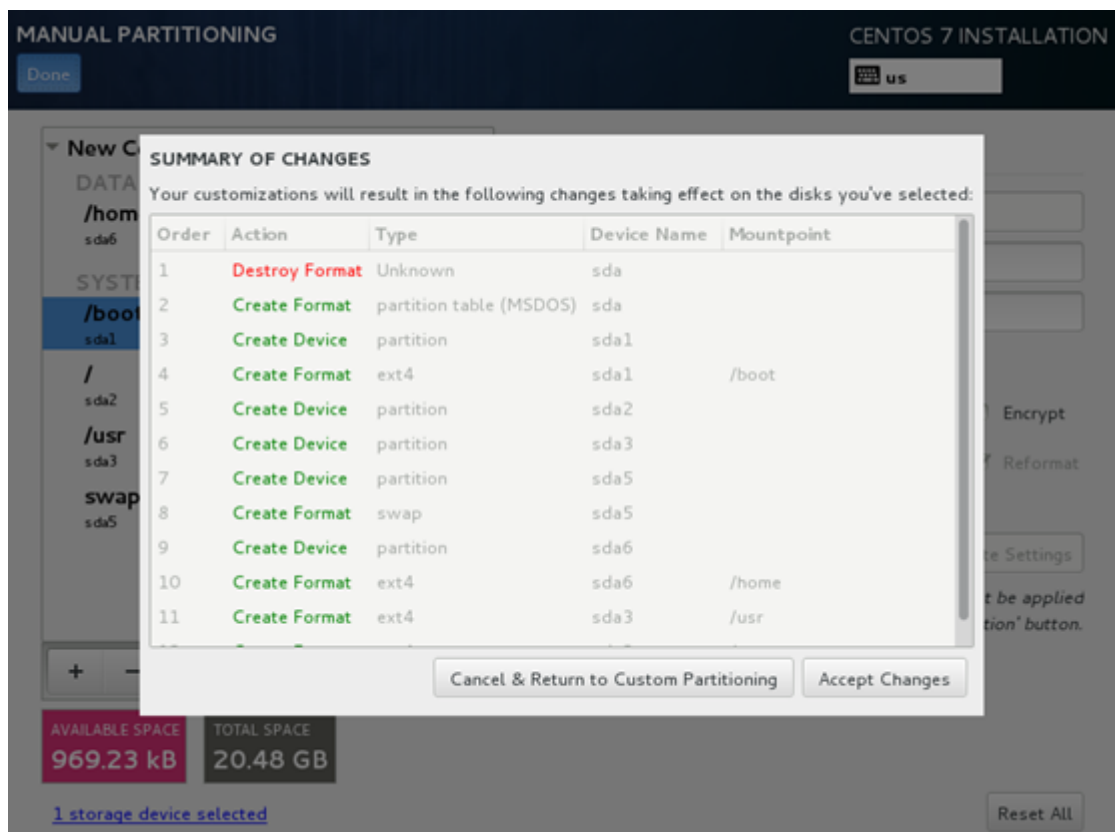
手动分区，我们选择 **Standard Partition** 分区方式，按 **Done** 确认，如下图：



