Installation Repost

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Section: SE-6F

Assing: 01

Subject: SCD

Odoo Installation Documentation

1. System Requirements

a) Hardware Requirements

- **RAM**: Minimum **2GB** (Recommended **4GB+**)
- **CPU**: Multi-core processor (Recommended **2+ cores**)
- **Storage**: At least **31GB** allocated in VMware
- **Network**: Internet access for downloading dependencies

b) Software Requirements

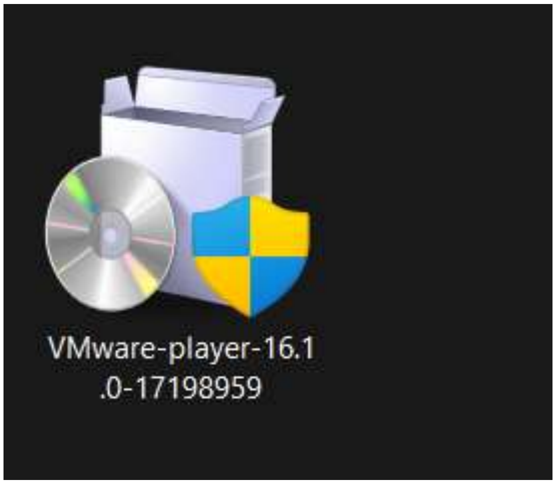
- **Ubuntu**: Version **20.04+**
- **Python**: Version **3.8+**
- **PostgreSQL**: Version **12+**
- **Git**: Latest version
- **Node.js & npm**: Latest stable version

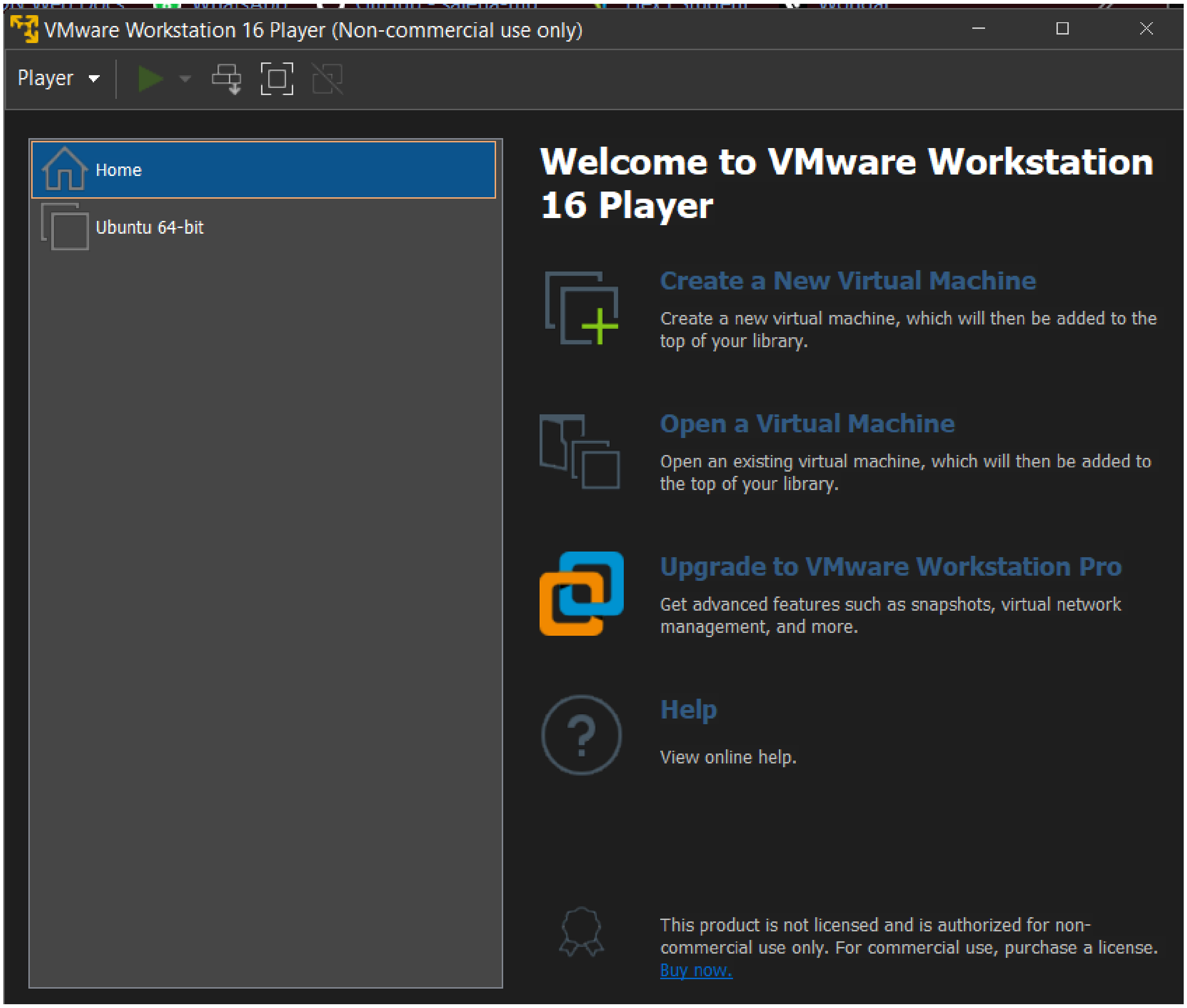
2. Problems that I faced while choosing VMware

I previously completed my entire assignment on an Ubuntu virtual machine in Oracle VirtualBox, but later I found out that it had to be done on a server. So, I created a virtual machine for Ubuntu Server in Oracle VirtualBox. I even installed Odoo and ran it there. My Odoo was working, but suddenly, my Ubuntu Server lost its IP address. I spent four hours trying to fix it but eventually gave up. Then, I learned about VMware Workstation and decided to give it a try. In the end, it finally worked. So, in total, I did this assignment four times to reach this point.

3. Installation of VmWare workstation

Then, I registered an account on the VMware website to access the download files. After logging in, I downloaded the ISO file required for installing VMware Workstation. Once the download was complete, I proceeded with the installation on my PC by following the setup process.





Welcome to VMware Workstation 16 Player

Create a New Virtual Machine

Create a new virtual machine, which will then be added to the top of your library.

Open a Virtual Machine

Open an existing virtual machine, which will then be added to the top of your library.

Upgrade to VMware Workstation Pro

Get advanced features such as snapshots, virtual network management, and more.

Help

View online help.

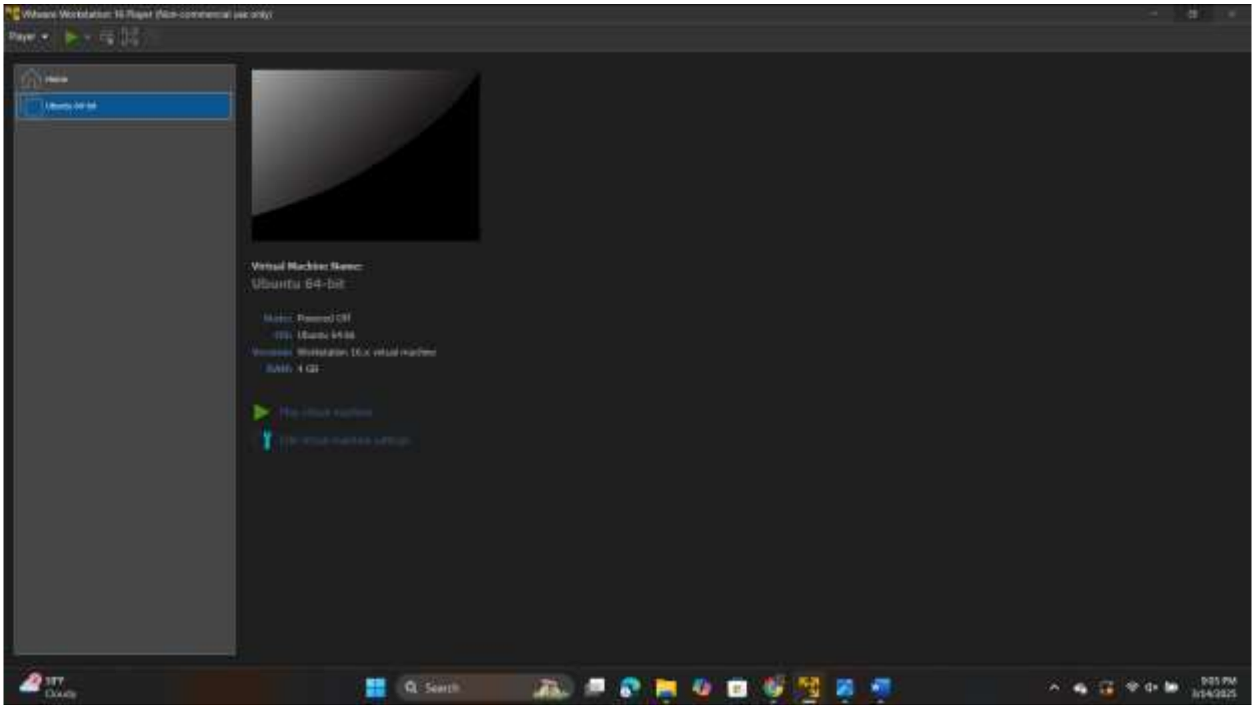
This product is not licensed and is authorized for non-commercial use only. For commercial use, purchase a license. Buy now.

4. Ubuntu Server Iso file

As I already mentioned, I did this assignment four times, so I already had the ISO file of Ubuntu Server stored on my device

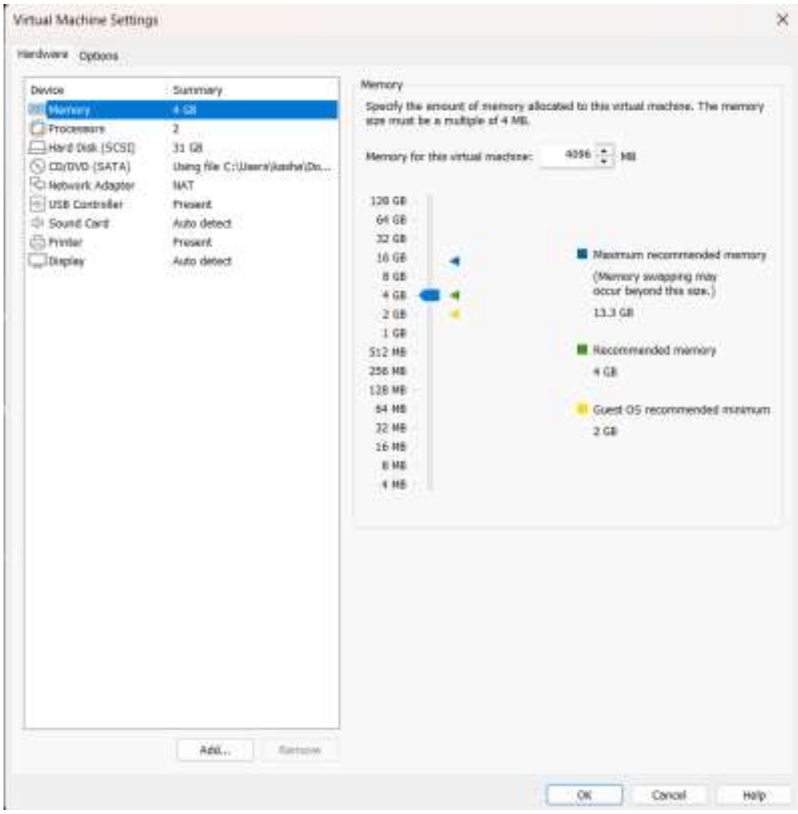
5. Creating Virtual Machine of ubuntu server

After installing VMware Workstation, I created a new virtual machine by selecting **"Create a New Virtual Machine."** I chose the **typical installation** option and then selected the ISO file of Ubuntu Server from my downloads folder. Next, I allocated **31 GB of disk space** and **4 GB of RAM**, as shown in the pictures. Finally, I started the virtual machine and proceeded with the Ubuntu Server installation.


