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VM info: Using the Azure VM

IP: 74.161.32.26

The screenshot displays the Azure portal interface for a virtual machine named 'CSE311jcasanova'. The top section, titled 'Essentials', provides a summary of the VM's status and configuration. Below this, the 'Properties' tab is selected, showing detailed information categorized into 'Virtual machine', 'Networking', 'Size', and 'Source image details'.

Essentials	
Resource group (move)	CSE311jcasanova_group_03051709
Status	Running
Location	Switzerland North (Zone 1)
Subscription (move)	Azure for Students
Subscription ID	3798533d-3a94-498e-b9c3-ed199e896e65
Availability zone	1
Tags (edit)	Add tags
Operating system	Linux (ubuntu 20.04)
Size	Standard B1ms (1 vcpu, 2 GiB memory)
Public IP address	74.161.32.26
Virtual network/subnet	CSE311jcasanova-vnet/default
DNS name	jasanova1inuxser.switzerlandnorth.cloudapp.azure.com
Health state	-
Time created	3/5/2025, 10:18 PM UTC

Virtual machine	
Computer name	CSE311jcasanova
Operating system	Linux (ubuntu 20.04)
VM generation	V2
VM architecture	x64
Agent status	Ready
Agent version	2.12.0.2
Hibernation	Disabled
Host group	-
Host	-
Proximity placement group	-
Colocation status	N/A
Capacity reservation group	-
Disk controller type	SCSI

Networking	
Public IP address	74.161.32.26 ( Network interface cse311jcasanova960_x1 )
Public IP address (IPv6)	-
Private IP address	10.1.0.4
Private IP address (IPv6)	-
Virtual network/subnet	CSE311jcasanova-vnet/default
DNS name	jasanova1inuxser.switzerlandnorth.cloudapp.azure.com

Size	
Size	Standard B1ms
vCPUs	1
RAM	2 GiB

Source image details	
Source image publisher	canonical
Source image offer	0001-com-ubuntu-server-focal
Source image plan	20_04-lts-gen2

Azure Spot	
Azure Spot	-

TA account

Password will be Ta@cse311

Exercise 1:

I am using MS RDP to connect to my azure VM given the GUI I have I tired to run the internet browser on the machine already but didn't work so I installed FireFox to test my apache2 server.

Got locked out of my VM but keeping ufw enabled but was able to fix it with serial console to disable it and SSH back in. Used the command `sudo ufw allow OpenSSH` to prevent me from getting locked out again

DNS : cse311jcasanova.internal.cloudapp.net

When you use the IP Address you'll get the Apache2 landing page but if you use the DNS then you get the index.html that was made (In the VM)

Exercise 1.1:

For Test database connection from PHP

User: example\_user

Password: password

For anything else

Username: jcasanova

Password: jcasanova@114958701

Exercise 2:

CMS (Content Management System) is a software application that allows users to create, manage, and modify digital content on a website without needing to write code.

Exercise 3: Linux CSE311jcasanova 5.15.0-1082-azure #91~20.04.1-Ubuntu SMP Tue Feb 25 03:23:03 UTC 2025 x86\_64

Exercise 4:

Like mentioned above I used the sudo allow OpenSSH to prevent me from being locked out

Had some issues when getting it to redirect but fixed it by using the IP Address instead

Tested It on the VM by using the local IP address: 10.1.0.4

Exercise 4.1:

ssl-cert-snakeoil is a self-signed SSL certificate automatically generated by the ssl-cert package on Linux systems like Ubuntu. It is intended for testing and development purposes only.

