

# CLI Instructions

## Guide to a Headless Linux Install

Create a new VM Machine (Look at the instructions for the GUI if you forgot how)

- Name: yourname-CLI
- RAM: 1024
- CPU: 1
- HD: 16G
- VLAN: assigned to you

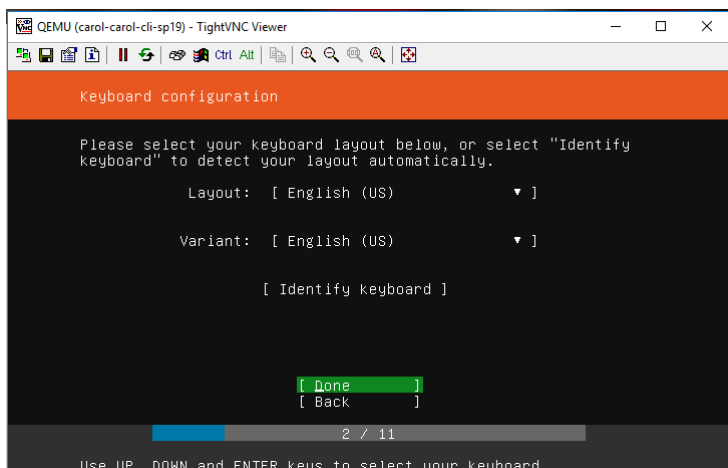
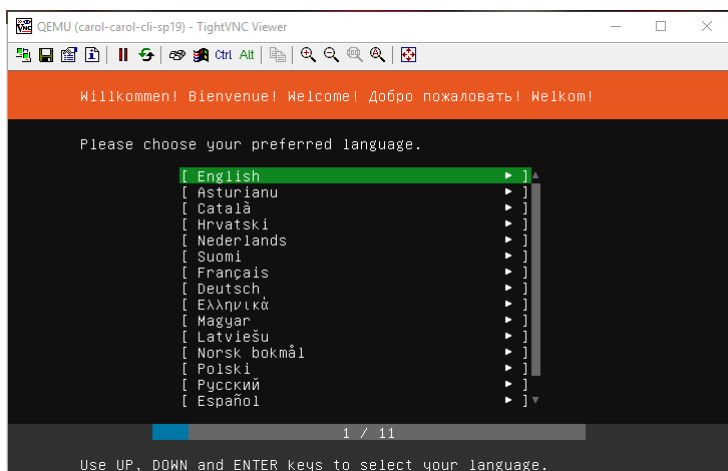
Booting your machine

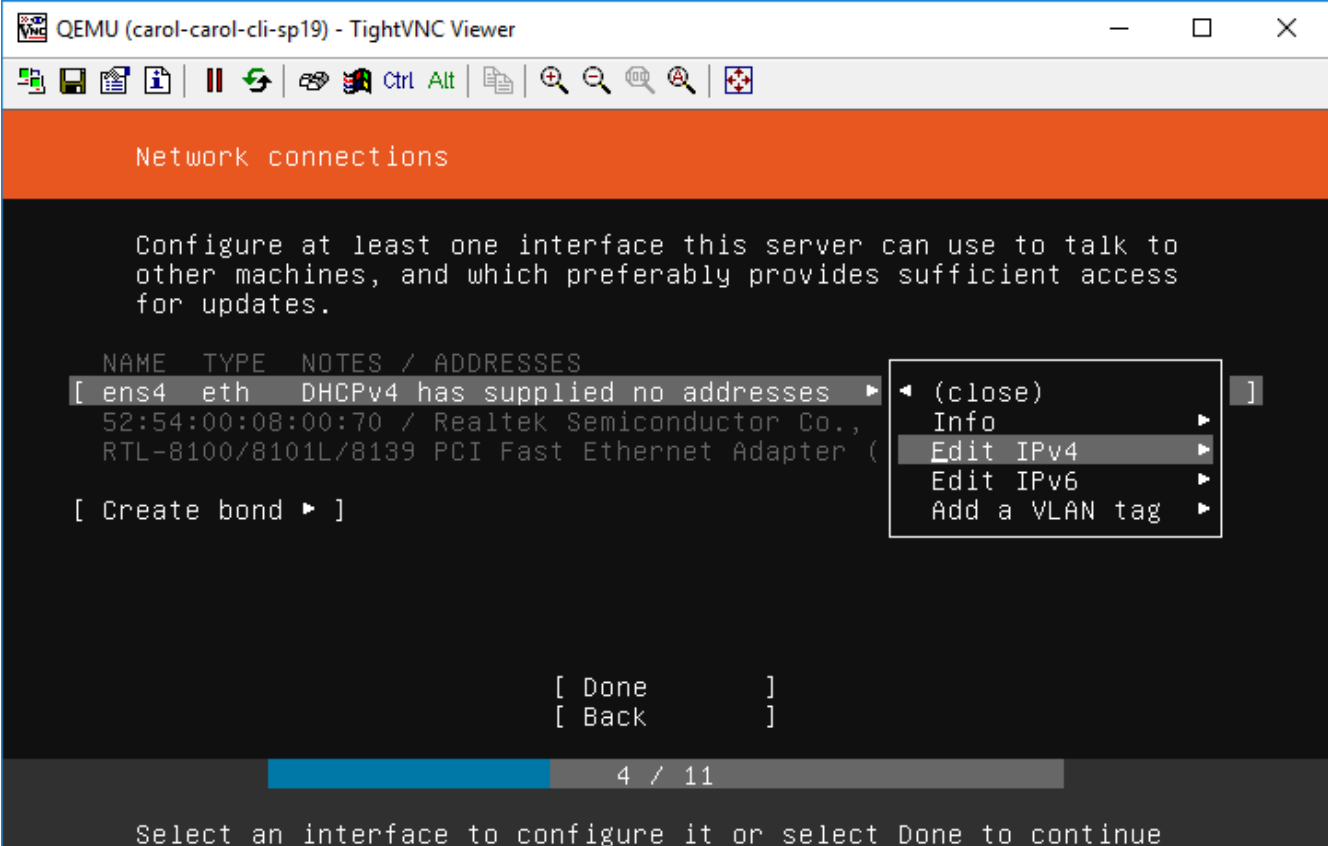
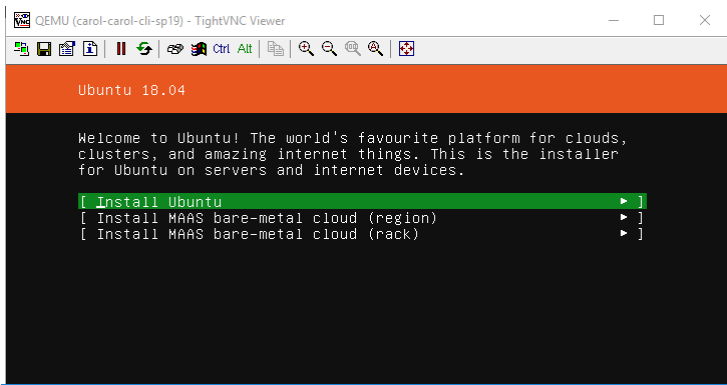
- Boot: D Drive
- Image: bionic\_server

Note the VNC:Port of your new machine and have your VM Worksheet with the IP nums available.