VMware Workstation 16 Player (Non-commercial use only)
Player
Home
Ubuntu 64-bit
Play virtual machine
Edit virtual machine settings
Search

Virtual Machine Name:
Ubuntu 64-bit

State: Powered Off
OS: Ubuntu 64-bit
Version: Workstation 16.x virtual machine
RAM: 4 GB



Virtual Machine Settings

Hardware Options

Device	Summary
Memory	4 GB
Processors	2
Hard Disk (SCSI)	31 GB
CD/DVD (SATA)	Using file C:\Users\kasha\Do...
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Printer	Present
Display	Auto detect

Memory

Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.

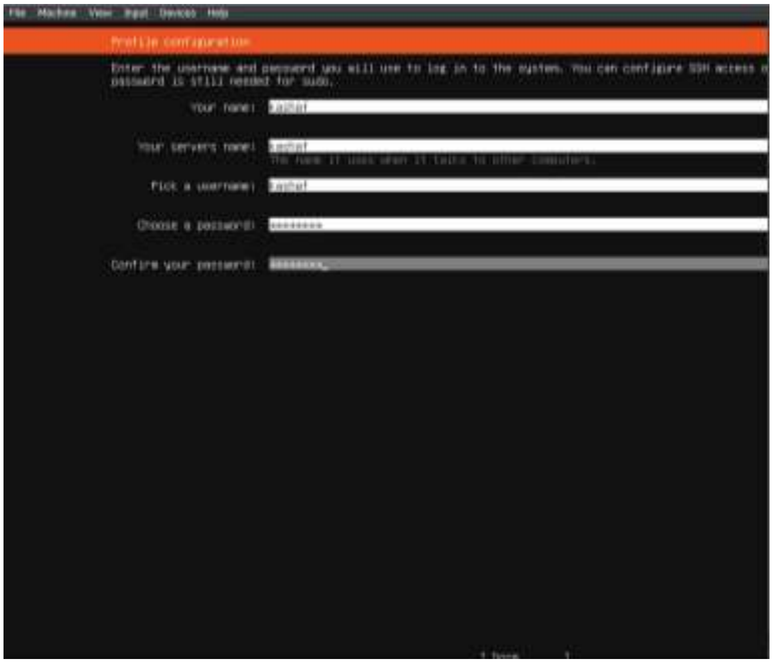
Memory for this virtual machine: 4096 MB

🟦 Maximum recommended memory
(Memory swapping may occur beyond this size.)
13.3 GB

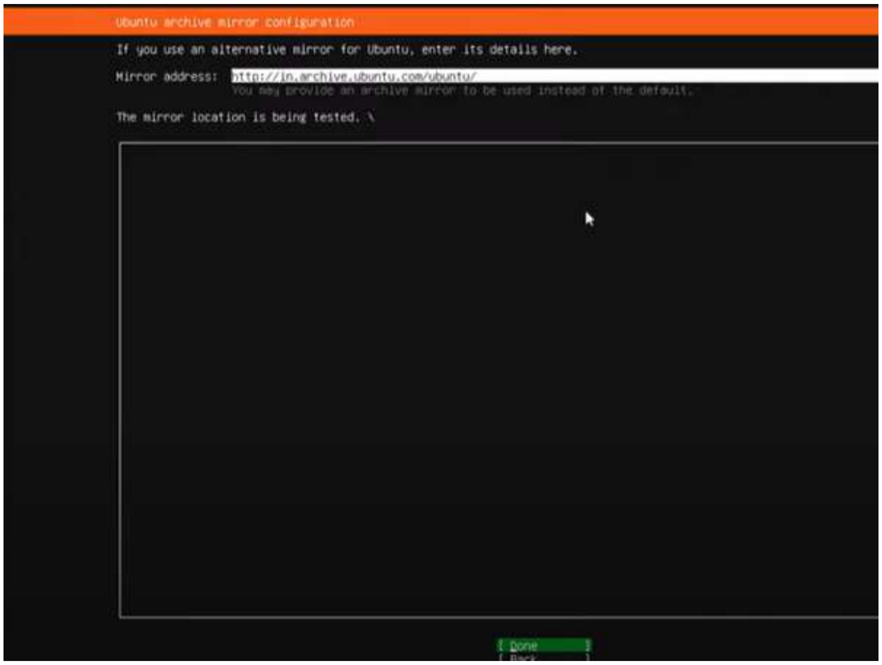
🟩 Recommended memory
4 GB

🟨 Guest OS recommended minimum
2 GB

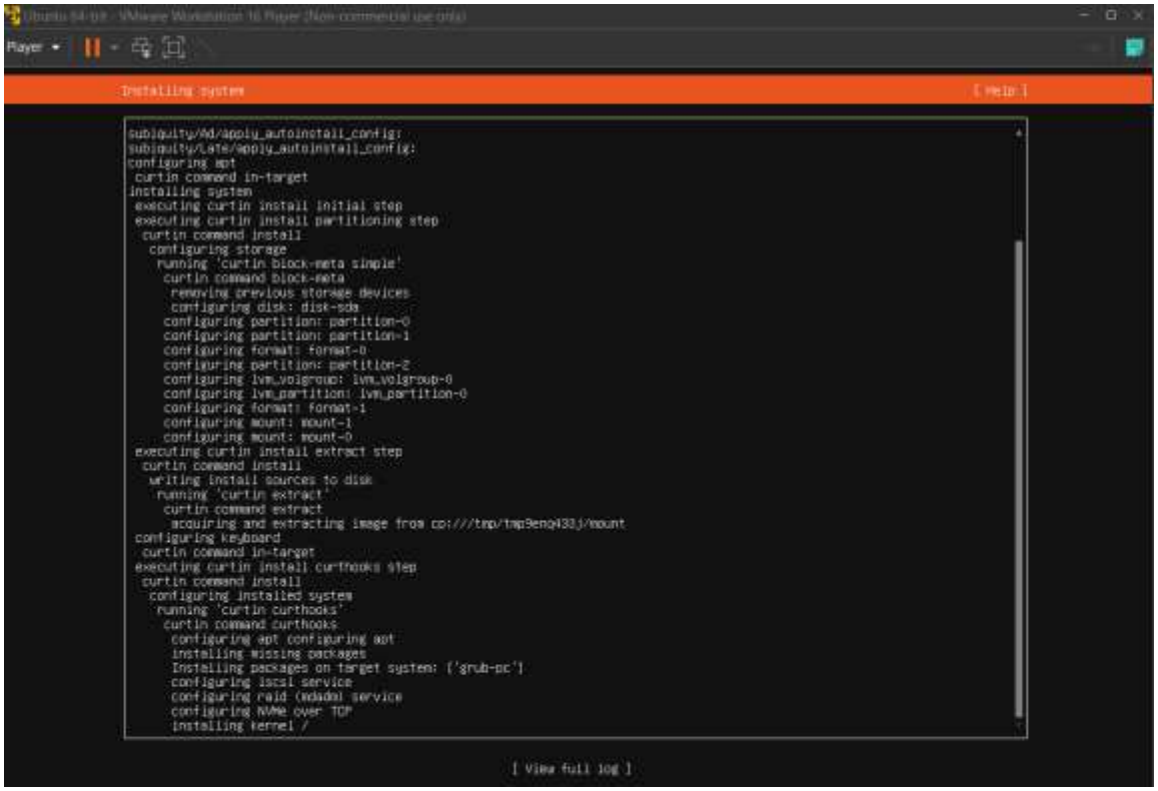
Then the server started and I set the settings of my server:



```
Profile configuration

Enter the username and password you will use to log in to the system. You can configure SSH access o
password is still needed for sudo.

            Your name: kashaf

    Your servers name: kashaf
                       The name it uses when it talks to other computers.

      Pick a username: kashaf

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

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

                                   [ Done     ]
```



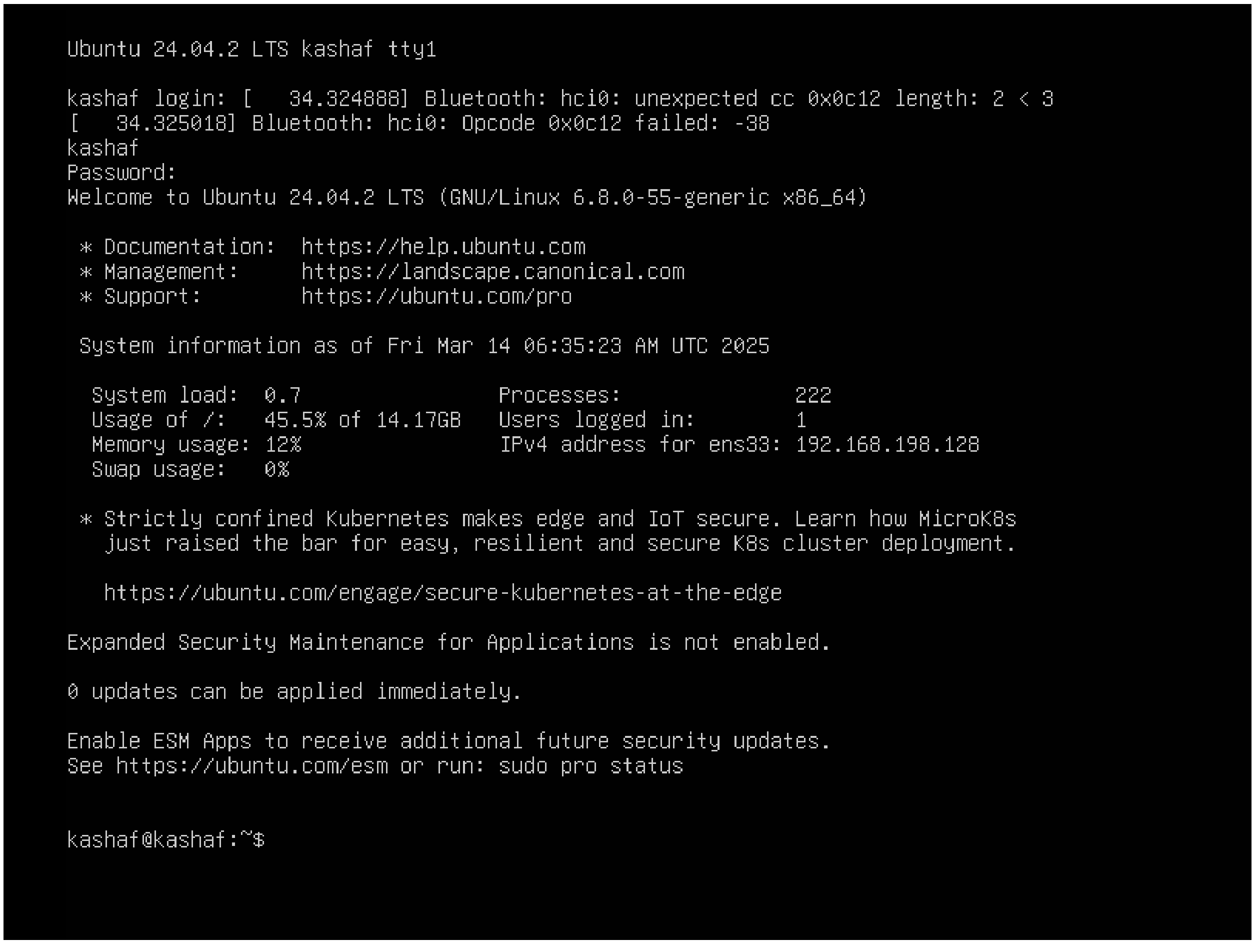
```
Ubuntu archive mirror configuration

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

Mirror address:  http://in.archive.ubuntu.com/ubuntu/
                 You may provide an archive mirror to be used instead of the default.

The mirror location is being tested. \
```