本文首先挂载了 boot 分区，文件系统为 ext4，其他分区情况如下图：（分区相对比较随意，可根据情况自己调整）

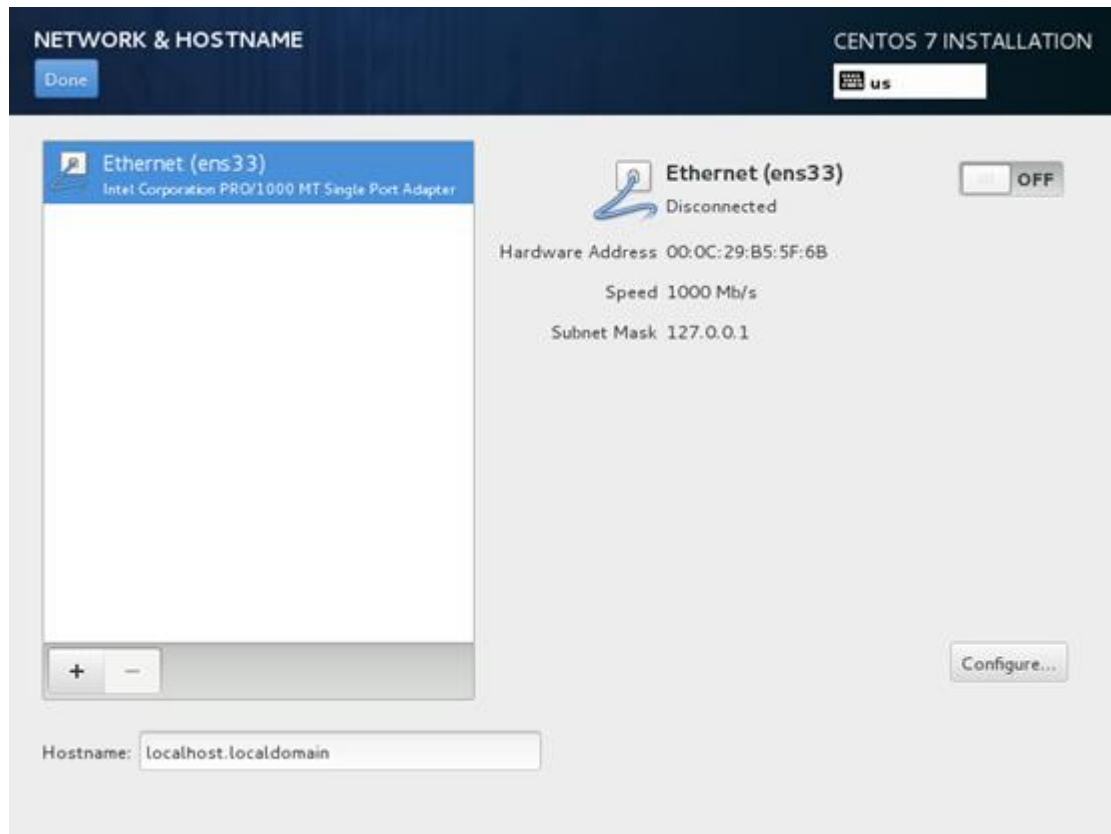


分区完成后，选择 Done 确认，弹出的对话框中选择 Accept Changes ，如下图：



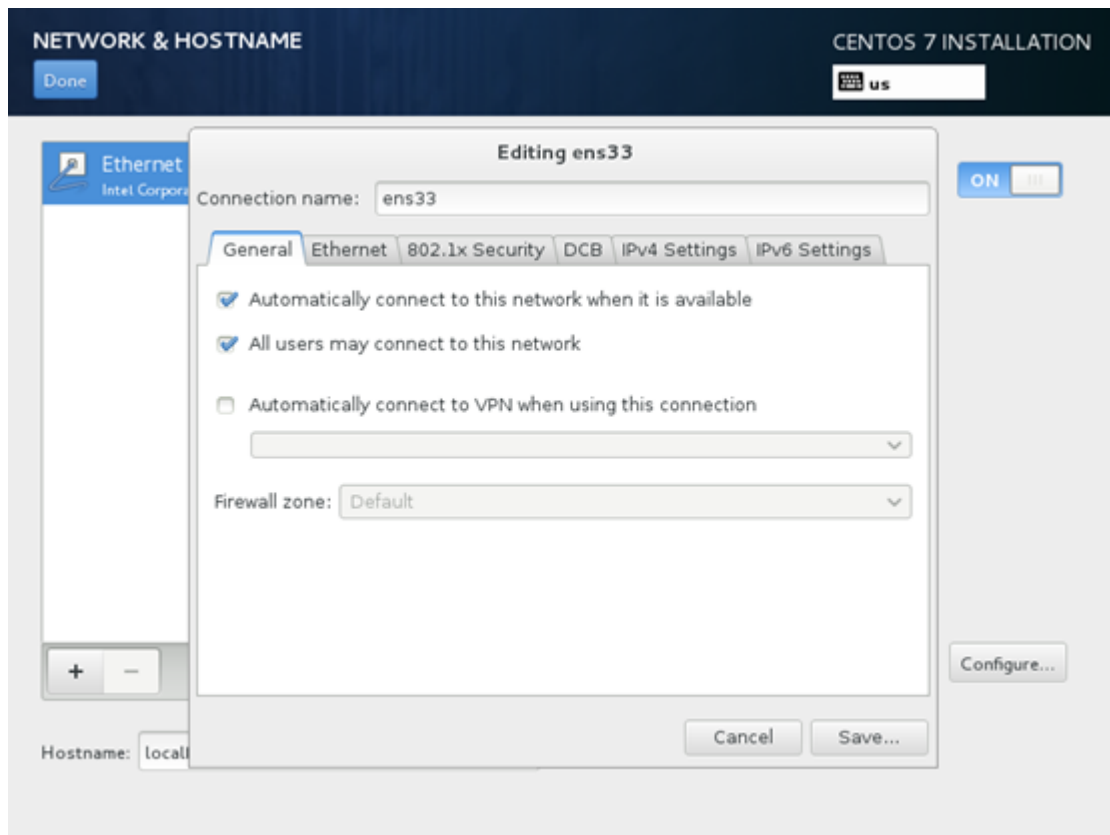
### 13, 网络配置

主要是打开网卡，设置 hostname。如下图：

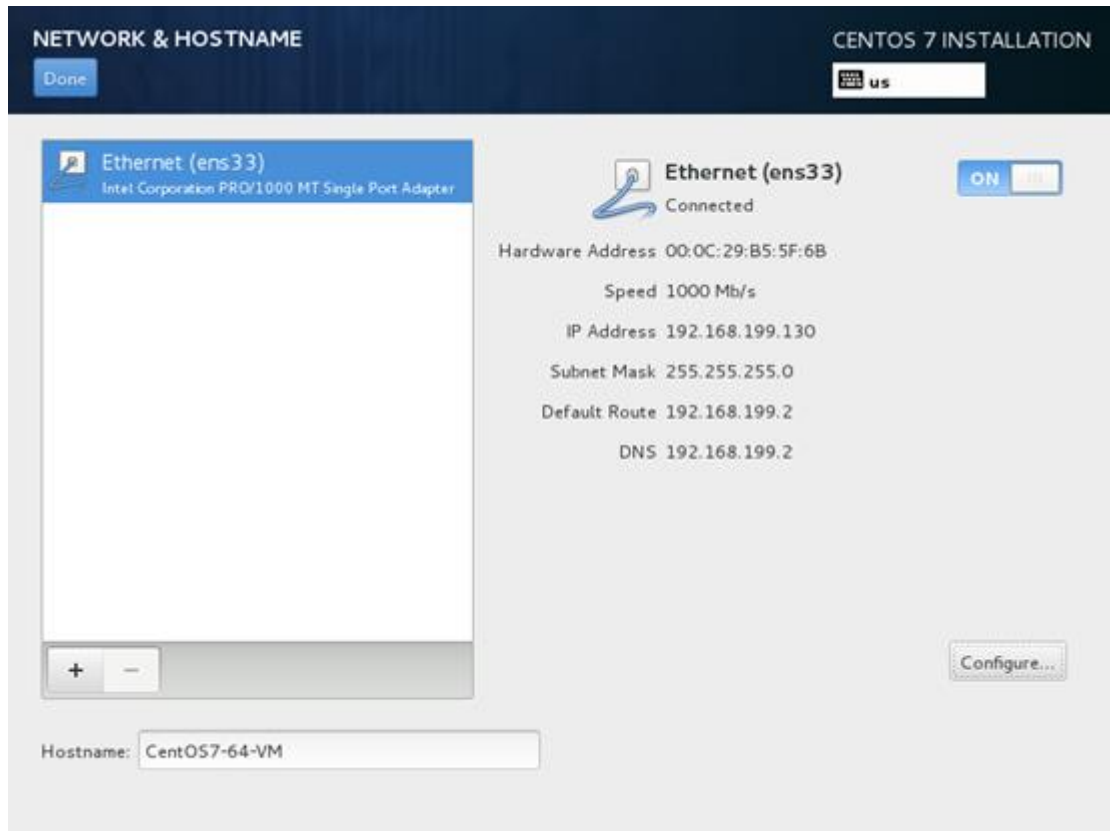


