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.
Configure at least one interface this server can use to talk to other machines, and which preferably provide hi-speed access for updates.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCHP</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

IPv4 Method:

- DHCP
- static
- tunnel
- none

[Create New •]
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 use my numbers, see above or See the GUI install if you don’t remember
Network connections

Configure at least one interface this server can use to talk to other machines, and which preferably provides network access for updates.

- Name: Notes
- Status: Up
- IP: 192.168.10.1

Configuration of internet access:

If this system requires a proxy to connect to the internet, enter its details here.
Proxy address: [Enter proxy address]

Configuration of alternative mirror:

If you use an alternative mirror for software, enter its details here.
Mirror address: [Enter mirror address]
Version 20.10.1 of the installer is now available (20.09.16.10.0.00B16 is currently running). You can read the release notes for each version at:
https://getdeb.com/debian10-release-updates

If you choose to update, the update will be downloaded and the installation will continue from here.

[Update to the new installer]
[Use current version only]

[Image 1: Storage configuration]

Configure a guided storage layout, or create a custom one:

[ ] Use an existing disk
[ ] Create new partitions for root/swap
[ ] Set up this disk as an LVM group
[] Setup the LVM group with LUKS
Passphrase:
[ ] Confirm passphrase:

Q] Custom storage layout

[Image 2: Available devices]

To continue you need to mount a file system on /.

FILE SYSTEM SUMMARY
No files or partitions mounted.

AVAILABLE DEVICES

<table>
<thead>
<tr>
<th>Name</th>
<th>Action</th>
<th>Size</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Create new device]</td>
<td>mount</td>
<td>[Create new device]</td>
<td>[Create new device]</td>
</tr>
</tbody>
</table>

[Image 3: Roots]

No used devices.
[Root]
[Mount]

### File System Summary

<table>
<thead>
<tr>
<th>Device</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disk</td>
<td></td>
<td>10GB</td>
</tr>
<tr>
<td>Swap</td>
<td></td>
<td>2GB</td>
</tr>
</tbody>
</table>

### Available Devices

- **Local Disk 1**: 10GB
- **Local Disk 2**: 2GB

### Storage Configuration

- **Create**
  - Create new device
  - Create new volume group

- **Expand**
  - Grow existing device

- **Shrink**
  - Shrink existing device

- **Destroy**
  - Remove existing device

- **Format**
  - Format device

- **Mount**
  - Mount volume group

### Confirmation Message

Choosing destructive action will begin the deconfiguration process and result in the loss of data on the disk targeted to be changed. You will not be able to reverse this action or a previous screen once the deconfiguration has started. Are you sure you want to continue? [Stop] [Continue]
Make this your CIT username
Wait for it to finish installing.
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