Ubuntu 64-bit - VMware Workstation 16 Player (Non-commercial use only)
Player
[Help]
[View full log]

```
Installing system

subiquity/Ad/apply_autoinstall_config:
subiquity/Late/apply_autoinstall_config:
configuring apt
 curtin command in-target
installing system
 executing curtin install initial step
 executing curtin install partitioning step
  curtin command install
   configuring storage
    running 'curtin block-meta simple'
     curtin command block-meta
      removing previous storage devices
      configuring disk: disk-sda
     configuring partition: partition-0
     configuring partition: partition-1
     configuring format: format-0
     configuring partition: partition-2
     configuring lvm_volgroup: lvm_volgroup-0
     configuring lvm_partition: lvm_partition-0
     configuring format: format-1
     configuring mount: mount-1
     configuring mount: mount-0
 executing curtin install extract step
  curtin command install
   writing install sources to disk
    running 'curtin extract'
     curtin command extract
      acquiring and extracting image from cp:///tmp/tmp9enq433j/mount
 configuring keyboard
  curtin command in-target
 executing curtin install curthooks step
  curtin command install
   configuring installed system
    running 'curtin curthooks'
     curtin command curthooks
      configuring apt configuring apt
      installing missing packages
      Installing packages on target system: ['grub-pc']
      configuring iscsi service
      configuring raid (mdadm) service
      configuring NVMe over TCP
      installing kernel /
```

Then I logged into my account:



```
Ubuntu 24.04.2 LTS kashaf tty1

kashaf login: [   34.324888] Bluetooth: hci0: unexpected cc 0x0c12 length: 2 < 3
[   34.325018] Bluetooth: hci0: Opcode 0x0c12 failed: -38
kashaf
Password:
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-55-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

 System information as of Fri Mar 14 06:35:23 AM UTC 2025

  System load:  0.7                Processes:             222
  Usage of /:   45.5% of 14.17GB   Users logged in:       1
  Memory usage: 12%                IPv4 address for ens33: 192.168.198.128
  Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status


kashaf@kashaf:~$
```

6. Odoo Installation

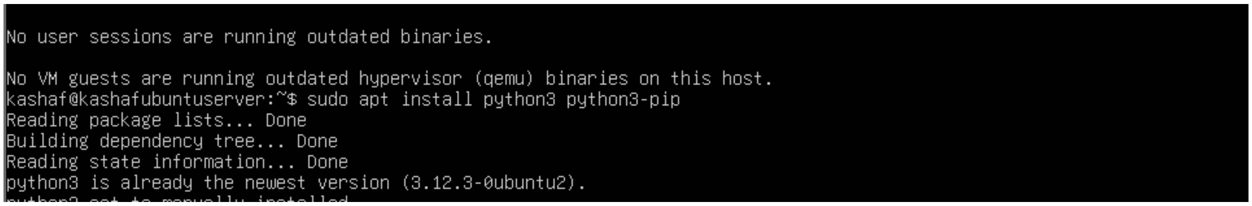
After the previous all steps I finally started the installation of odoo using following commands:

a) Update and upgrading Packages

```
sudo apt update && sudo apt upgrade -y
```

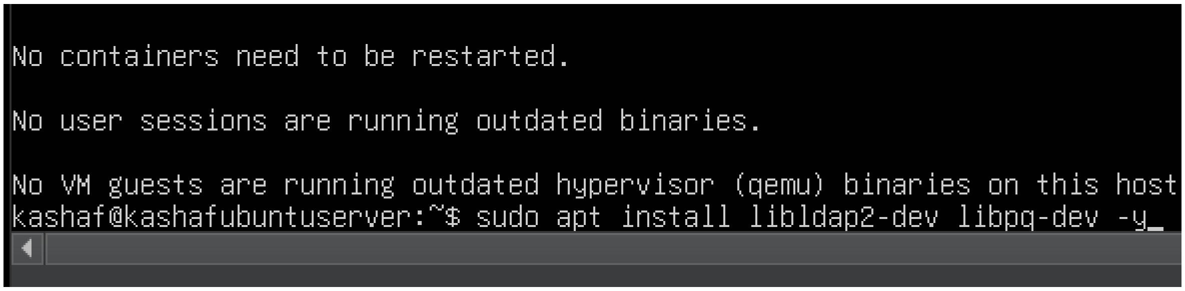
b) Installing dependencies

```
sudo apt install python3 python3-pip
```



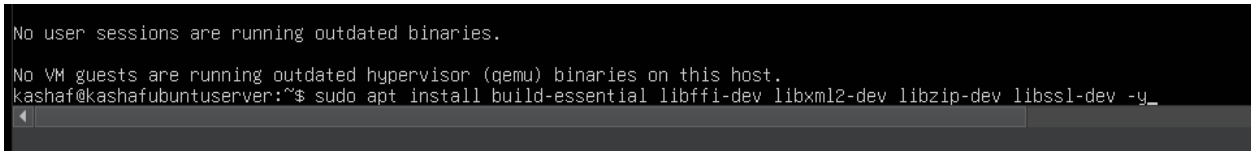
```
No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
kashaf@kashafubuntuserver:~$ sudo apt install python3 python3-pip
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
python3 is already the newest version (3.12.3-0ubuntu2).
python3 set to manually installed.
```

sudo apt install libldap2-dev libpq-dev -y



```
No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host
kashaf@kashafubuntuserver:~$ sudo apt install libldap2-dev libpq-dev -y
```

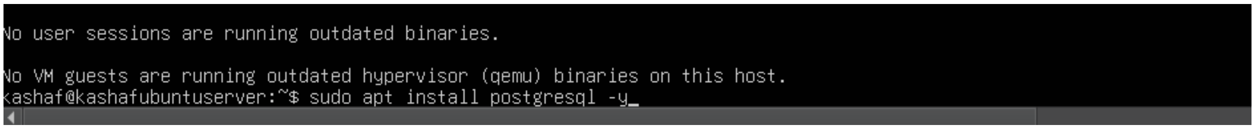
sudo apt install build-essentials libffi-dev libxslt2-dev libzip-dev libssl-dev -y



```
No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
kashaf@kashafubuntuserver:~$ sudo apt install build-essential libffi-dev libxml2-dev libzip-dev libssl-dev -y
```

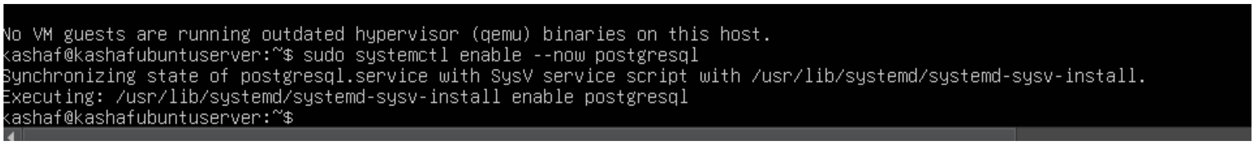
c) Installing postgresql

sudo apt install postgresql -y



```
No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
kashaf@kashafubuntuserver:~$ sudo apt install postgresql -y
```

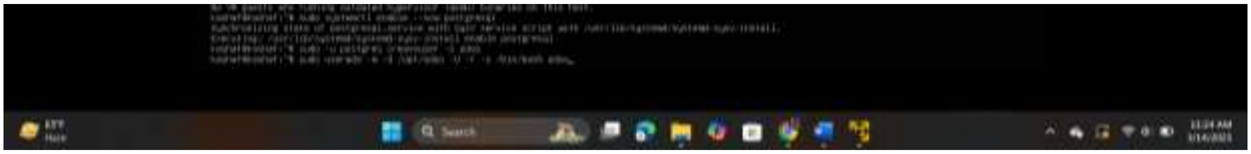
sudo systemctl enable --now postgresql



```
No VM guests are running outdated hypervisor (qemu) binaries on this host.
kashaf@kashafubuntuserver:~$ sudo systemctl enable --now postgresql
Synchronizing state of postgresql.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable postgresql
kashaf@kashafubuntuserver:~$
```

d) Creating postgresql user

sudo -u postgres createuser -s odoo



```
No VM guests are running outdated hypervisor (qemu) binaries on this host.
kashaf@kashaf:~$ sudo systemctl enable --now postgresql
Synchronizing state of postgresql.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable postgresql
kashaf@kashaf:~$ sudo -u postgres createuser -s odoo
kashaf@kashaf:~$ sudo useradd -m -d /opt/odoo -U -r -s /bin/bash odoo_
```

e) Download odoo source code

The following command did not worked for me so I manually downloaded zip file from git and moved the zip file of odoo from windows to my vm:

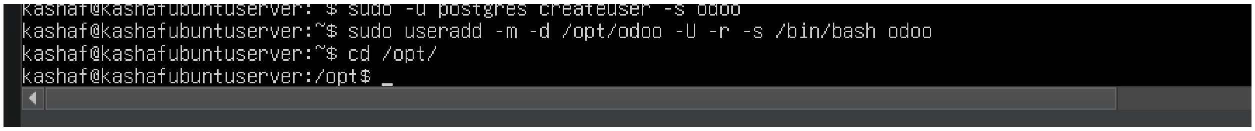
git clone https://www.github.com/odoo/odoo --depth=1 --branch 16.0

Then I unsipped it:

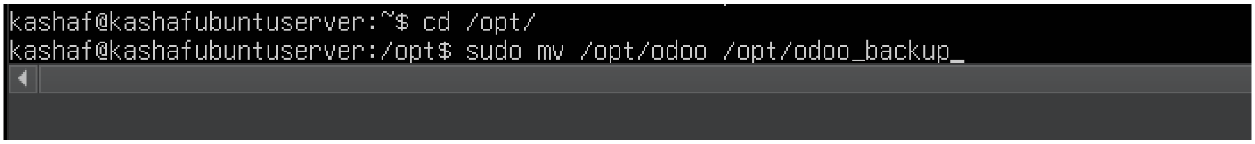
cd /opt/

sudo unzip odoo-16.0.zip

sudo mv /opt/odoo-16.0 /opt/odoo



```
kashaf@kashafubuntuserver:~$ sudo -u postgres createuser -s odoo
kashaf@kashafubuntuserver:~$ sudo useradd -m -d /opt/odoo -U -r -s /bin/bash odoo
kashaf@kashafubuntuserver:~$ cd /opt/
kashaf@kashafubuntuserver:/opt$ _
```



```
kashaf@kashafubuntuserver:~$ cd /opt/
kashaf@kashafubuntuserver:/opt$ sudo mv /opt/odoo /opt/odoo_backup_
```