选择 Configure ,





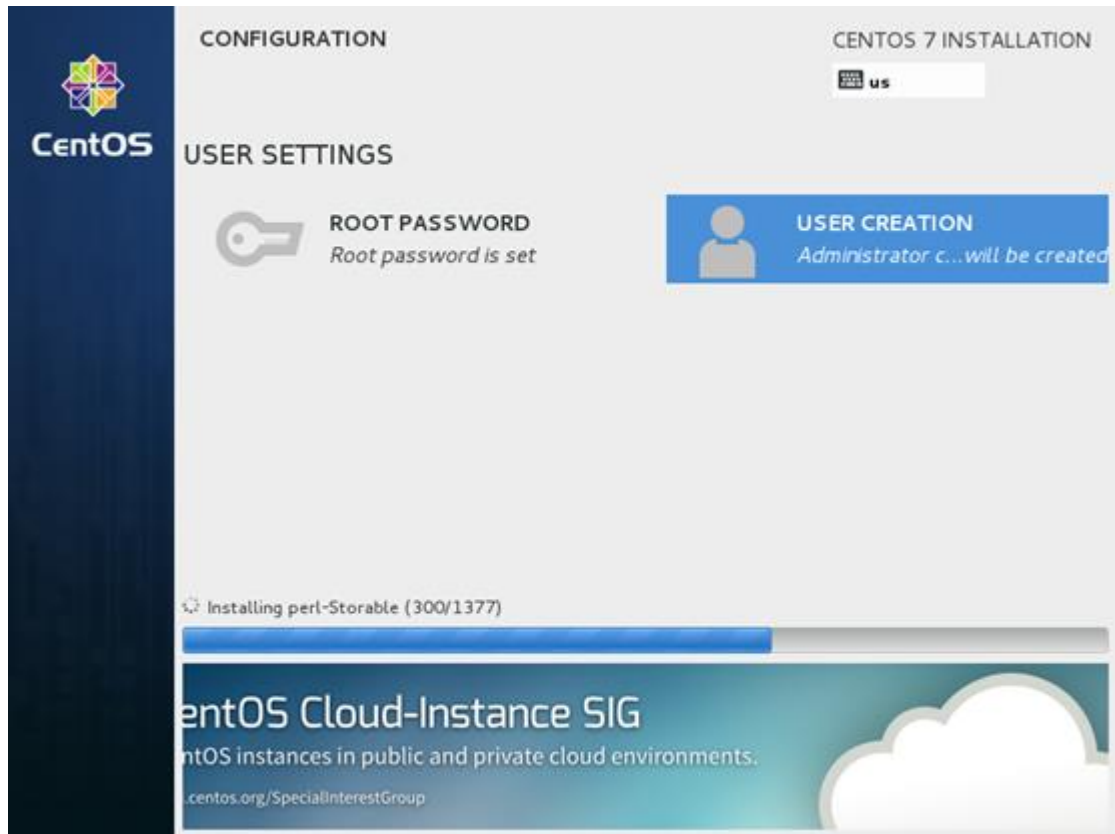
确认后，并写入 Hostname，按 Done 返回，如下图



## 14，进入正式安装

完成以上几步，基本配置已经完成。此时安装配置主界面中的 **Begin installation** 按钮将可选，点击按钮。

进入安装界面时，可以看见用户设置项，没有完成安装前，可以再次配置用户设置。如下图：



## 15, 选择 ROOT PASSWORD 设置 root 账户密码

密码过短或简单，需要按两次 Done 才能设置完成。如下图：

ROOT PASSWORD

CENTOS 7 INSTALLATION

Done


us

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

Root Password:

Weak

Confirm:

 The password you have provided is weak: The password is shorter than 8 characters. You will have to press Done twice to confirm it.