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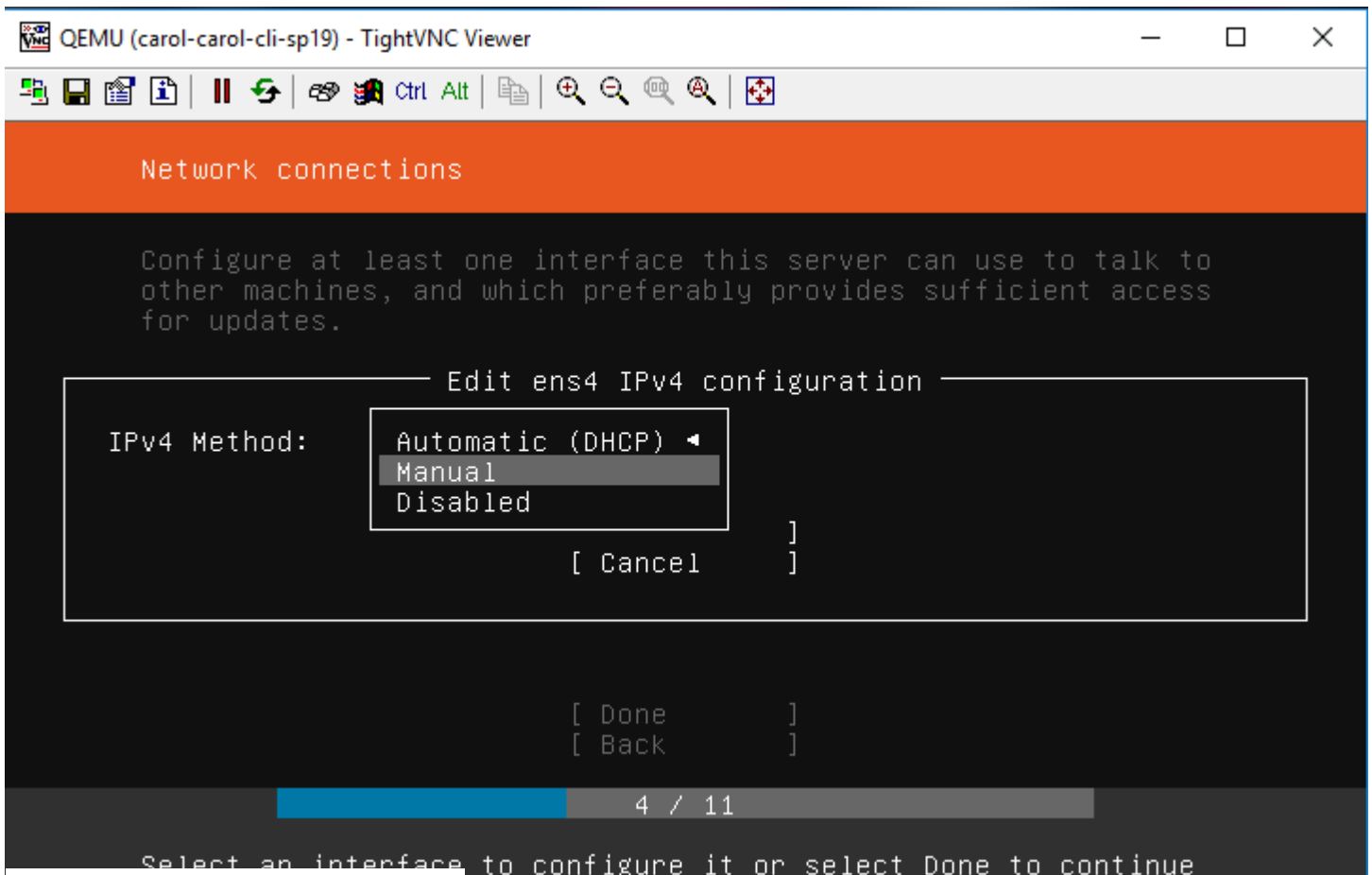
Remember that this is keyboard based – your mouse will not work.  
Use tab and/or arrow keys to navigate and ENTER to select.





VERY

**IMPORTANT – Do not automatically choose Done. You must arrow up and choose ens4 and then press enter to get the little box that allows you to choose ‘Edit IPv4’. If you missed this note, you can use “Back” to get back to screen 4.**



IP's:  
**144.38.218.8 – 144.38.218.15**  
VLAN:  
**3066**  
Gateway: (Starting IP + 1)  
**144.38.218.9**

Subnet: (256 – 8 (IP's) = 248)  
**255.255.255.248**  
Broadcast: (Last IP in range)  
**144.38.218.15**

Usable IP's: (First = Starting IP + 2)  
1. **144.38.218.10**  
2. **144.38.218.11 (bionic desktop)**  
3. **144.38.218.12**  
4. **144.38.218.13**  
5. **144.38.218.14**

DNS Servers  
144.38.192.2, 144.38.192.3

Search domains:  
it1100.cs.dixie.edu

**You must enter the information manually. The subnet is different than on the GUI install. It is in CIDR notation. That means that it will take your first IP address and then add /29 to the end.**