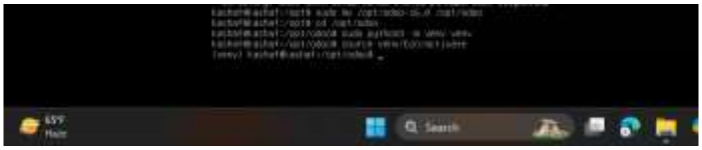
f) Creating a virtual environment and installing dependencies

cd /opt/odoo

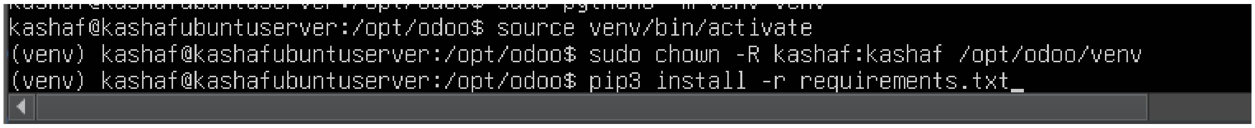
python3 -m venv venv source

venv/bin/activate

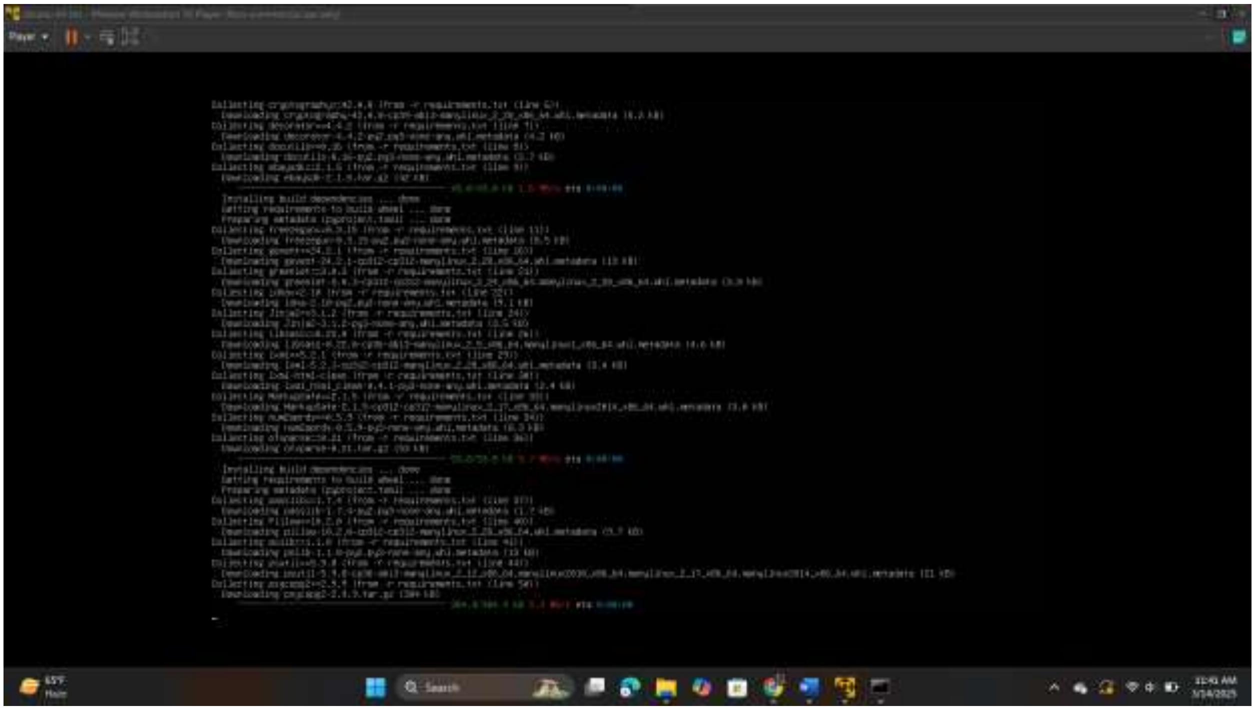
pip3 install -r requirements.txt



```
kashaf@kashaf:/opt$ sudo mv /opt/odoo-16.0 /opt/odoo
kashaf@kashaf:/opt$ cd /opt/odoo
kashaf@kashaf:/opt/odoo$ sudo python3 -m venv venv
kashaf@kashaf:/opt/odoo$ source venv/bin/activate
(venv) kashaf@kashaf:/opt/odoo$ _
```



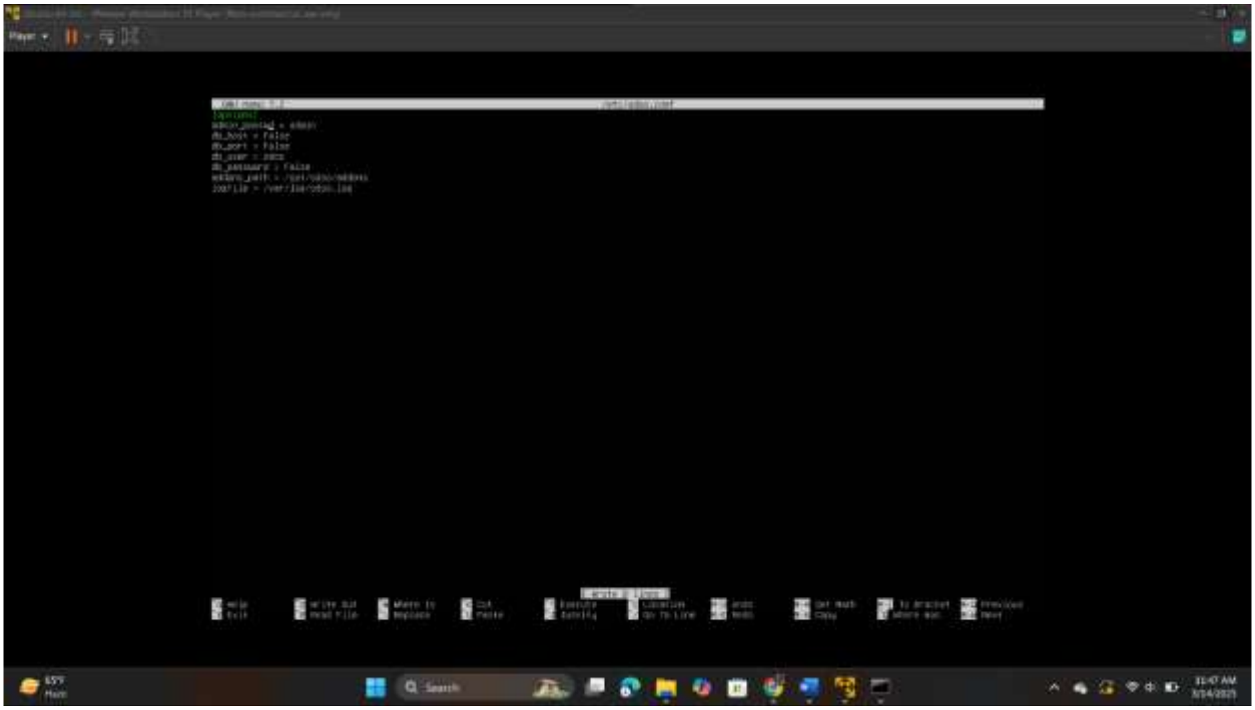
```
kashaf@kashafubuntuserver:/opt/odoo$ sudo python3 -m venv venv
kashaf@kashafubuntuserver:/opt/odoo$ source venv/bin/activate
(venv) kashaf@kashafubuntuserver:/opt/odoo$ sudo chown -R kashaf:kashaf /opt/odoo/venv
(venv) kashaf@kashafubuntuserver:/opt/odoo$ pip3 install -r requirements.txt_
```



```
Collecting cryptography==42.0.8 (from -r requirements.txt (line 6))
  Downloading cryptography-42.0.8-cp39-abi3-manylinux_2_28_x86_64.whl.metadata (5.3 kB)
Collecting decorator==4.4.2 (from -r requirements.txt (line 7))
  Downloading decorator-4.4.2-py2.py3-none-any.whl.metadata (4.2 kB)
Collecting docutils==0.20 (from -r requirements.txt (line 8))
  Downloading docutils-0.20-py2.py3-none-any.whl.metadata (2.7 kB)
Collecting ebaysdk==2.1.5 (from -r requirements.txt (line 9))
  Downloading ebaysdk-2.1.5.tar.gz (42 kB)
     ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ [illegible] eta 0:00:00
  Installing build dependencies ... done
  Getting requirements to build wheel ... done
  Preparing metadata (pyproject.toml) ... done
Collecting freezegun==0.3.15 (from -r requirements.txt (line 11))
  Downloading freezegun-0.3.15-py2.py3-none-any.whl.metadata (8.5 kB)
Collecting gevent==24.2.1 (from -r requirements.txt (line 16))
  Downloading gevent-24.2.1-cp312-cp312-manylinux_2_28_x86_64.whl.metadata (13 kB)
Collecting greenlet==3.0.3 (from -r requirements.txt (line 21))
  Downloading greenlet-3.0.3-cp312-cp312-manylinux_2_24_x86_64.manylinux_2_28_x86_64.whl.metadata (3.8 kB)
Collecting idna==2.10 (from -r requirements.txt (line 22))
  Downloading idna-2.10-py2.py3-none-any.whl.metadata (9.1 kB)
Collecting Jinja2==3.1.2 (from -r requirements.txt (line 24))
  Downloading Jinja2-3.1.2-py3-none-any.whl.metadata (3.5 kB)
Collecting libsass==0.22.0 (from -r requirements.txt (line 26))
  Downloading libsass-0.22.0-cp36-abi3-manylinux_2_5_x86_64.manylinux1_x86_64.whl.metadata (4.6 kB)
Collecting lxml==5.2.1 (from -r requirements.txt (line 29))
  Downloading lxml-5.2.1-cp312-cp312-manylinux_2_28_x86_64.whl.metadata (3.4 kB)
Collecting lxml-html-clean (from -r requirements.txt (line 30))
  Downloading lxml_html_clean-0.4.1-py3-none-any.whl.metadata (2.4 kB)
Collecting MarkupSafe==2.1.5 (from -r requirements.txt (line 33))
  Downloading MarkupSafe-2.1.5-cp312-cp312-manylinux_2_17_x86_64.manylinux2014_x86_64.whl.metadata (3.0 kB)
Collecting num2words==0.5.13 (from -r requirements.txt (line 34))
  Downloading num2words-0.5.13-py3-none-any.whl.metadata (6.3 kB)
Collecting ofxparse==0.21 (from -r requirements.txt (line 36))
  Downloading ofxparse-0.21.tar.gz (53 kB)
     ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ [illegible] eta 0:00:00
  Installing build dependencies ... done
  Getting requirements to build wheel ... done
  Preparing metadata (pyproject.toml) ... done
Collecting passlib==1.7.4 (from -r requirements.txt (line 37))
  Downloading passlib-1.7.4-py2.py3-none-any.whl.metadata (1.7 kB)
Collecting Pillow==10.2.0 (from -r requirements.txt (line 40))
  Downloading pillow-10.2.0-cp312-cp312-manylinux_2_28_x86_64.whl.metadata (9.7 kB)
Collecting polib==1.1.1 (from -r requirements.txt (line 41))
  Downloading polib-1.1.1-py2.py3-none-any.whl.metadata (13 kB)
Collecting psutil==5.9.8 (from -r requirements.txt (line 44))
  Downloading psutil-5.9.8-cp36-abi3-manylinux_2_12_x86_64.manylinux2010_x86_64.manylinux_2_17_x86_64.manylinux2014_x86_64.whl.metadata (21 kB)
Collecting psycopg2==2.9.9 (from -r requirements.txt (line 50))
  Downloading psycopg2-2.9.9.tar.gz (384 kB)
     ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 384.0/384.0 kB [illegible] eta 0:00:00
_
```