## 16, 选择 **USER CREATION** 创建新账户

输入用户名和密码，具体配置如下：

CREATE USER

Done

CENTOS 7 INSTALLATION

us

Full name

Username

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

☒ Make this user administrator

☒ Require a password to use this account

Password


\*\*\*\*\*

Weak

Confirm password

\*\*\*\*\*

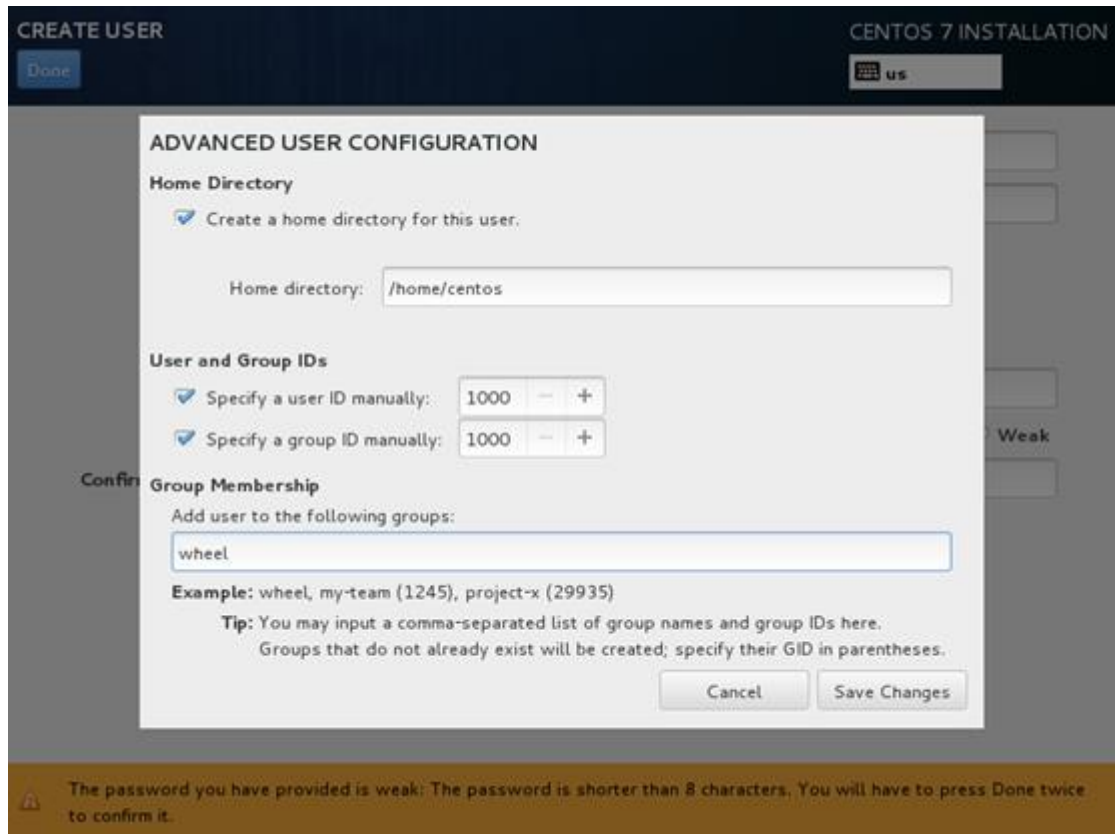
Advanced...



The password you have provided is weak: The password is shorter than 8 characters. You will have to press Done twice to confirm it.

