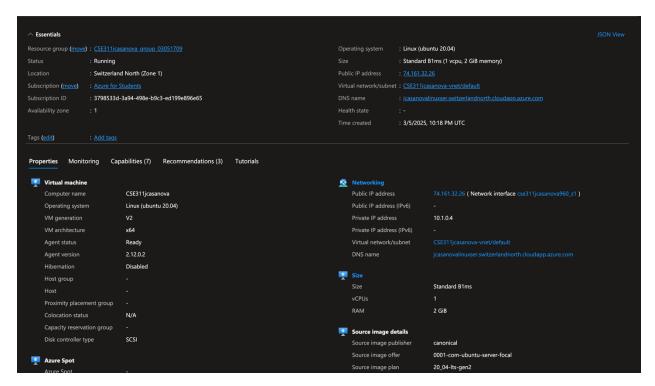
Jeffrie Casanova

SBU ID: 114958701

CSE/ISE 311 Homework 5

VM info: Using the Azure VM

IP: 74.161.32.26



Main account:

Jcasanova

Jcasanova@114958701

TA account

Password will be Ta@cse311

Windows VM

IP Address/Host: 130.245.16.127

• Username: classadmin

Password: jc114958701

Exercise 1: Will be another File (Exercise 1.pdf)

Exercise 2:

Automake is a tool used in the process of building software from source code. It automatically generates Makefile.in files, which are later turned into Makefiles by the configure script. These Makefiles define how a program is compiled and installed.

Exercise 3:

A vanilla build refers to compiling and installing software from the original, unmodified source code provided by developers. It's called "vanilla" because it represents the standard, default version—free from custom patches or configurations.

Exercise 4:

The GNU General Public License (GPL) is a widely used free software license that guarantees end users the freedom to run, study, share, and modify software.

Exercise 5:

In text form:

jcasanova@CSE311jcasanova:~/ffmpeg_sources/ffmpeg\$ ffmpeg -buildconf

ffmpeg version N-119425-g7faa560f1a Copyright (c) 2000-2025 the FFmpeg developers

built with gcc 9 (Ubuntu 9.4.0-1ubuntu1~20.04.2)

configuration: --prefix=/home/jcasanova/ffmpeg_build --pkg-config-flags=--static --extra-cflags=-

l/home/jcasanova/ffmpeg_build/include --extra-ldflags='-L/home/jcasanova/ffmpeg_build/lib -

L/home/jcasanova/ffmpeg_build/lib/x86_64-linux-gnu' --extra-libs='-lpthread -lm' --ld=g++ --bindir=/home/jcasanova/bin --enable-gpl --enable-libaom --enable-libass --enable-libfdk-aac --enable-libfreetype --enable-libmp3lame --enable-libopus --enable-libsvtav1 --enable-libdav1d --enable-libvorbis --enable-libvpx --enable-libx264 --enable-libx265 --enable-nonfree

libavutil 60. 2.100 / 60. 2.100 libavcodec 62. 2.100 / 62. 2.100 libavformat 62. 0.102 / 62. 0.102 libavdevice 62. 0.100 / 62. 0.100 libavfilter 11. 0.100 / 11. 0.100 libswscale 9. 0.100 / 9. 0.100 libswresample 6. 0.100 / 6. 0.100 libpostproc 59. 1.100 / 59. 1.100

[AVFormatContext @ 0x564c468bccc0] Unable to choose an output format for '-buildconf'; use a standard extension for the filename or specify the format manually.

[out#0 @ 0x564c468bcb40] Error initializing the muxer for –buildconf: Invalid argument

Error opening output file -buildconf.

Error opening output files: Invalid argument

Exercise 6:

I've already set Remote Desktop before like at the start of the HWs to have a GUI on my mac so I've completed this before. Used this tutorial: https://learn.microsoft.com/en-us/azure/virtual-machines/linux/use-remote-desktop?tabs=azure-cli

Exercise 7:

I've had Remote Desktop on Ubuntu setup since the beginning of the HWs I used the Microsoft page on how to install it and configure it on my computer. After that on my Remote Desktop app, I put the information about my VM. Added my information for the login and then it would connect me and load up a GUI. Used this tutorial to guide me on the set up process: https://learn.microsoft.com/en-us/azure/virtual-machines/linux/use-remote-desktop?tabs=azure-cli. I installed the XFCE desktop environment and xRDP on my Ubuntu VM using apt. I configured the .xsession file to use XFCE and restarted the xRDP service. Then I allowed port 3389 on the firewall on the azure page and connected using Microsoft Remote Desktop from my host machine.