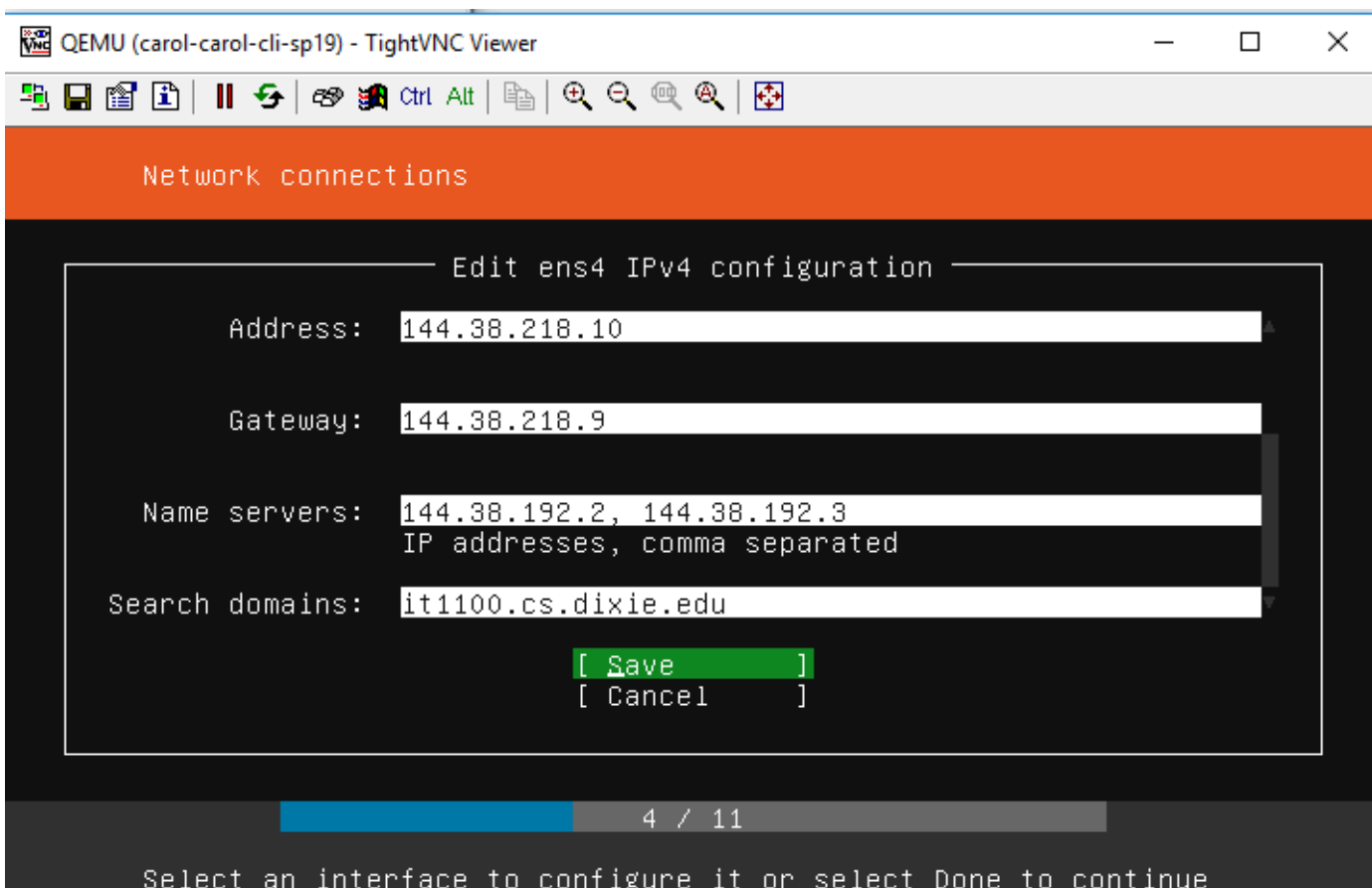
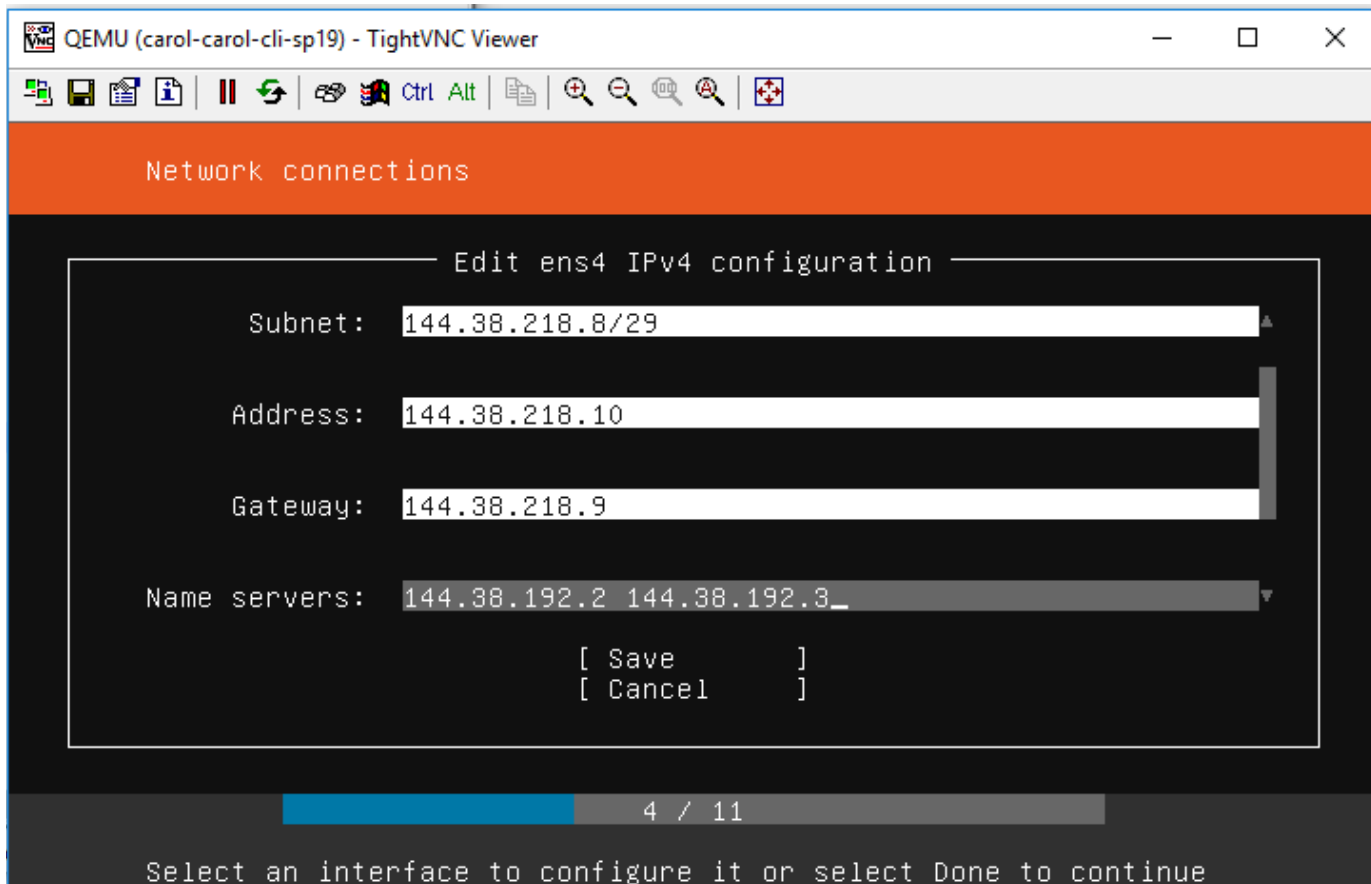
**Subnet: 144.38.218.8/29**