g) Configure odoo

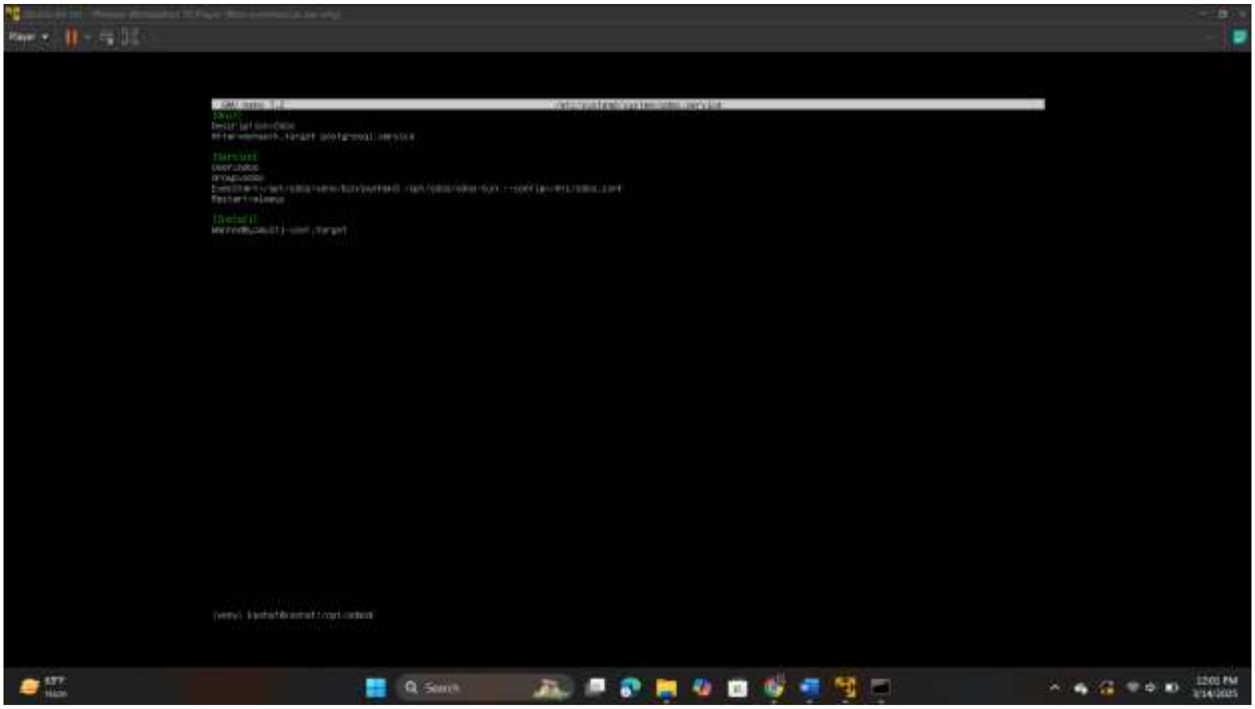
sudo nano /etc/odoo.conf



```
  GNU nano 7.2                        /etc/odoo.conf
[options]
admin_passwd = admin
db_host = False
db_port = False
db_user = odoo
db_password = False
addons_path = /opt/odoo/addons
logfile = /var/log/odoo.log



                                [ Wrote 8 lines ]
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo      M-A Set Mark  M-] To Bracket  M-▲ Previous
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^/ Go To Line M-E Redo      M-6 Copy      ^Q Where Was    M-▼ Next
```

h) Creating system service for odoo

sudo nano /etc/systemd/system/odoo.service



```
GNU nano 7.2                         /etc/systemd/system/odoo.service
[Unit]
Description=Odoo
After=network.target postgresql.service

[Service]
User=odoo
Group=odoo
ExecStart=/opt/odoo/venv/bin/python3 /opt/odoo/odoo-bin --config=/etc/odoo.conf
Restart=always

[Install]
WantedBy=multi-user.target

(venv) kashaf@kashaf:/opt/odoo$
```

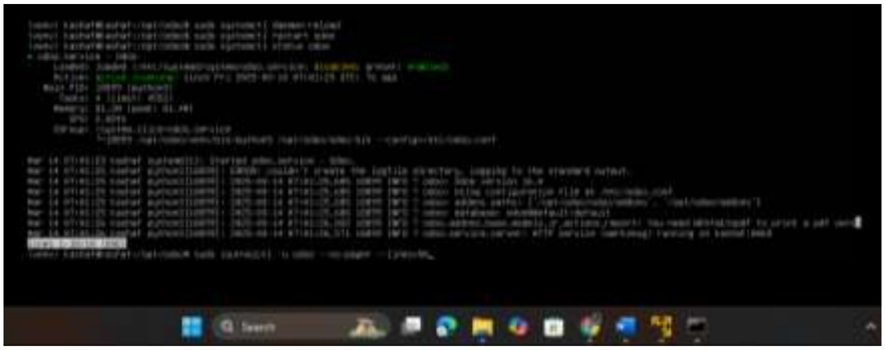
i) Start and enable odoo service

sudo systemctl daemon-reload

sudo systemctl enable odoo

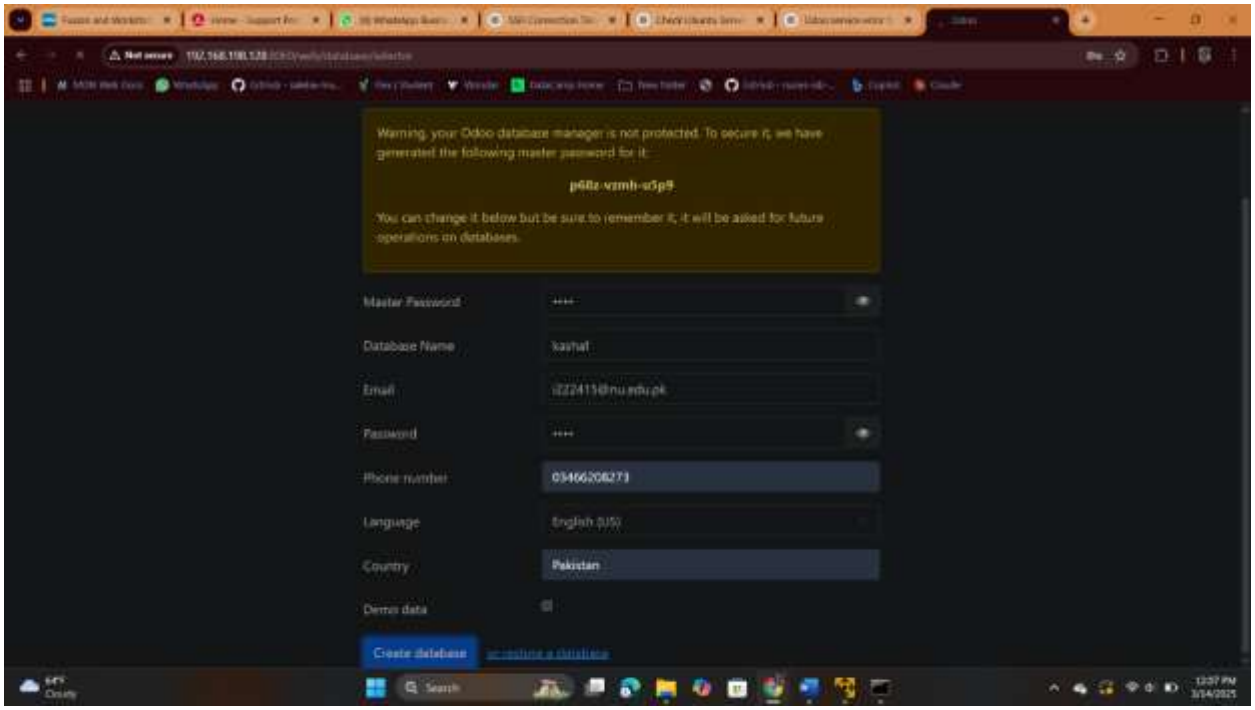
sudo systemctl start odoo

sudo systemctl status odoo



```
(venv) kashaf@kashaf:/opt/odoo$ sudo systemctl daemon-reload
(venv) kashaf@kashaf:/opt/odoo$ sudo systemctl restart odoo
(venv) kashaf@kashaf:/opt/odoo$ sudo systemctl status odoo
● odoo.service - Odoo
     Loaded: loaded (/etc/systemd/system/odoo.service; disabled; preset: enabled)
     Active: active (running) [illegible]
   Main PID: [illegible] (python3)
      Tasks: [illegible]
     Memory: [illegible]
        CPU: [illegible]
     CGroup: /system.slice/odoo.service
             └─[illegible] /opt/odoo/venv/bin/python3 /opt/odoo/odoo-bin --config=/etc/odoo.conf

Mar 14 [illegible] kashaf systemd[1]: Started odoo.service - Odoo.
Mar 14 [illegible] kashaf python3[illegible]: [illegible] couldn't create the logfile directory. Logging to the standard output.
Mar 14 [illegible] kashaf python3[illegible]: [illegible] INFO ? odoo: Odoo version [illegible]
Mar 14 [illegible] kashaf python3[illegible]: [illegible] INFO ? odoo: Using configuration file at /etc/odoo.conf
Mar 14 [illegible] kashaf python3[illegible]: [illegible] INFO ? odoo: addons paths: [illegible]
Mar 14 [illegible] kashaf python3[illegible]: [illegible] INFO ? odoo: database: [illegible]
Mar 14 [illegible] kashaf python3[illegible]: [illegible] INFO ? odoo.addons.base.models.ir_actions_report: You need Wkhtmltopdf to print a pdf vers[illegible]
Mar 14 [illegible] kashaf python3[illegible]: [illegible] INFO ? odoo.service.server: HTTP service (werkzeug) running on kashaf:8069
lines 1-20/20 (END)
(venv) kashaf@kashaf:/opt/odoo$ sudo journalctl -u odoo --no-pager -- [illegible]
```

j) Open Odoo on browser of windows



Warning, your Odoo database manager is not protected. To secure it, we have generated the following master password for it:

p68z-vzmh-u5p9

You can change it below but be sure to remember it, it will be asked for future operations on databases.