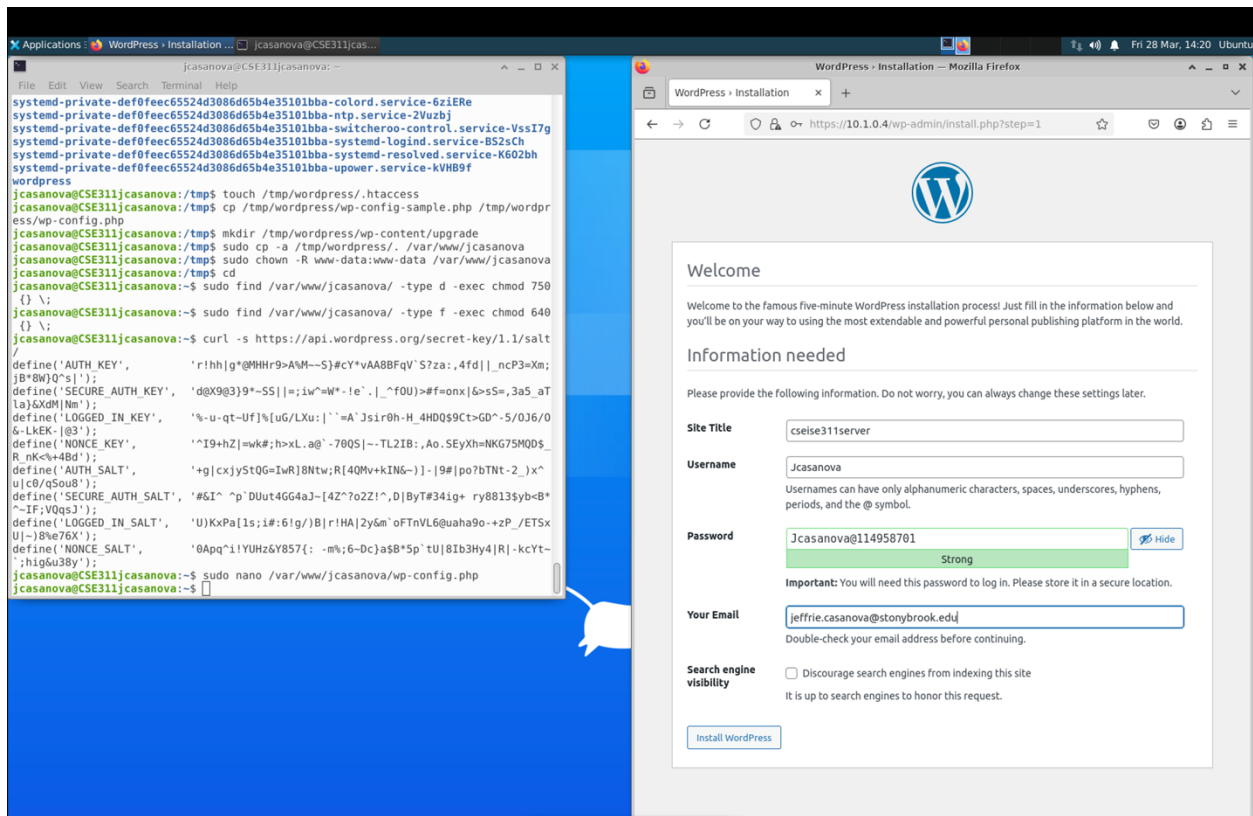
Exercise 5:

Mysql wordpress database Information:

User: wordpressuser

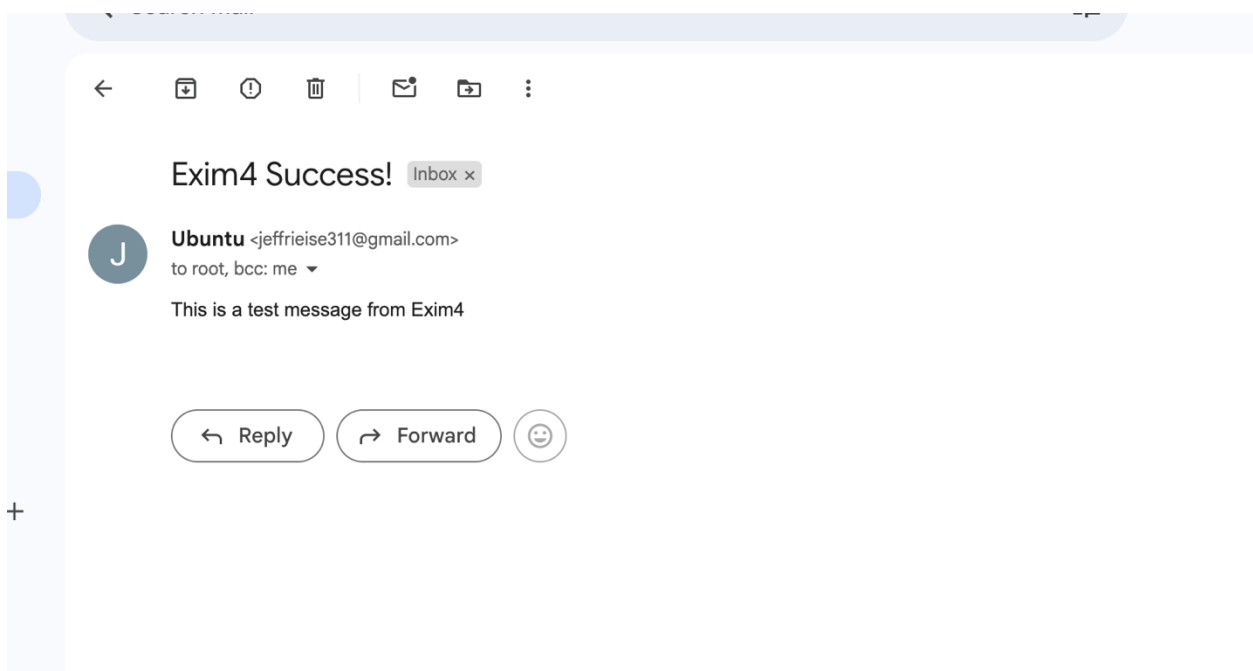
Password: Jcasanova@114958701

```
define('AUTH_KEY',  
'r!hh|g*@MHHR9>A%M~~S}#cY*vAA8BFqV` S?za:,4fd|[_ncP3=Xm;jB*8W}Q^s|');  
  
define('SECURE_AUTH_KEY', 'd@X9@3}9*~SS||=;iw^=W*  
!e`.|_^fOU)>#f=onx|&>sS=,3a5_aTla}&XdM|Nm');  
  
define('LOGGED_IN_KEY', '%-u-qt~Uf] %[uG/LXu:|` `=A` Jsir0h-H_4HDQ$9Ct>GD^-  
5/OJ6/O&-LkEK-|@3');  
  
define('NONCE_KEY',    '^I9+hZ|=wk#;h>xL.a@` -70QS|~-  
TL2IB:;Ao.SEyXh=NKG75MQD$_R_nK<%+4Bd');  
  
define('AUTH_SALT',    '+g|cxjyStQG=IwR]8Ntw;R[4QMv+kIN&~)]-|9#|po?bTNt-2_)x^  
u|c0/qSou8');  
  
define('SECURE_AUTH_SALT', '#&I^ ^p` DUut4GG4aJ~[4Z^?o2Z!^,D|ByT#34ig+  
ry8813$yb<B*^~IF;VQqsJ');  
  
define('LOGGED_IN_SALT', 'U)KxPa[1s;i#;6!g/)B|r!HA|2y&m` oFTnVL6@uaha9o-  
+zP_/ETSxU|~)8%e76X');  
  
define('NONCE_SALT',    '0Apq^i!YUHz&Y857{: -m%;6~Dc}a$B*5p` tU|8lb3Hy4|R|  
kcYt~` ;hig&u38y');
```