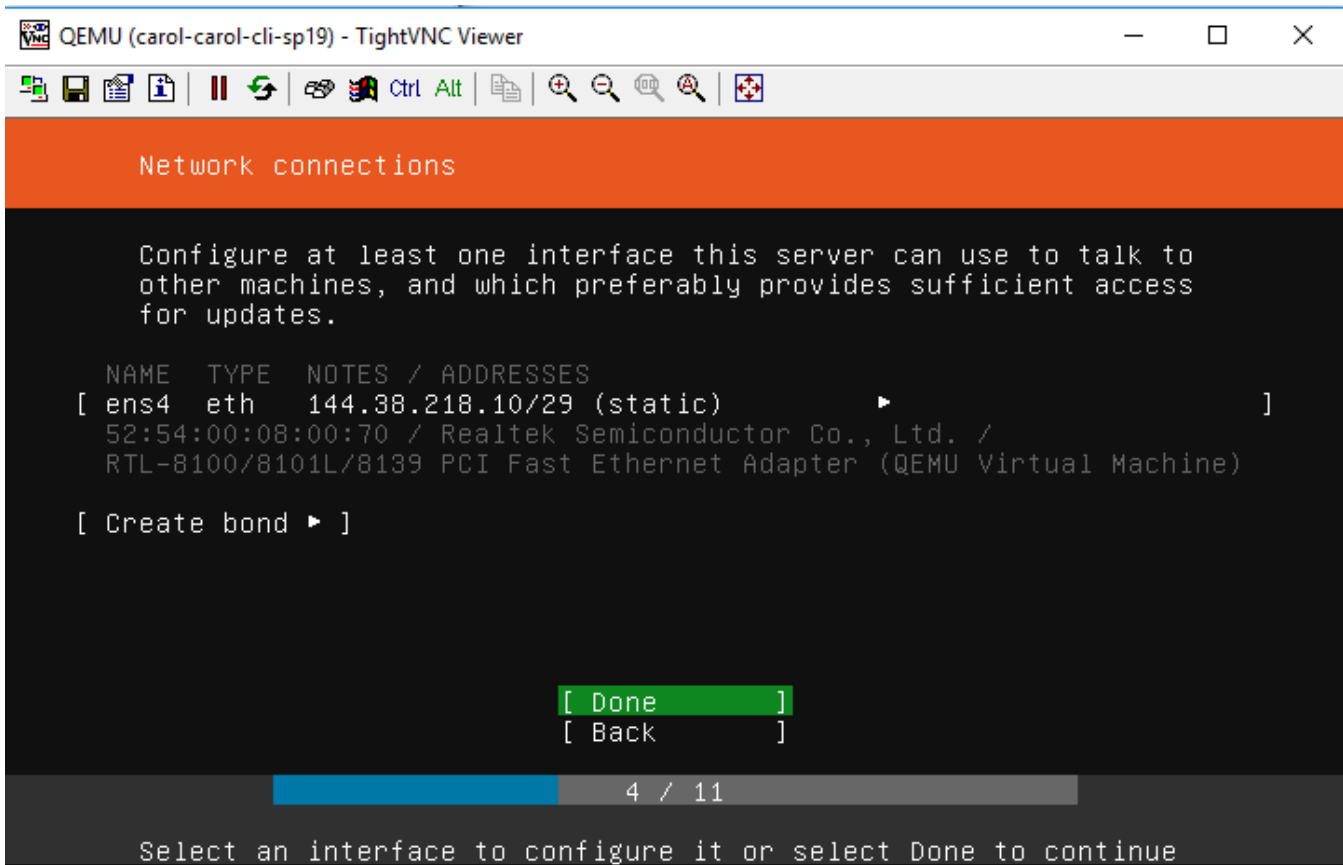
**Address: 144.38.218.10**

(One of your 5 usable addresses)

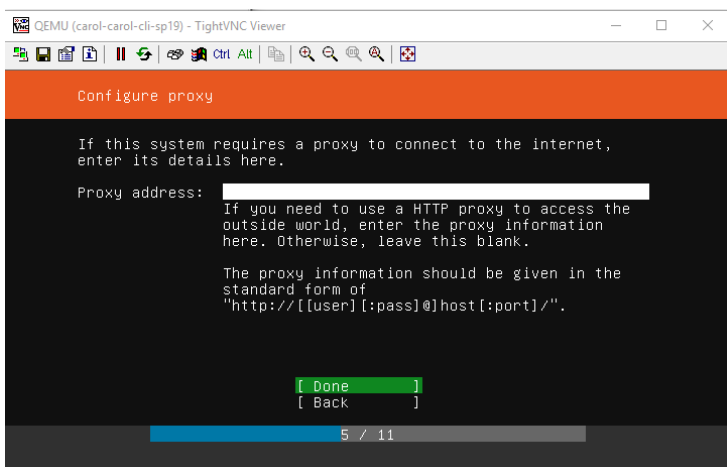
**Name servers: 144.38.192.2,  
144.38.192.3**