Master Password ••••

Database Name kashaf

Email i222415@nu.edu.pk

Password ••••

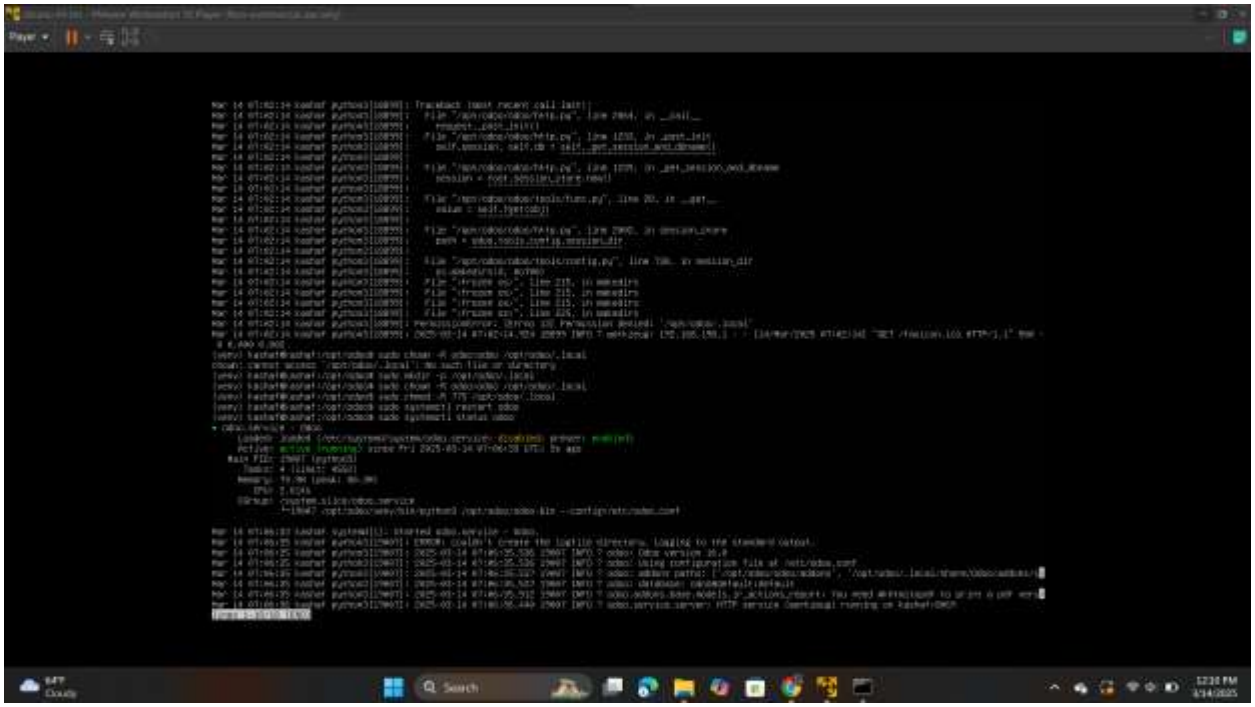
Phone number 03466208273

Language English (US)

Country Pakistan

Demo data □

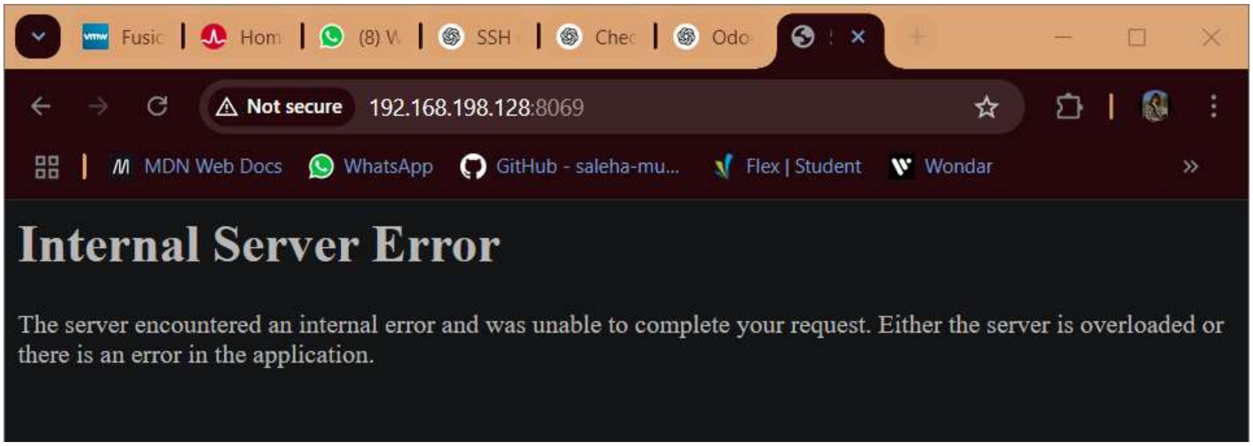
Create database or restore a database



```
Mar 14 07:02:14 kashaf python3[10895]: Traceback (most recent call last):
Mar 14 07:02:14 kashaf python3[10895]:   File "/opt/odoo/odoo/http.py", line 2464, in __call__
Mar 14 07:02:14 kashaf python3[10895]:     request._post_init()
Mar 14 07:02:14 kashaf python3[10895]:   File "/opt/odoo/odoo/http.py", line 1233, in _post_init
Mar 14 07:02:14 kashaf python3[10895]:     self.session, self.db = self._get_session_and_dbname()
Mar 14 07:02:14 kashaf python3[10895]:
Mar 14 07:02:14 kashaf python3[10895]:   File "/opt/odoo/odoo/http.py", line 1335, in _get_session_and_dbname
Mar 14 07:02:14 kashaf python3[10895]:     session = root.session_store.new()
Mar 14 07:02:14 kashaf python3[10895]:
Mar 14 07:02:14 kashaf python3[10895]:   File "/opt/odoo/odoo/tools/func.py", line 28, in __get__
Mar 14 07:02:14 kashaf python3[10895]:     value = self.fget(obj)
Mar 14 07:02:14 kashaf python3[10895]:
Mar 14 07:02:14 kashaf python3[10895]:   File "/opt/odoo/odoo/http.py", line 2005, in session_store
Mar 14 07:02:14 kashaf python3[10895]:     path = odoo.tools.config.session_dir
Mar 14 07:02:14 kashaf python3[10895]:
Mar 14 07:02:14 kashaf python3[10895]:   File "/opt/odoo/odoo/tools/config.py", line 736, in session_dir
Mar 14 07:02:14 kashaf python3[10895]:     os.makedirs(d, 0o700)
Mar 14 07:02:14 kashaf python3[10895]:   File "<frozen os>", line 215, in makedirs
Mar 14 07:02:14 kashaf python3[10895]:   File "<frozen os>", line 215, in makedirs
Mar 14 07:02:14 kashaf python3[10895]:   File "<frozen os>", line 215, in makedirs
Mar 14 07:02:14 kashaf python3[10895]:   File "<frozen os>", line 225, in makedirs
Mar 14 07:02:14 kashaf python3[10895]: PermissionError: [Errno 13] Permission denied: '/opt/odoo/.local'
Mar 14 07:02:14 kashaf python3[10895]: 2025-03-14 07:02:14.924 10895 INFO ? werkzeug: 192.168.198.1 - - [14/Mar/2025 07:02:14] "GET /favicon.ico HTTP/1.1" 500 -
 0 0.000 0.002
(venv) kashaf@kashaf:/opt/odoo$ sudo chown -R odoo:odoo /opt/odoo/.local
chown: cannot access '/opt/odoo/.local': No such file or directory
(venv) kashaf@kashaf:/opt/odoo$ sudo mkdir -p /opt/odoo/.local
(venv) kashaf@kashaf:/opt/odoo$ sudo chown -R odoo:odoo /opt/odoo/.local
(venv) kashaf@kashaf:/opt/odoo$ sudo chmod -R 775 /opt/odoo/.local
(venv) kashaf@kashaf:/opt/odoo$ sudo systemctl restart odoo
(venv) kashaf@kashaf:/opt/odoo$ sudo systemctl status odoo
● odoo.service - Odoo
     Loaded: loaded (/etc/systemd/system/odoo.service; disabled; preset: enabled)
     Active: active (running) since Fri 2025-03-14 07:06:28 UTC; 3s ago
   Main PID: 15007 (python3)
      Tasks: 4 (limit: 4560)
     Memory: 79.3M (peak: 80.3M)
        CPU: 2.613s
     CGroup: /system.slice/odoo.service
             └─15007 /opt/odoo/venv/bin/python3 /opt/odoo/odoo-bin --config=/etc/odoo.conf

Mar 14 07:06:33 kashaf systemd[1]: Started odoo.service - Odoo.
Mar 14 07:06:35 kashaf python3[15007]: ERROR: couldn't create the logfile directory. Logging to the standard output.
Mar 14 07:06:35 kashaf python3[15007]: 2025-03-14 07:06:35.336 15007 INFO ? odoo: Odoo version 18.0
Mar 14 07:06:35 kashaf python3[15007]: 2025-03-14 07:06:35.336 15007 INFO ? odoo: Using configuration file at /etc/odoo.conf
Mar 14 07:06:35 kashaf python3[15007]: 2025-03-14 07:06:35.337 15007 INFO ? odoo: addons paths: ['/opt/odoo/odoo/addons', '/opt/odoo/.local/share/Odoo/addons/1
Mar 14 07:06:35 kashaf python3[15007]: 2025-03-14 07:06:35.337 15007 INFO ? odoo: database: default@default:default
Mar 14 07:06:35 kashaf python3[15007]: 2025-03-14 07:06:35.512 15007 INFO ? odoo.addons.base.models.ir_actions_report: You need Wkhtmltopdf to print a pdf vers
Mar 14 07:06:35 kashaf python3[15007]: 2025-03-14 07:06:35.440 15007 INFO ? odoo.service.server: HTTP service (werkzeug) running on kashaf:8069
lines 1-22/22 (END)
```

7. Troubleshoots and Errors

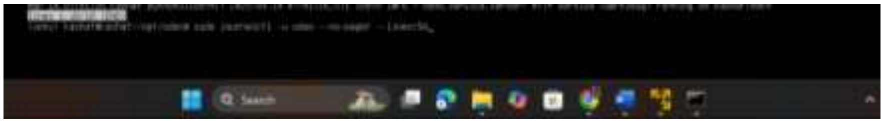
a) Internal Server Error



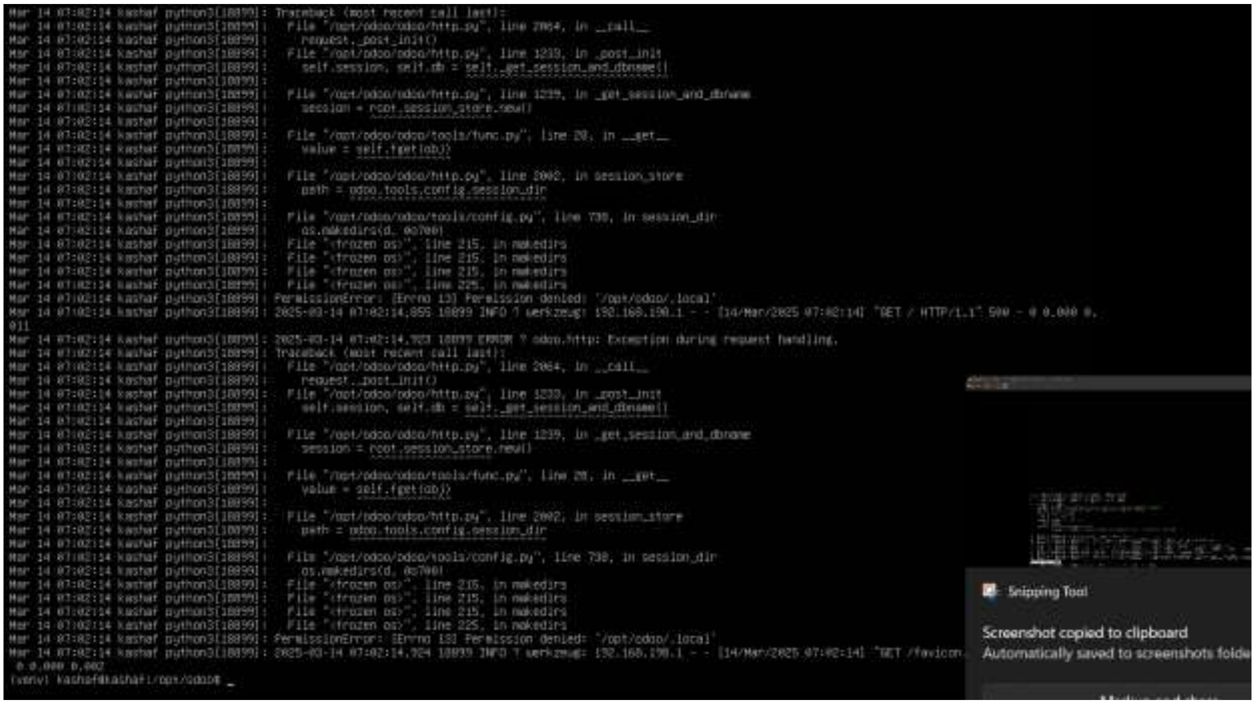
Internal Server Error

The server encountered an internal error and was unable to complete your request. Either the server is overloaded or there is an error in the application.