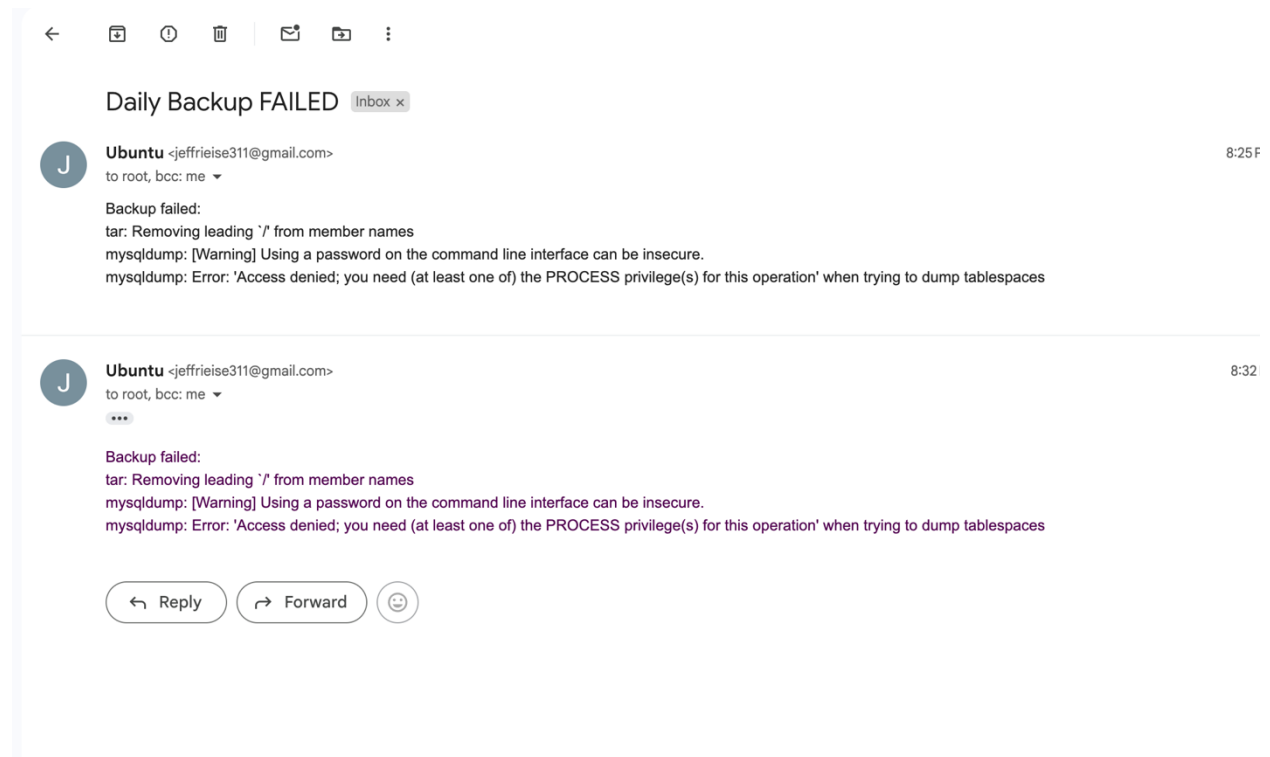


Exercise 6:

Email made: [jeffrieise311@gmail.com](mailto:jeffrieise311@gmail.com)

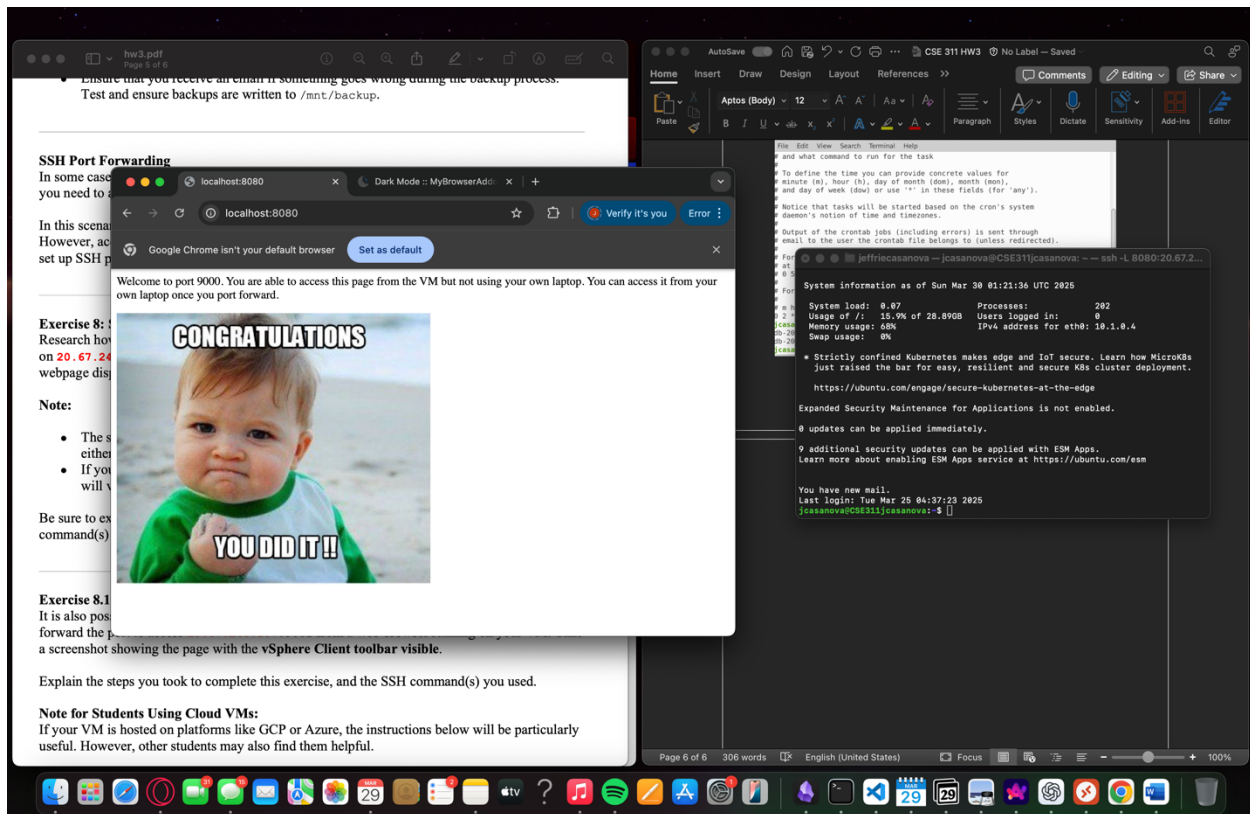


## Exercise 7:



```
jcasanova@CSE311jcasanova: ~
File Edit View Search Terminal Help
# and what command to run for the task
#
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').
#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
#
# m h dom mon dow  command
0 2 * * * /home/jcasanova/daily-backup.sh
jcasanova@CSE311jcasanova:~$ ls /mnt/backup
db-2025-03-30-00-25.sql  web-2025-03-30-00-25.tar.gz
db-2025-03-30-00-32.sql  web-2025-03-30-00-32.tar.gz
jcasanova@CSE311jcasanova:~$
```

