CLI Instructions

Guide to a Headless Linux Install

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

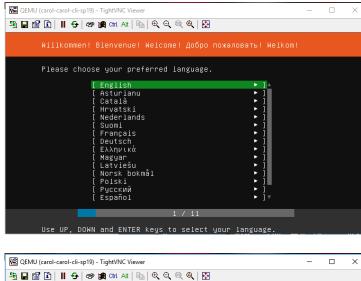
- Name: yourname-CLI
- RAM: 1024
- CPU: 1
- HD: 16G
- VLAN: assigned to you

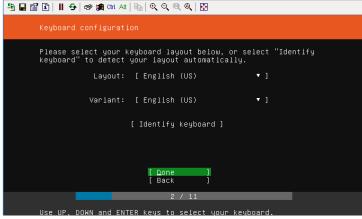
Booting your machine

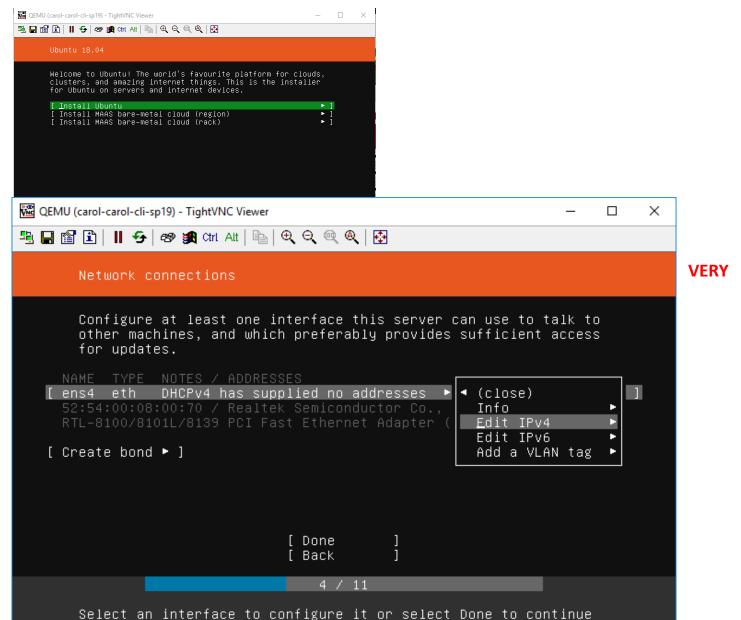
- Boot: D Drive
- Image: bionic_server

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

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

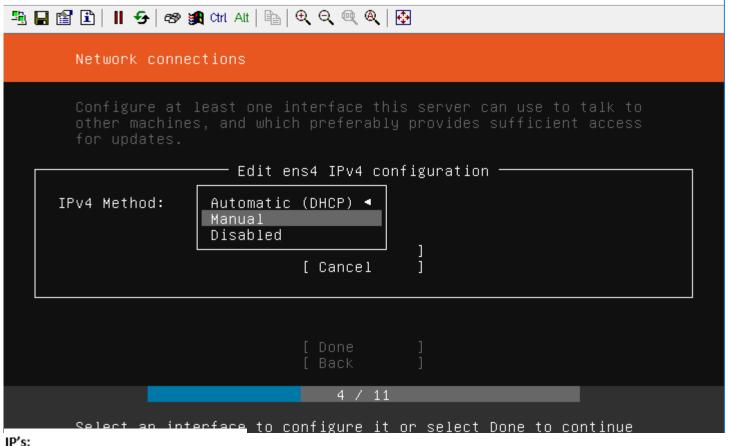






IMPORTANT – Do not automatically choose Done. You must arrow up and choose ens4 and then press enter to get the little box that allows you to choose 'Edit IPv4'. If you missed this note, you can use "Back" to get back to screen 4.

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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 = <u>Starting IP + 2</u>) 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