Even though my odoo was running but still there was some internal server error that I resolved using the following commands:



```
(venv) kashaf@kashaf:/opt/odoo$ sudo journalctl -u odoo --no-pager --lines=50
```



```
Mar 14 07:02:14 kashaf python3[18899]: Traceback (most recent call last):
Mar 14 07:02:14 kashaf python3[18899]:   File "/opt/odoo/odoo/http.py", line 2064, in __call__
Mar 14 07:02:14 kashaf python3[18899]:     request._post_init()
Mar 14 07:02:14 kashaf python3[18899]:   File "/opt/odoo/odoo/http.py", line 1233, in _post_init
Mar 14 07:02:14 kashaf python3[18899]:     self.session, self.db = self._get_session_and_dbname()
Mar 14 07:02:14 kashaf python3[18899]:                             ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Mar 14 07:02:14 kashaf python3[18899]:   File "/opt/odoo/odoo/http.py", line 1239, in _get_session_and_dbname
Mar 14 07:02:14 kashaf python3[18899]:     session = root.session_store.new()
Mar 14 07:02:14 kashaf python3[18899]:               ^^^^^^^^^^^^^^^^^^
Mar 14 07:02:14 kashaf python3[18899]:   File "/opt/odoo/odoo/tools/func.py", line 28, in __get__
Mar 14 07:02:14 kashaf python3[18899]:     value = self.fget(obj)
Mar 14 07:02:14 kashaf python3[18899]:             ^^^^^^^^^^^^^^
Mar 14 07:02:14 kashaf python3[18899]:   File "/opt/odoo/odoo/http.py", line 2002, in session_store
Mar 14 07:02:14 kashaf python3[18899]:     path = odoo.tools.config.session_dir
Mar 14 07:02:14 kashaf python3[18899]:            ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Mar 14 07:02:14 kashaf python3[18899]:   File "/opt/odoo/odoo/tools/config.py", line 738, in session_dir
Mar 14 07:02:14 kashaf python3[18899]:     os.makedirs(d, 0o700)
Mar 14 07:02:14 kashaf python3[18899]:   File "<frozen os>", line 215, in makedirs
Mar 14 07:02:14 kashaf python3[18899]:   File "<frozen os>", line 215, in makedirs
Mar 14 07:02:14 kashaf python3[18899]:   File "<frozen os>", line 215, in makedirs
Mar 14 07:02:14 kashaf python3[18899]:   File "<frozen os>", line 225, in makedirs
Mar 14 07:02:14 kashaf python3[18899]: PermissionError: [Errno 13] Permission denied: '/opt/odoo/.local'
Mar 14 07:02:14 kashaf python3[18899]: 2025-03-14 07:02:14,855 18899 INFO ? werkzeug: 192.168.198.1 - - [14/Mar/2025 07:02:14] "GET / HTTP/1.1" 500 - 0 0.000 0.
011
Mar 14 07:02:14 kashaf python3[18899]: 2025-03-14 07:02:14,923 18899 ERROR ? odoo.http: Exception during request handling.
Mar 14 07:02:14 kashaf python3[18899]: Traceback (most recent call last):
Mar 14 07:02:14 kashaf python3[18899]:   File "/opt/odoo/odoo/http.py", line 2064, in __call__
Mar 14 07:02:14 kashaf python3[18899]:     request._post_init()
Mar 14 07:02:14 kashaf python3[18899]:   File "/opt/odoo/odoo/http.py", line 1233, in _post_init
Mar 14 07:02:14 kashaf python3[18899]:     self.session, self.db = self._get_session_and_dbname()
Mar 14 07:02:14 kashaf python3[18899]:                             ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Mar 14 07:02:14 kashaf python3[18899]:   File "/opt/odoo/odoo/http.py", line 1239, in _get_session_and_dbname
Mar 14 07:02:14 kashaf python3[18899]:     session = root.session_store.new()
Mar 14 07:02:14 kashaf python3[18899]:               ^^^^^^^^^^^^^^^^^^
Mar 14 07:02:14 kashaf python3[18899]:   File "/opt/odoo/odoo/tools/func.py", line 28, in __get__
Mar 14 07:02:14 kashaf python3[18899]:     value = self.fget(obj)
Mar 14 07:02:14 kashaf python3[18899]:             ^^^^^^^^^^^^^^
Mar 14 07:02:14 kashaf python3[18899]:   File "/opt/odoo/odoo/http.py", line 2002, in session_store
Mar 14 07:02:14 kashaf python3[18899]:     path = odoo.tools.config.session_dir
Mar 14 07:02:14 kashaf python3[18899]:            ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
Mar 14 07:02:14 kashaf python3[18899]:   File "/opt/odoo/odoo/tools/config.py", line 738, in session_dir
Mar 14 07:02:14 kashaf python3[18899]:     os.makedirs(d, 0o700)
Mar 14 07:02:14 kashaf python3[18899]:   File "<frozen os>", line 215, in makedirs
Mar 14 07:02:14 kashaf python3[18899]:   File "<frozen os>", line 215, in makedirs
Mar 14 07:02:14 kashaf python3[18899]:   File "<frozen os>", line 215, in makedirs
Mar 14 07:02:14 kashaf python3[18899]:   File "<frozen os>", line 225, in makedirs
Mar 14 07:02:14 kashaf python3[18899]: PermissionError: [Errno 13] Permission denied: '/opt/odoo/.local'
Mar 14 07:02:14 kashaf python3[18899]: 2025-03-14 07:02:14,924 18899 INFO ? werkzeug: 192.168.198.1 - - [14/Mar/2025 07:02:14] "GET /favicon
 0 0.000 0.002
(venv) kashaf@kashaf:/opt/odoo$ _
```

Snipping Tool

Screenshot copied to clipboard
Automatically saved to screenshots folde

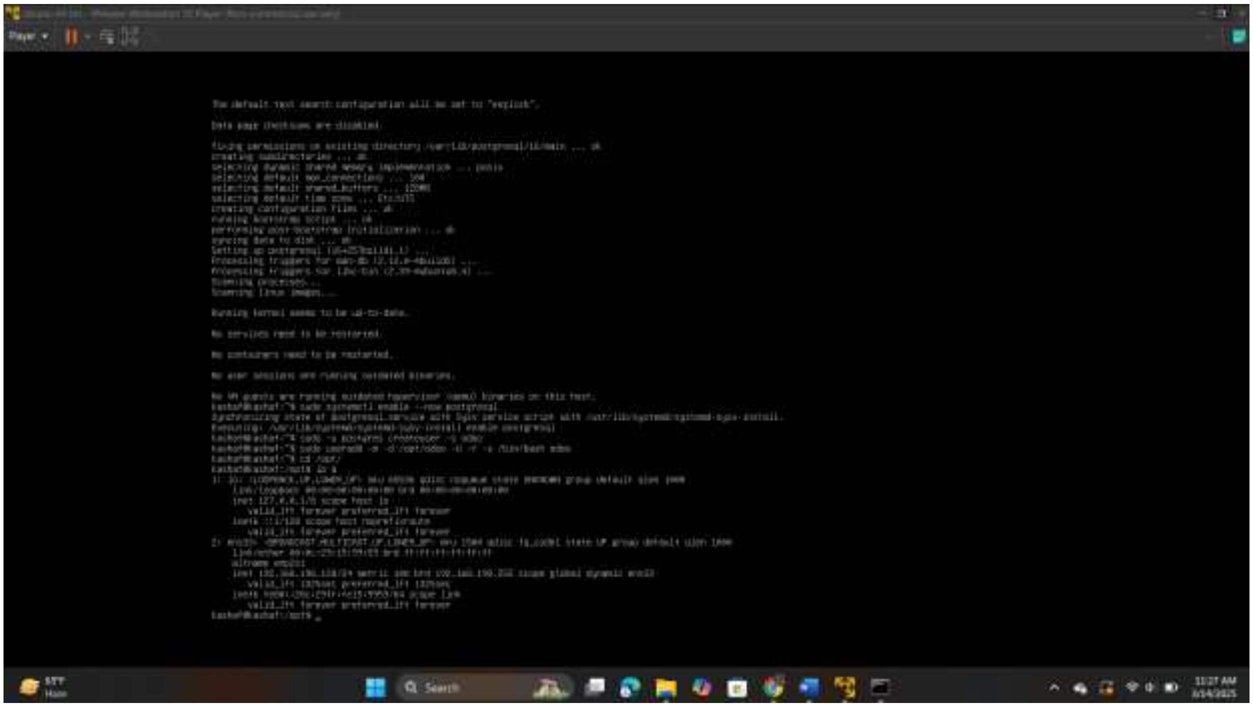
And then changed permissions using:

```
sudo chown -R odoo:odoo /opt/odoo
```