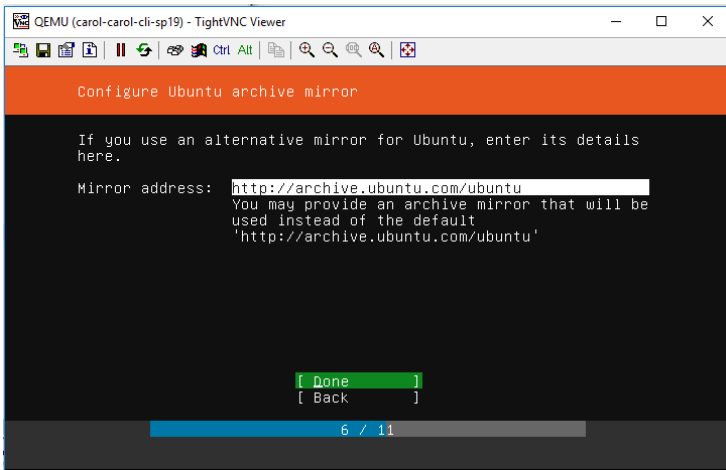
**Search domains: it1100.cs.dixie.edu**



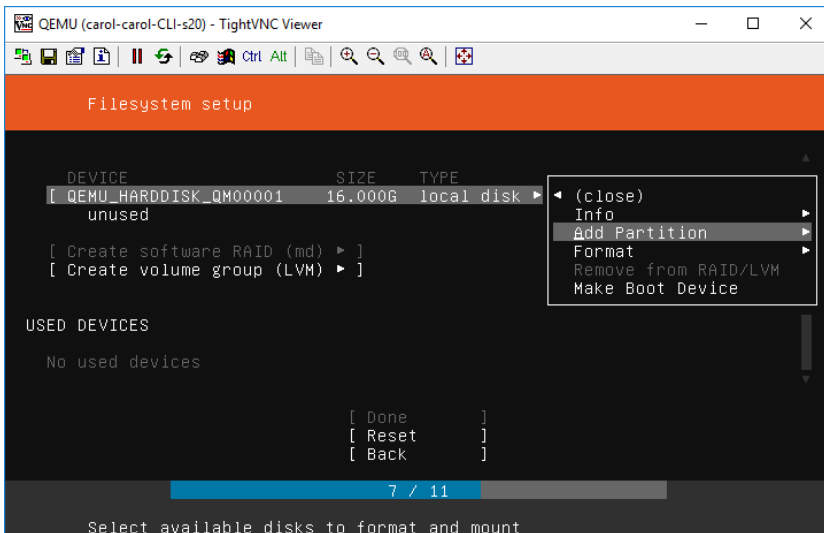
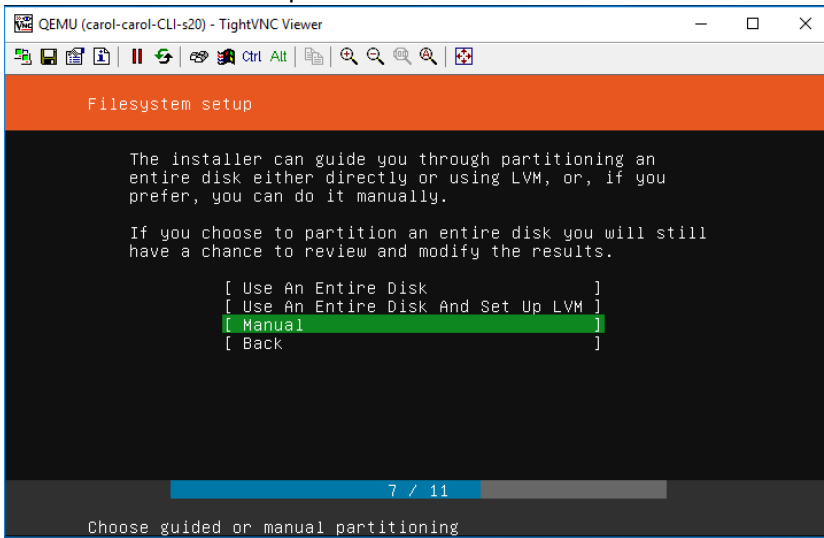


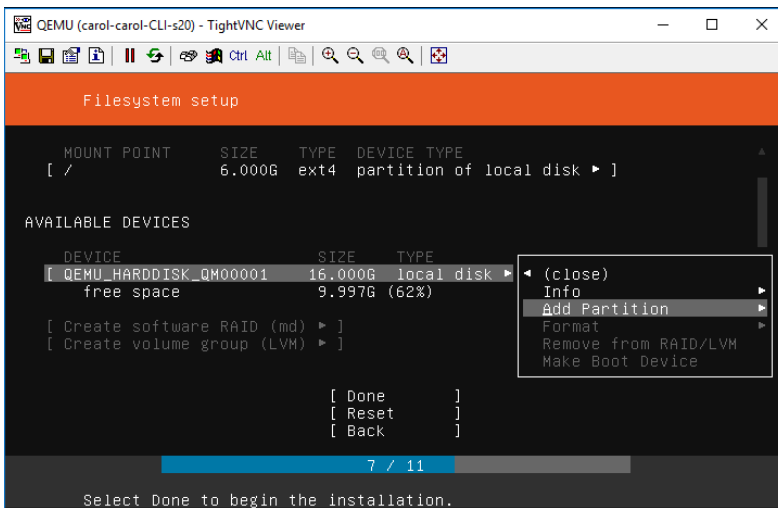
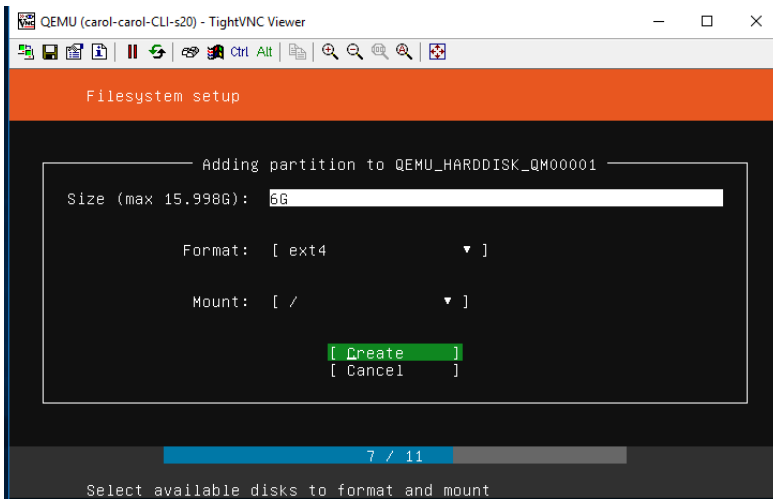
Don't need to enter a Proxy address



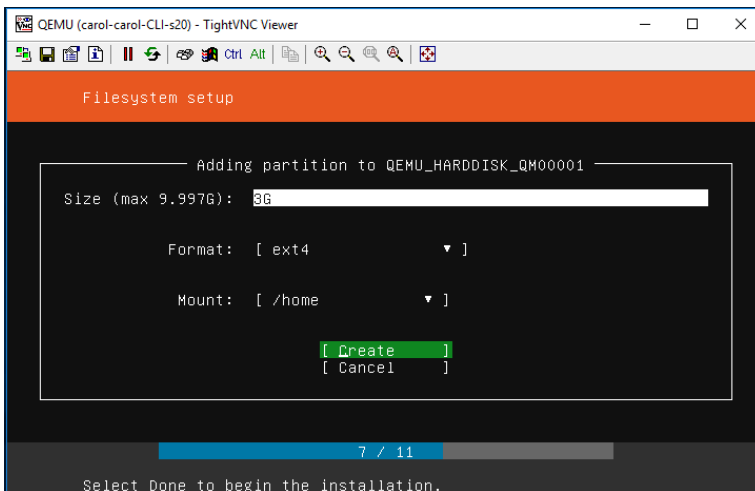


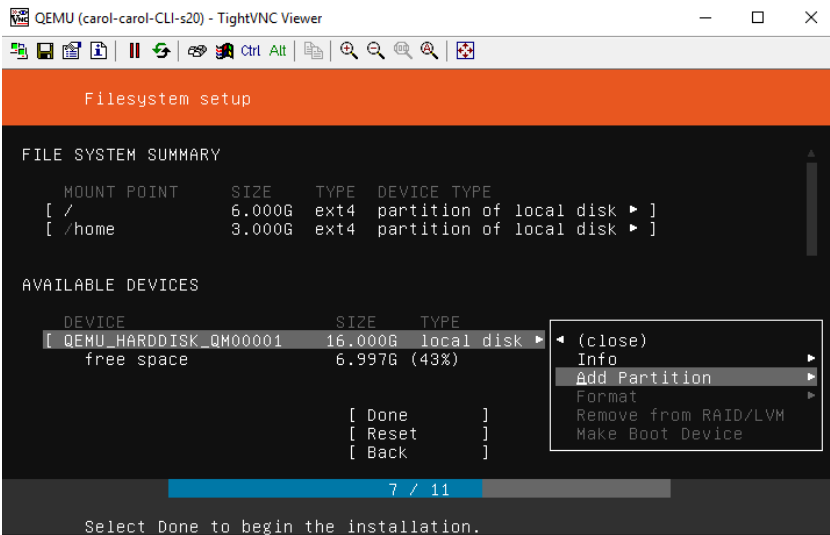
We will create our own partitions.