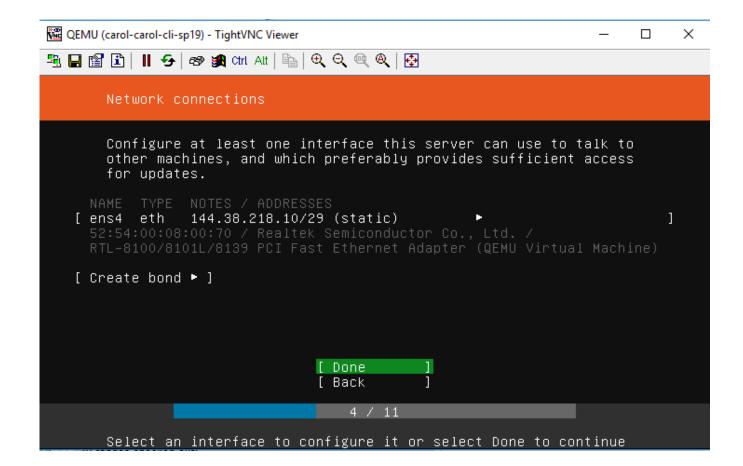
You must enter the information manually. The subnet is different than on the GUI install. It is in CIDR notation. That means that it will take your first IP address and then add /29 to the end.

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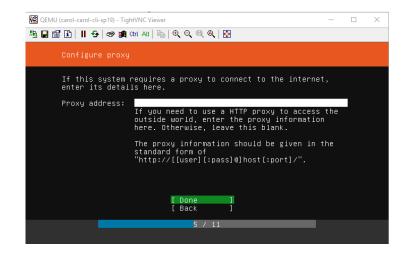
Subnet: 144.38.218.8/29 Address: 144.38.218.10 (One of your 5 usable addresses) Name servers: 144.38.192.2, 144.38.192.3 Search domains: it1100.cs.dixie.edu

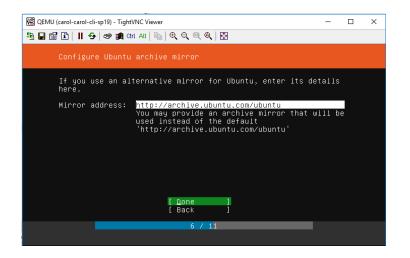
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Network connections		
Edit ens4 IPv4 configuration ——————————		7
Subnet: 144.38.218.8/29	*	
Address: 144.38.218.10	1	
Gateway: 144.38.218.9	1	
Name servers: 144.38.192.2 144.38.192.3_	I.	
[Save] [Cancel]		
4 / 11		
Select an interface to configure it or select Done to continue		

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Network connections		
Edit ens4 IPv4 configuration ————————————————————————————————————		
Address: 144.38.218.10	*	
Gateway: 144.38.218.9		
Name servers: 144.38.192.2, 144.38.192.3 IP addresses, comma separated		
Search domains: it1100.cs.dixie.edu		
[<u>S</u> ave] [Cancel]		
4 / 11		
Select an interface to configure it or select Done to continue		

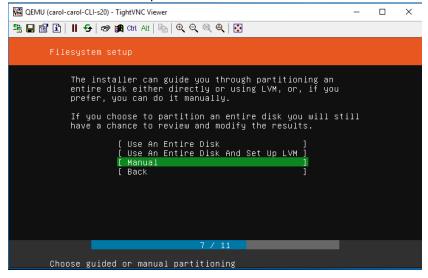


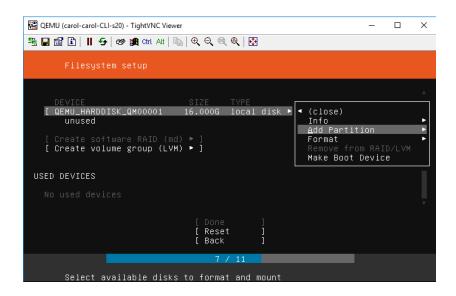
Don't need to enter a Proxy address

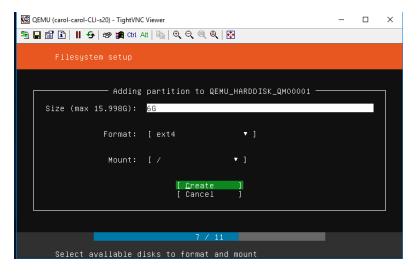


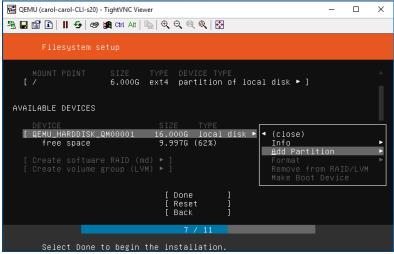


We will create our own partitions.

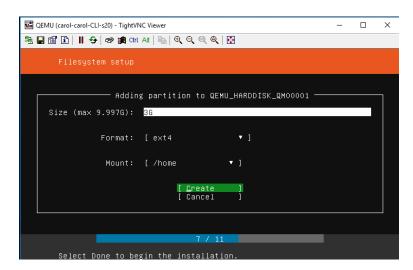








Make sure to mount this on /home.



