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: 8G
- 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.
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
Network connections

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

NAME     TYPE     NOTES / ADDRESSES
[ ens4 eth  144.35.216.10/29 (static)  ]
52:54:00:08:00:70 / Realtek Semiconductor Co., Ltd. /
RTL-8100/8101L/8139 PCI Fast Ethernet Adapter (QEMU Virtual Machine)

[ Create bond ▶ ]

[ Done ]
[ Back ]

Select an interface to configure it or select Done to continue

Don’t need to enter a Proxy address
Configure Ubuntu archive mirror

If you use an alternative mirror for Ubuntu, enter its details here:

Mirror address: [http://archive.ubuntu.com/ubuntu](http://archive.ubuntu.com/ubuntu)
you may provide an archive mirror that will be
used instead of the default
'http://archive.ubuntu.com/ubuntu'

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Filesystem setup

The installer can guide you through partitioning an entire disk either directly or using LVM, or, if you prefer, you can do it manually.

If you choose to partition an entire disk you will still have a chance to review and modify the results.

- Use an Entire Disk
- Use an Entire Disk And Set Up LVM
- Manual
- Back

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Filesystem setup

The selected guided partitioning scheme creates the required bootloader partition on the chosen disk and then creates a single partition covering the rest of the disk, formatted as ext4 and mounted at /.

Choose the disk to install to:

- GENUHMDDISK_LDM0001 8.0GB

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Filesystem setup

Mount Point | Size | Type | Device Type
---|---|---|---
/ | 1.997G | ext4 | partition of local disk

Available Devices

- No available devices

Used Devices

- Done
- Reset
- Back

Select available disks to format and mount
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 the installation has started.

Are you sure you want to continue?

[ No ]
[ Continue ]

[ Back ]

Select available disks to format and mount

Profile setup

Enter the username and password (or ssh identity) you will use to log in to the system.

Your name: Carol

Your server's name: carol-cli
The name it uses when it talks to other computers.

Pick a username: CIT username

Choose a password: **********

[ Done ]

Install in progress: acquiring and extracting image from cp://media/filesystem
Profile setup

Enter the username and password (or ssh identity) you will use to log in to the system.

Choose a password: **********

Confirm your password: **********

Import SSH identity: [ No ]
You can import your SSH keys from Github or Launchpad.

Import Username:

[ Done ]

Install in progress: installing kernel

Don’t choose any of the snaps.

Installation complete!

These are popular snaps in server environments. Select or deselect with SPACE, press ENTER to see more details of the package, publisher and versions available.

sabnzbd
wormhole
aus-cli
google-cloud-sdk
sicli
doctl
conjure-up
mindina-escoand
postgresql10
heroku
keepalived

SABnzbd
get things from one computer to another
Universal Command Line Interface for Am
Command-line interface for Google Cloud
Python based SoftLayer API Tool.
DigitalOcean command line tool
Package runtime for conjure-up spells
server software with the aim of being f
PostgreSQL is a powerful, open source o
CLI client for Heroku
High availability VRRP and load-balanci

[ Done ]

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