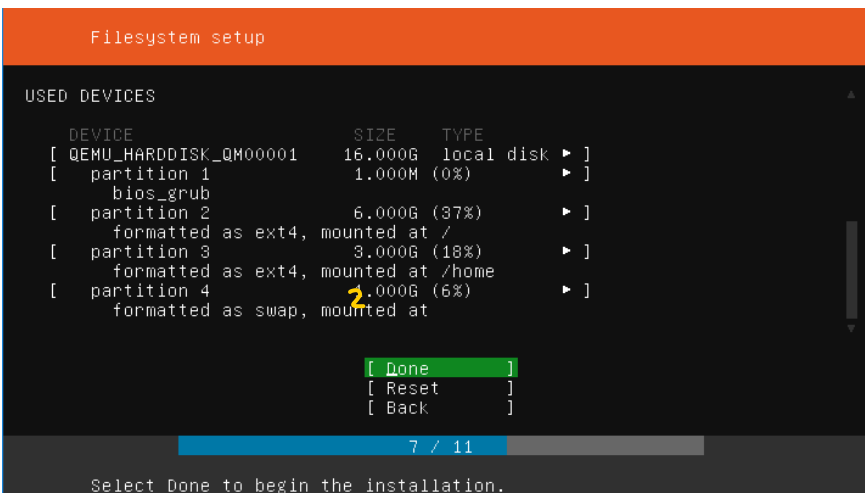
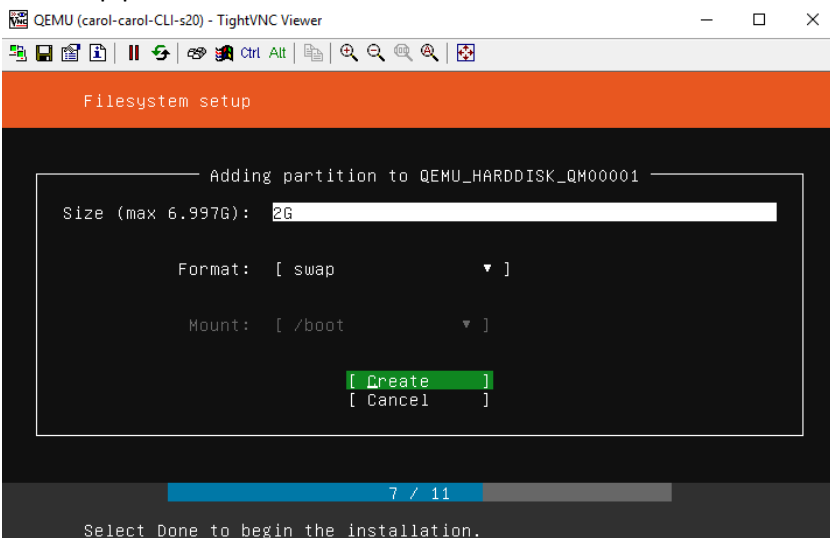


Make sure to mount this on /home.



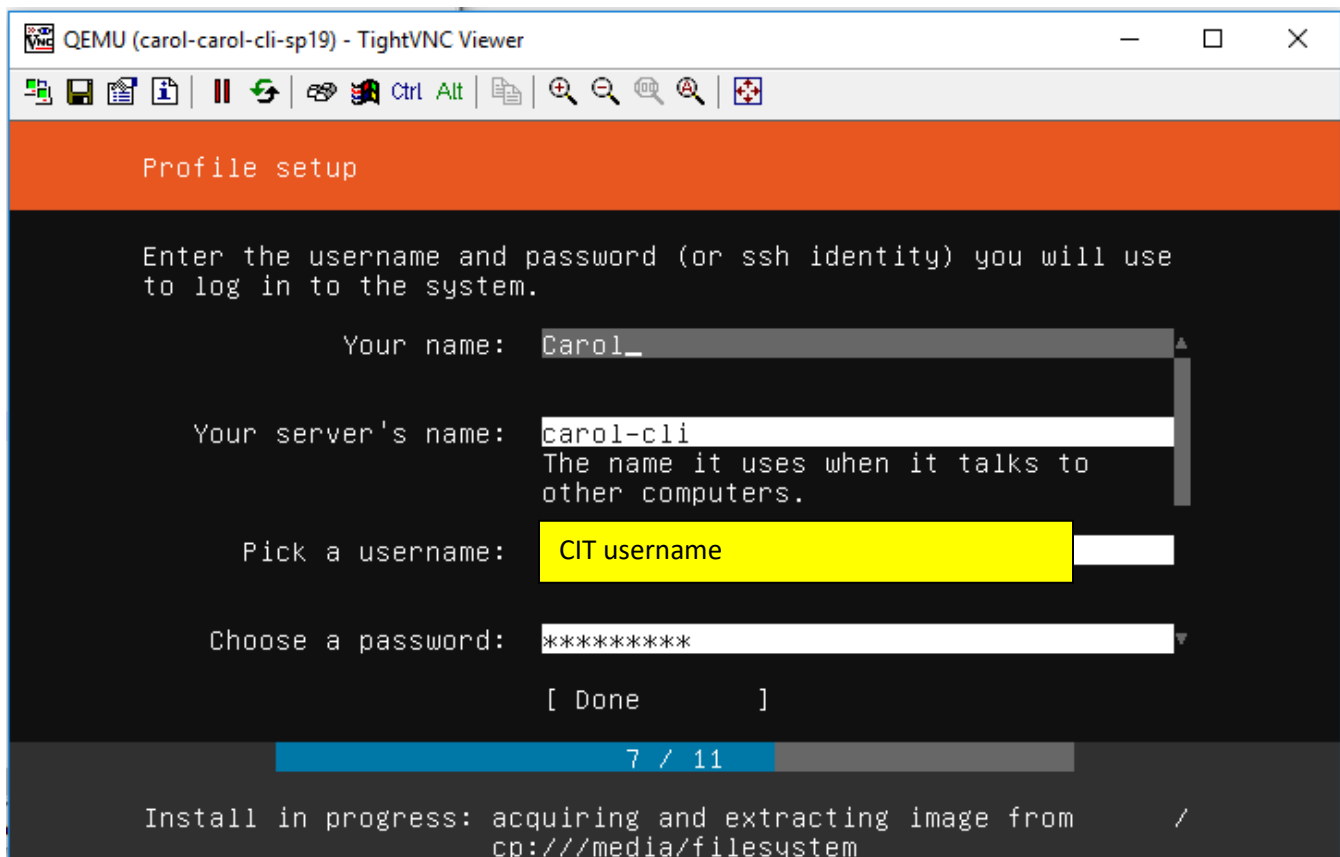
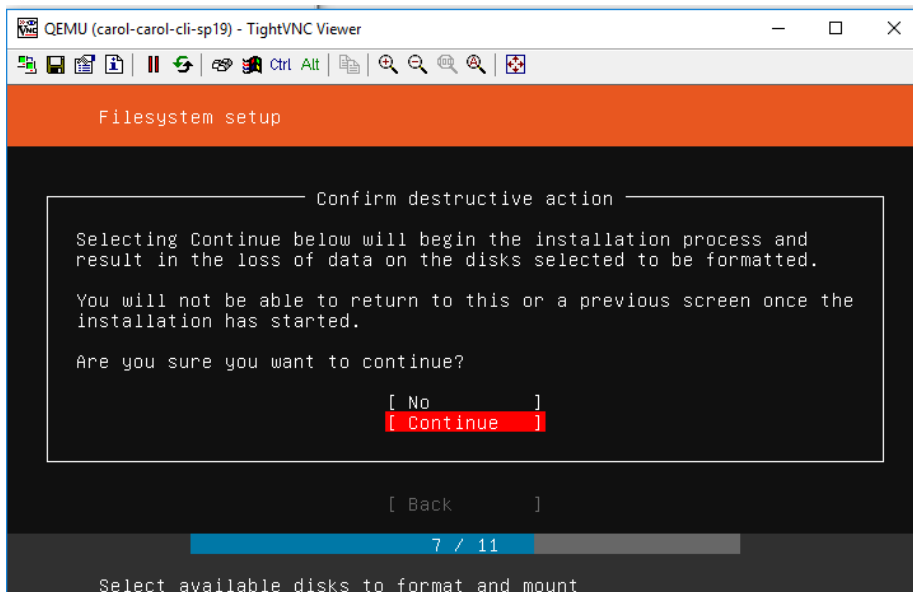