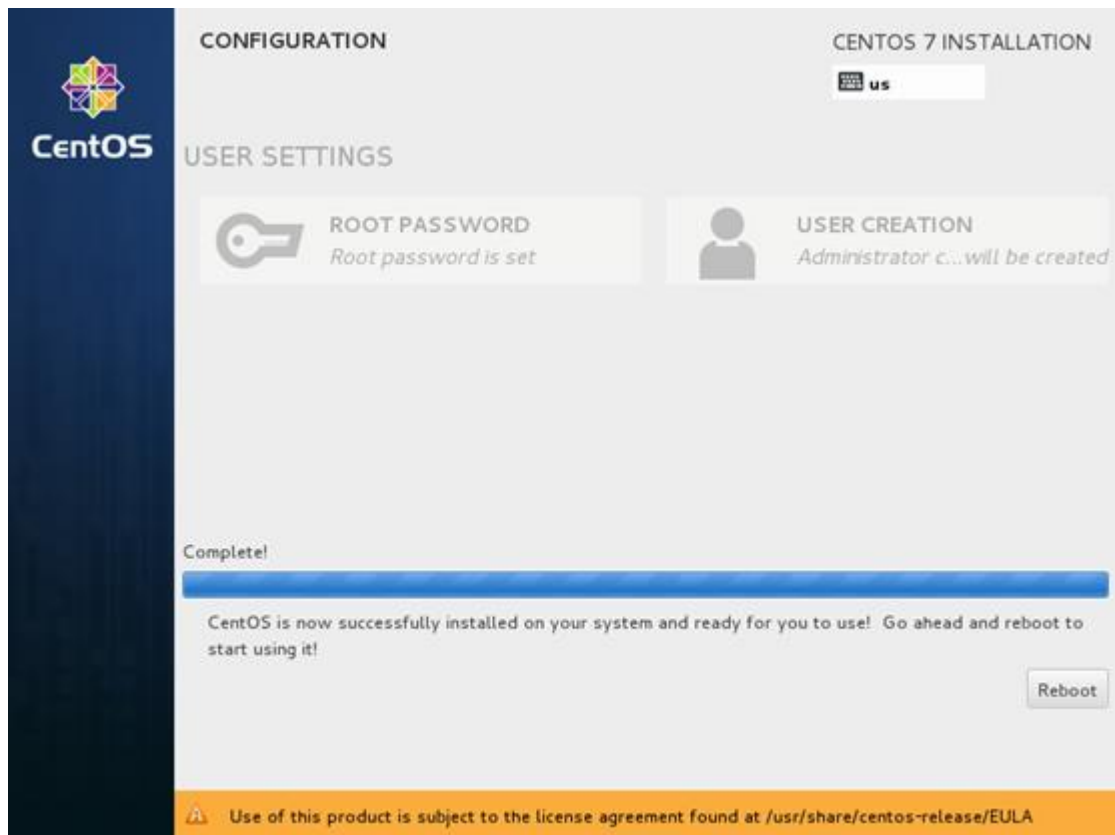
点击 Advanced 按钮，进入高级设置。本文手动设置了用户 id 号（1000）和组 id 号（1000），centos 默认 id 好像是从 500 开始的。