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Filesystem setup		
FILE SYSTEM SUMMARY		4
MOUNT POINT SIZE [/ 6.000G [/home 3.000G	a ext4 partition of local disk ▶]	
AVAILABLE DEVICES		
DEVICE [QEMU_HARDDISK_QM00001 free space	SIZE TYPE 16.000G local disk • (close) 6.997G (43%) Add Partition Format	
	[Done] Remove from RAID/LVM [Reset] Make Boot Device [Back]	
	7 / 11	
Select Done to begin	n the installation.	

The swap partition should be 2X the RAM

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Filesystem setup		
Adding partition to QEMU_HARDDISK_QM00001 —— Size (max 6.997G): <mark>2G</mark>		
Format: [swap ▼]		
Mount: [∕boot ▼]		
[Create] [Cancel]		
Select Done to begin the installation.		

Filesystem setup	
USED DEVICES	
[partition 1 bios_grub [partition 2 formatted as ext4, r [partition 3 formatted as ext4, r	3.000G (18%) ▶] mounted at /home ∳.000G (6%) ▶]
	[<u>D</u> one] [Reset] [Back]
	7 / 11
Select Done to begin †	the installation.

We do want to set up the hard drive so "Continue"

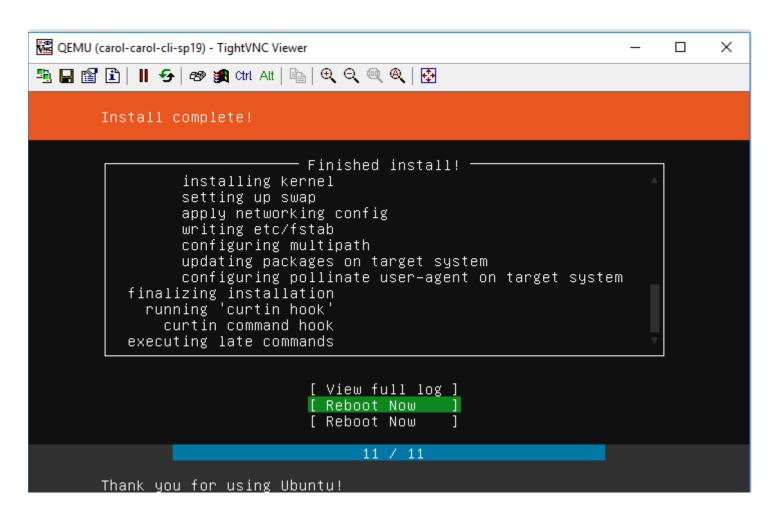
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Filesystem setup		
Confirm destructive action		
Selecting Continue below will begin the installation process and result in the loss of data on the disks selected to be formatted.		
You will not be able to return to this or a previous screen once t installation has started.	he	
Are you sure you want to continue?		
[No] [Continue]		
[Back]		
7 / 11		
Select available disks to format and mount		

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Profile setup		
Enter the username and password (or ssh identity) you will us to log in to the system.	e	
Your name: Carol_	4	
Your server's name: <mark>carol–cli</mark> The name it uses when it talks to other computers.	ł	
Pick a username: <mark>CITusername</mark>		
Choose a password: <mark>*******</mark> [Done]	Ŧ	
Install in progress: acquiring and extracting image from cp:///media/filesystem	/	

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Profile setup		
Enter the username and password (or ssh identity) you will u to log in to the system.	se	
Choose a password: <mark>****</mark> ***		
Confirm your password: <mark>****</mark> ***		
Import SSH identity: <mark>[No ▼]</mark> You can import your SSH keys from Github or Launchpad.		
Import Username:	ļ	
[Done]		
7 / 11		
Install in progress: installing kernel		

Don't choose any of the snaps.

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Installation complete!			
	in server environments. Select or ess ENTER to see more details of t versions available.		
wormhole aws-cli google-cloud-sdk slcli doctl conjure-up minidlna-escoand postgresql10 heroku	SABnzbd get things from one computer to an Universal Command Line Interface f Command-line interface for Google Python based SoftLayer API Tool. DigitalOcean command line tool Package runtime for conjure-up spe server software with the aim of be PostgreSQL is a powerful, open sou CLI client for Heroku High availability VRRP and load-ba	or Am Cloud lls ing f rce o	
	[<u>D</u> one]		
	10 / 11		
Install complete			



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