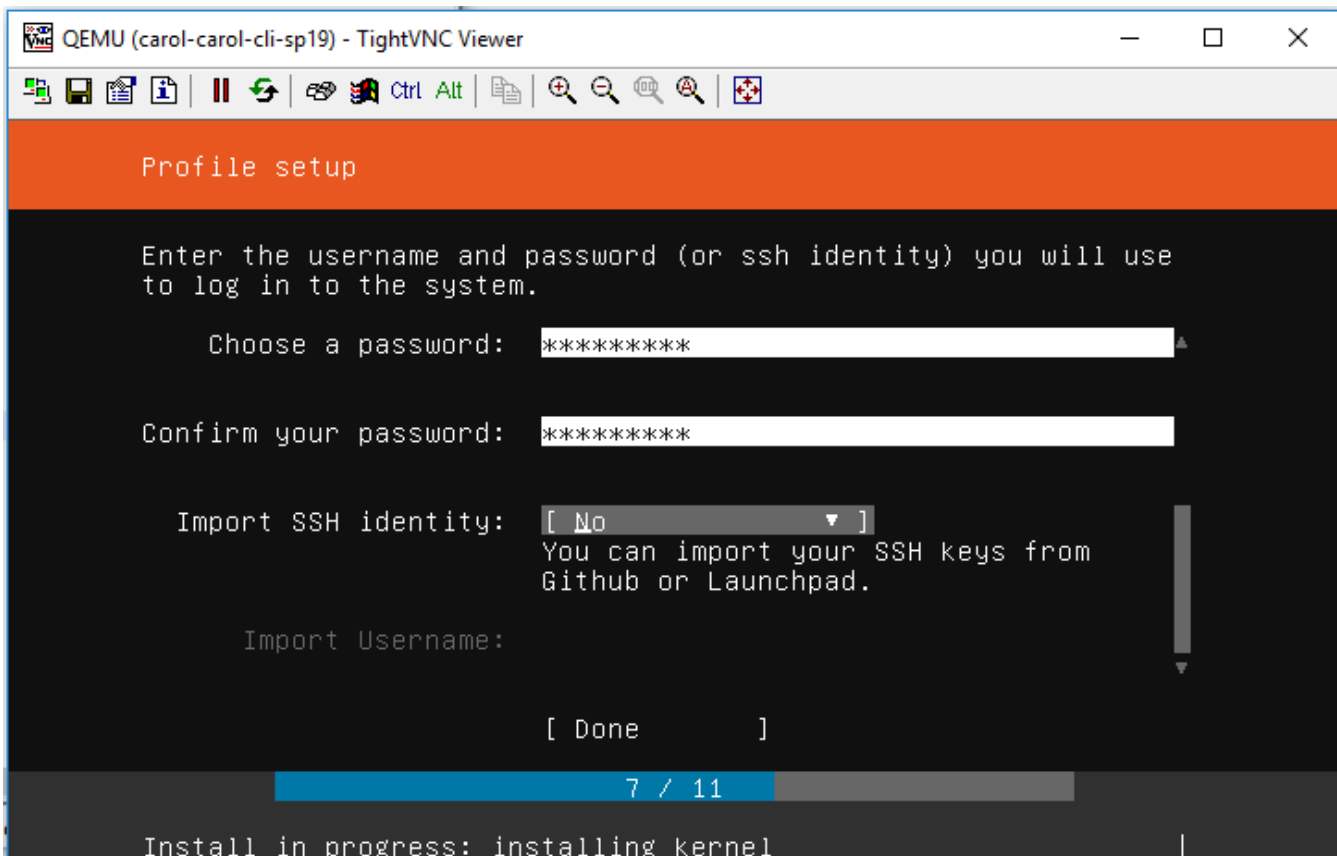
The swap partition should be 2X the RAM



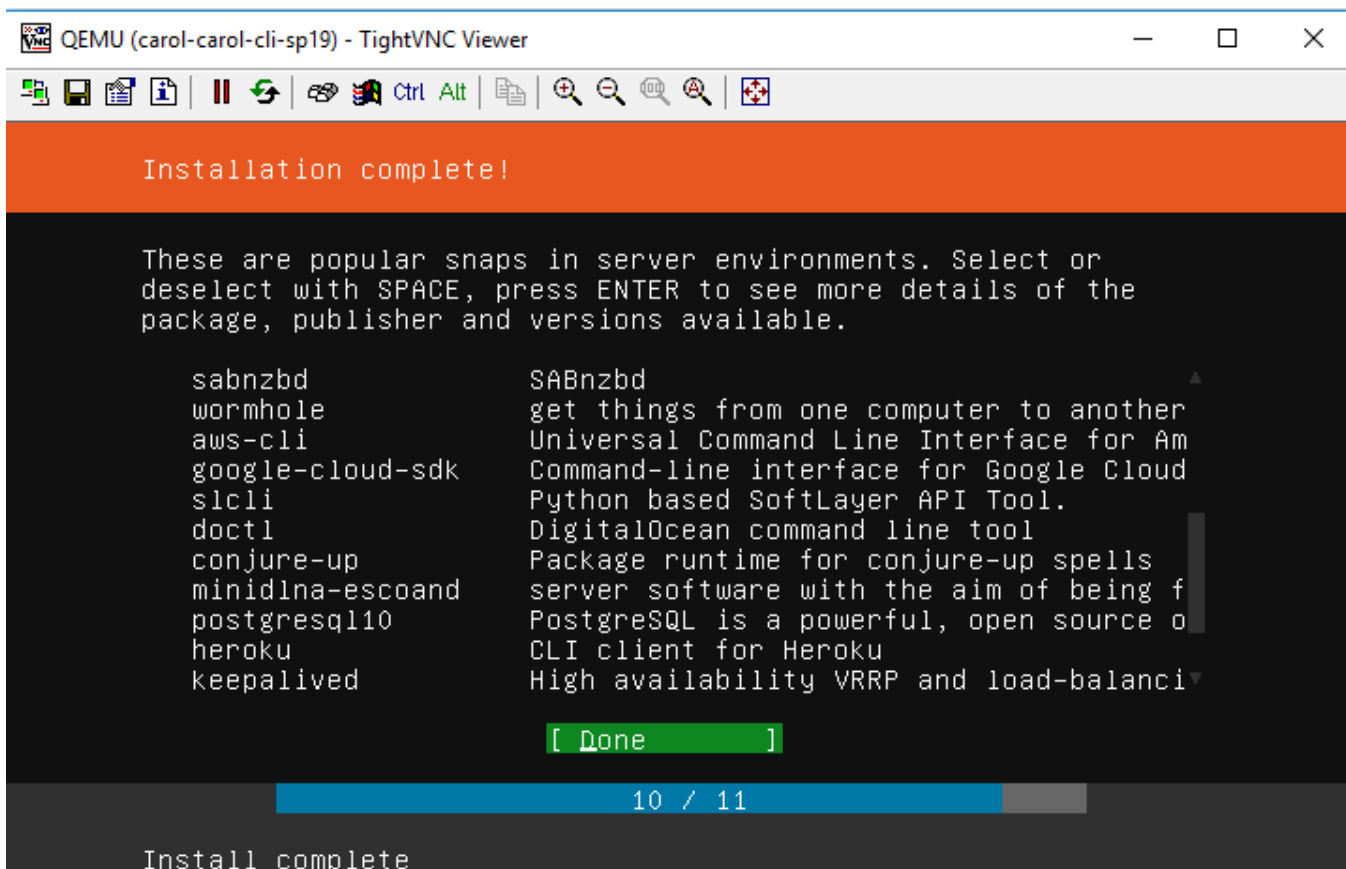


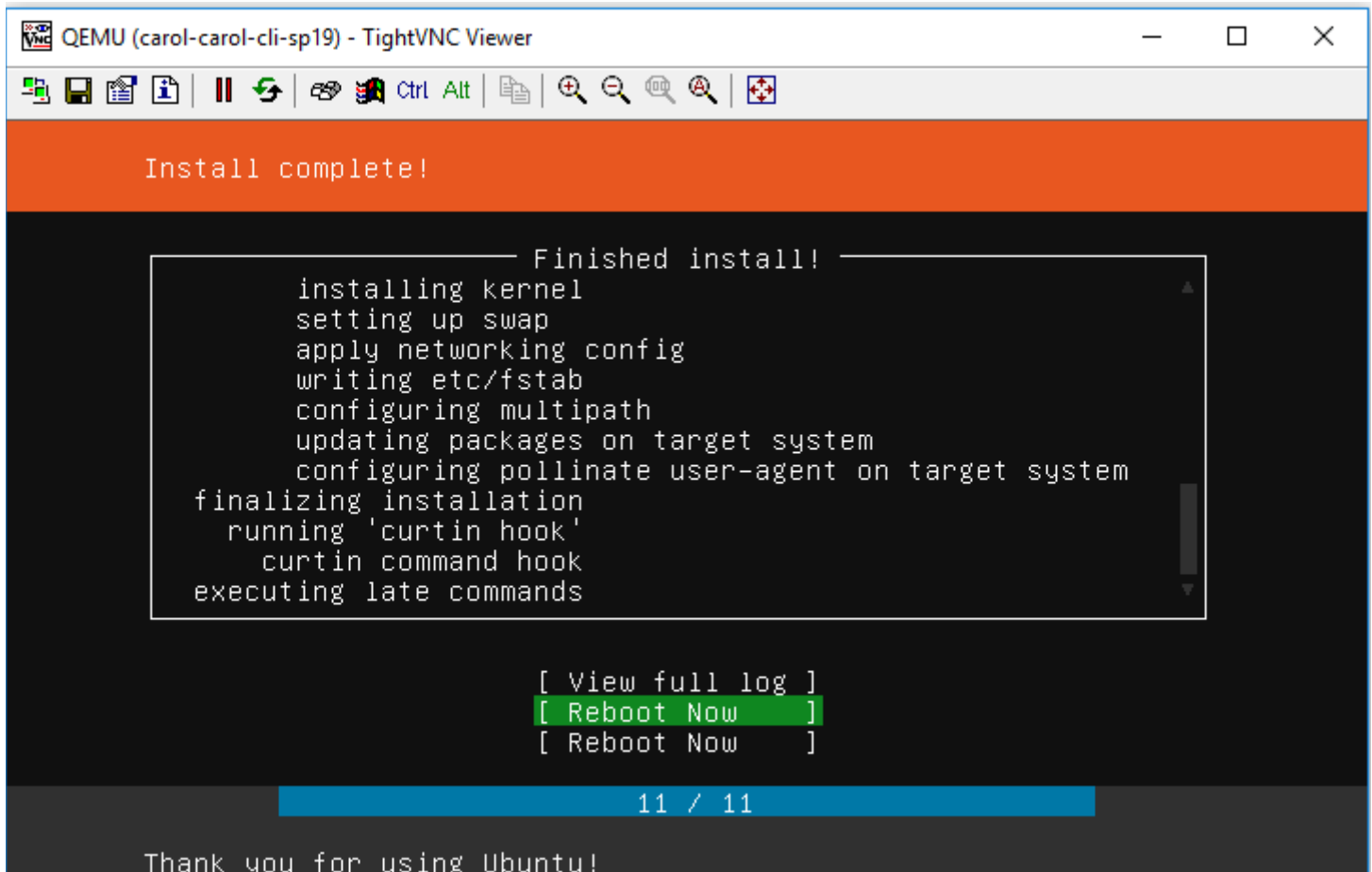
We do want to set up the hard drive so “Continue”





Don't choose any of the snaps.





You must turn your machine off manually and then turn it back on booting off the c drive.  
Check your machine:port so that you can get back in.

This completes part I of assignment 7. There is much more you need to do. Please refer to the instructions for assignment 7 here: <http://cit.dixie.edu/it/1100/projects.examples/lab7.php>