对于 Group Membership 项目，本文设置的是“账户名（1000）”，例如，centos(1000) 。如下图：

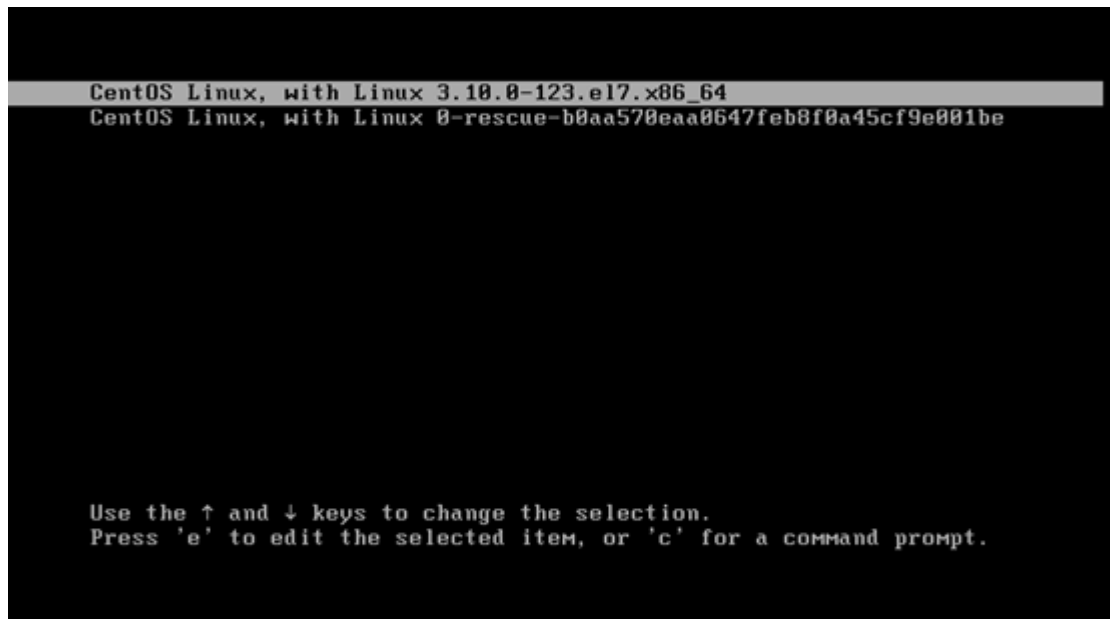


按 **Save Changes** 保存配置，注意，返回后，**Make this user Administrator** 前的勾可能会被自动去掉。

17，完成安装，按 **reboot** 重启



18, 重启后, 选择系统



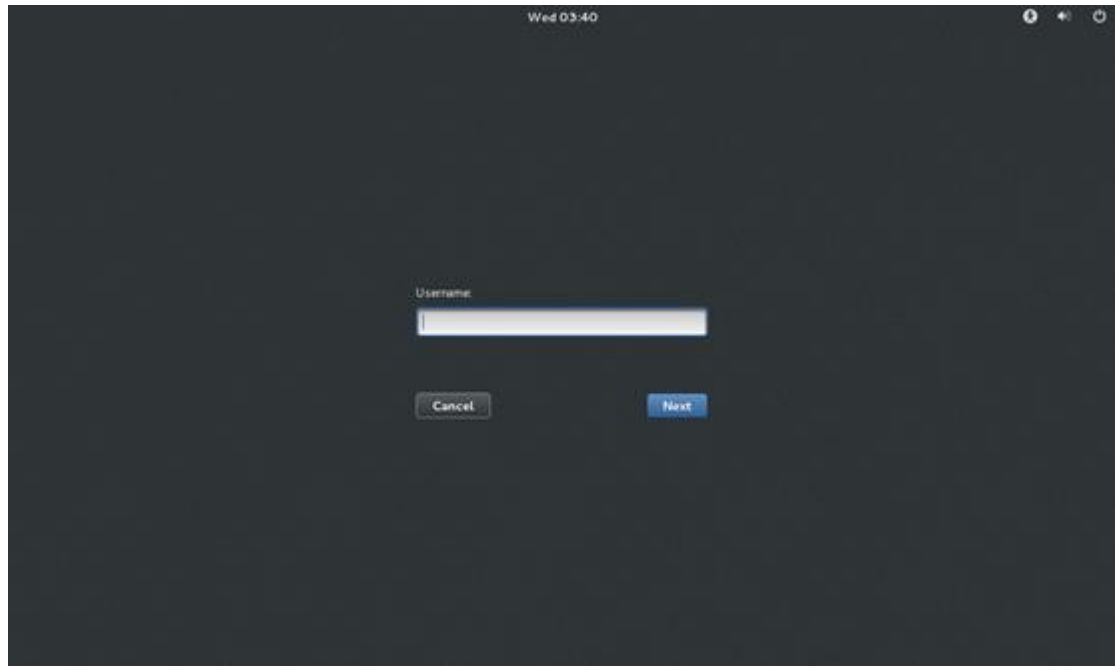
19, 进入 kdump 设置界面, 本文不启动, 将勾去掉, 按下一步继续。



点击 yes 确认。



20, 结束。



Wed 03:40

Username

Cancel Next