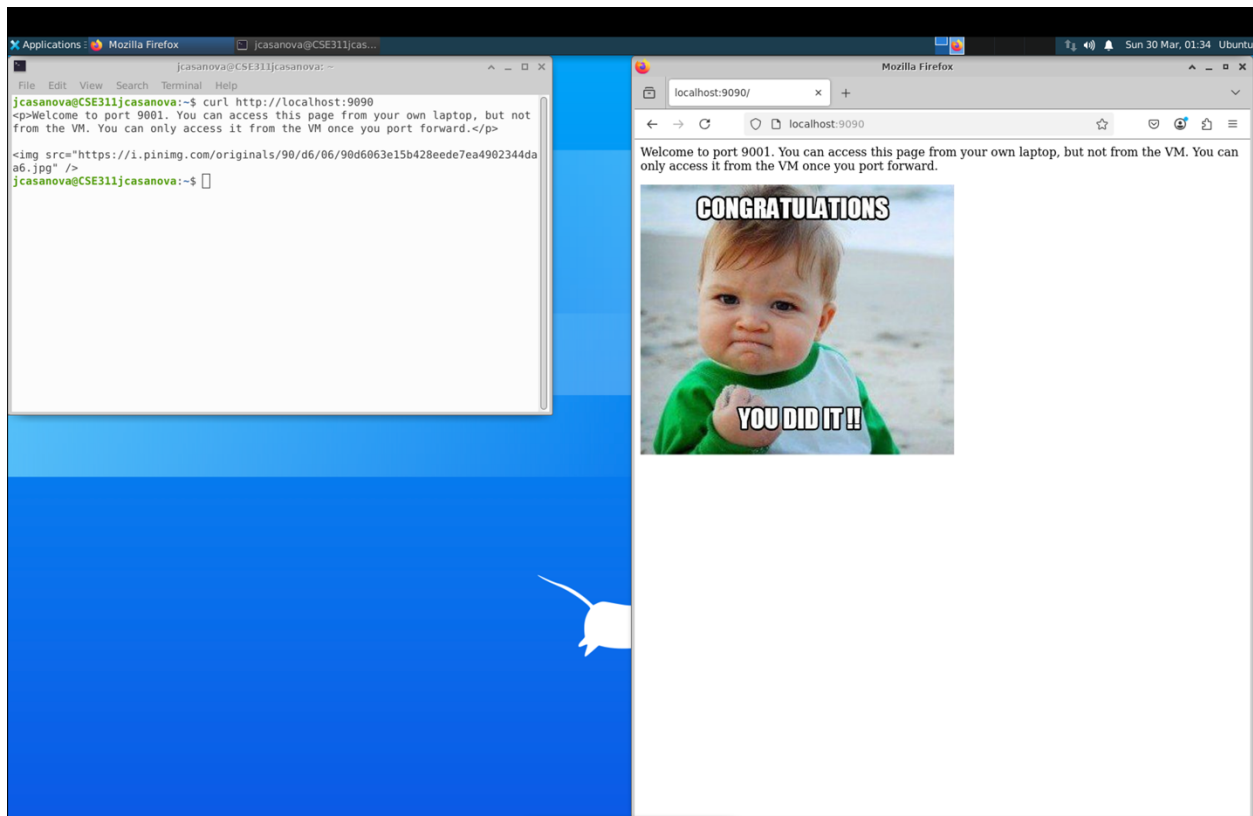
## Exercise 8:



Steps I took:

1. Opened the terminal on my mac
2. Ran this command `ssh -L 8080:20.67.240.187:9000 jcasanova@74.161.32.26`
3. After this was active in my terminal I went to google chrome and entered this URL: <http://localhost:8080>

Exercise 8.1:



Steps I took:

1. Opened the terminal on my mac
2. Ran this command `ssh -R 9090:20.67.240.187:9001 jcasanova@74.161.32.26`
3. After this was active, I just open MS RDP to login to open Firefox and type this URL: <http://localhost:9090>