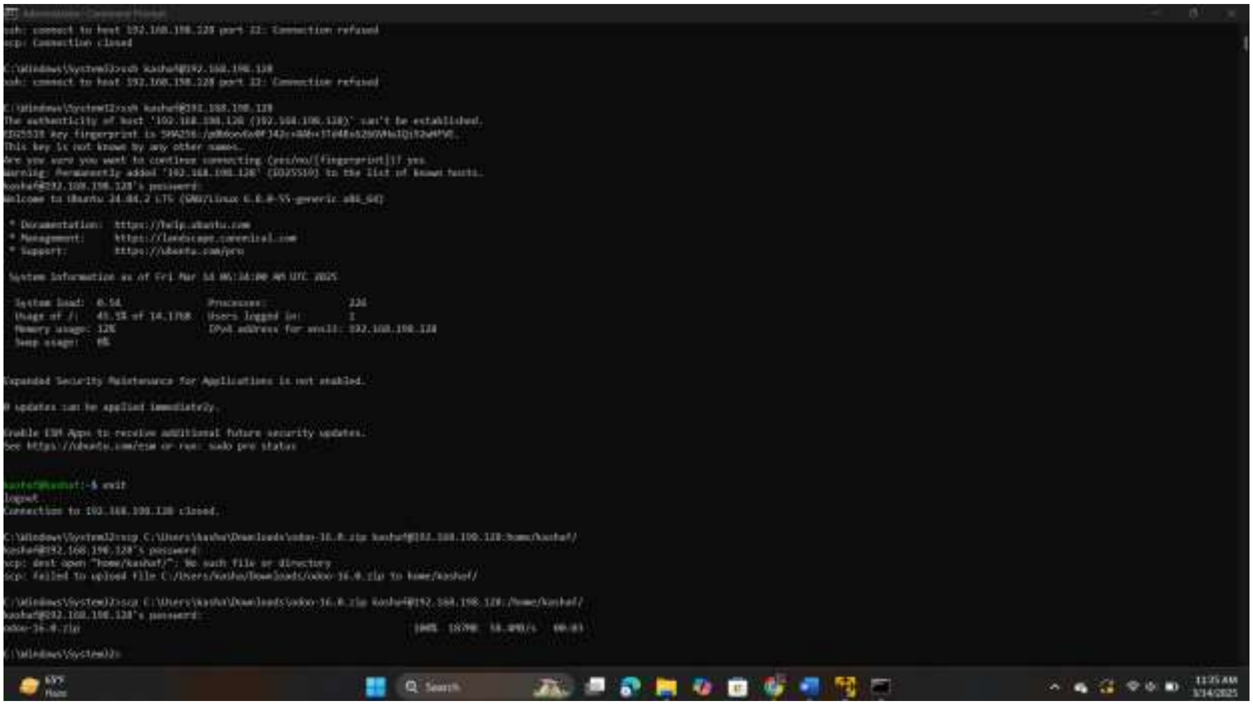
```
sudo chmod -R 755 /opt/odoo
```

b) *Error while cloning:*

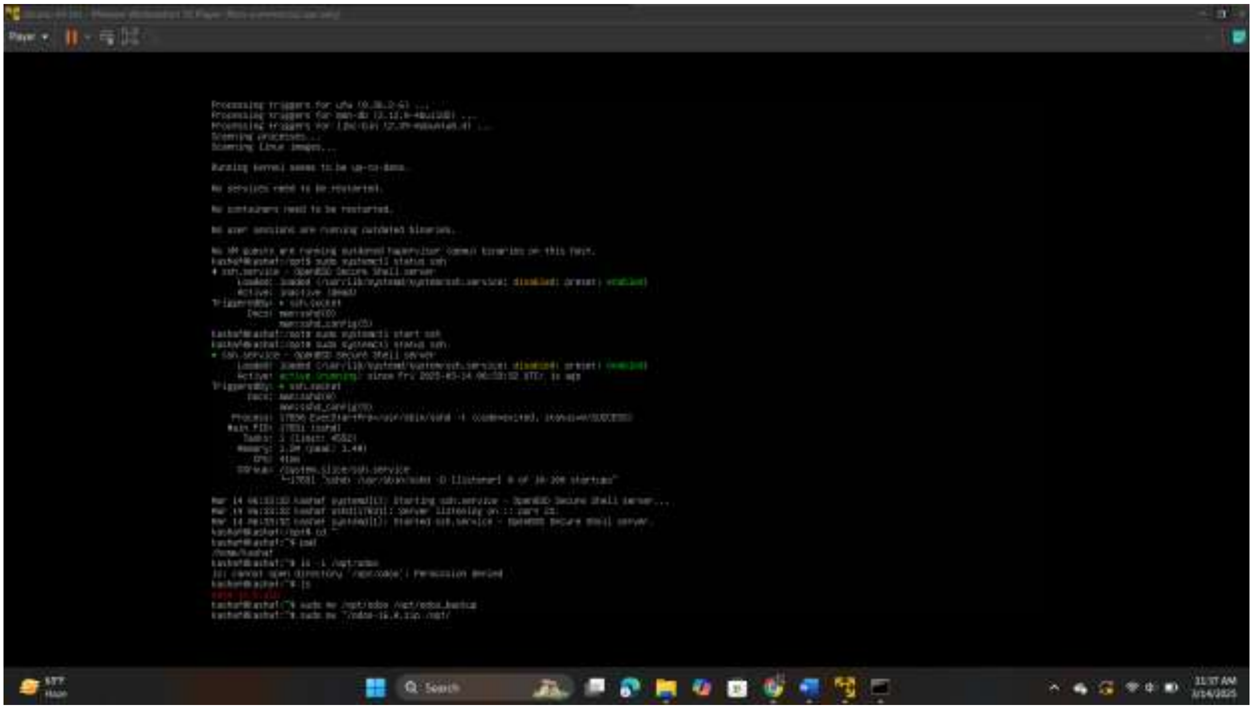
Get your ip address of VMware and move downloaded zip file from you PC's host location in to home/root directory of VMware



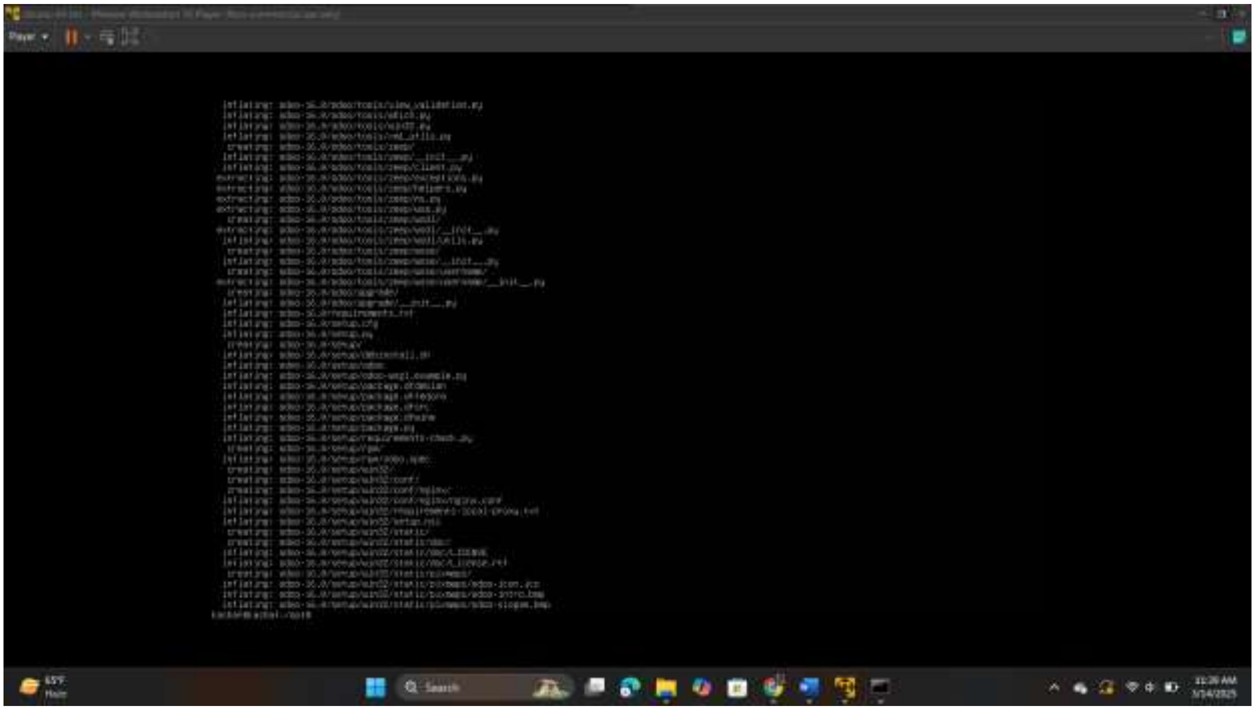
```
The default text search configuration will be set to "english".

Data page checksums are disabled.

fixing permissions on existing directory /var/lib/postgresql/16/main ... ok
creating subdirectories ... ok
selecting dynamic shared memory implementation ... posix
selecting default max_connections ... 100
selecting default shared_buffers ... 128MB
selecting default time zone ... Etc/UTC
creating configuration files ... ok
running bootstrap script ... ok
performing post-bootstrap initialization ... ok
syncing data to disk ... ok
Setting up postgresql (16+257build1.1) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.4) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
kashaf@kashaf:~$ sudo systemctl enable --now postgresql
Synchronizing state of postgresql.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable postgresql
kashaf@kashaf:~$ sudo -u postgres createuser -s odoo
kashaf@kashaf:~$ sudo useradd -m -d /opt/odoo -U -r -s /bin/bash odoo
kashaf@kashaf:~$ cd /opt/
kashaf@kashaf:/opt$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
       valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:15:59:e3 brd ff:ff:ff:ff:ff:ff
    altname enp2s1
    inet 192.168.198.128/24 metric 100 brd 192.168.198.255 scope global dynamic ens33
       valid_lft 1325sec preferred_lft 1325sec
    inet6 fe80::20c:29ff:fe15:59e3/64 scope link
       valid_lft forever preferred_lft forever
kashaf@kashaf:/opt$ _
```



```
ssh: connect to host 192.168.198.128 port 22: Connection refused
scp: Connection closed

C:\Windows\System32>ssh kashaf@192.168.198.128
ssh: connect to host 192.168.198.128 port 22: Connection refused

C:\Windows\System32>ssh kashaf@192.168.198.128
The authenticity of host '192.168.198.128 (192.168.198.128)' can't be established.
ED25519 key fingerprint is SHA256:[illegible]
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.198.128' (ED25519) to the list of known hosts.
kashaf@192.168.198.128's password:
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-55-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

 System information as of Fri Mar 14 06:16:00 AM UTC 2025

  System load:  0.56               Processes:              226
  Usage of /:   45.5% of 14.17GB   Users logged in:        1
  Memory usage: 12%                IPv4 address for ens33: 192.168.198.128
  Swap usage:   0%


Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status


kashaf@kashaf:~$ exit
logout
Connection to 192.168.198.128 closed.

C:\Windows\System32>scp C:\Users\kasha\Downloads\odoo-16.0.zip kashaf@192.168.198.128:home/kashaf/
kashaf@192.168.198.128's password:
scp: dest open "home/kashaf/": No such file or directory
scp: failed to upload file C:/Users/kasha/Downloads/odoo-16.0.zip to home/kashaf/

C:\Windows\System32>scp C:\Users\kasha\Downloads\odoo-16.0.zip kashaf@192.168.198.128:/home/kashaf/
kashaf@192.168.198.128's password:
odoo-16.0.zip                                                 100%  197MB  58.4MB/s   00:03

C:\Windows\System32>
```



```
Processing triggers for ufw (0.36.2-6) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.4) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
kashaf@kashaf:/opt$ sudo systemctl status ssh
○ ssh.service - OpenBSD Secure Shell server
     Loaded: loaded (/usr/lib/systemd/system/ssh.service; disabled; preset: enabled)
     Active: inactive (dead)
TriggeredBy: ● ssh.socket
       Docs: man:sshd(8)
             man:sshd_config(5)
kashaf@kashaf:/opt$ sudo systemctl start ssh
kashaf@kashaf:/opt$ sudo systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
     Loaded: loaded (/usr/lib/systemd/system/ssh.service; disabled; preset: enabled)
     Active: active (running) since Fri 2025-03-14 06:33:32 UTC; 1s ago
TriggeredBy: ● ssh.socket
       Docs: man:sshd(8)
             man:sshd_config(5)
    Process: 17836 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Main PID: 17831 (sshd)
      Tasks: 1 (limit: 4552)
     Memory: 1.2M (peak: 1.4M)
        CPU: 41ms
     CGroup: /system.slice/ssh.service
             └─17831 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Mar 14 06:33:32 kashaf systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
Mar 14 06:33:32 kashaf sshd[17831]: Server listening on :: port 22.
Mar 14 06:33:32 kashaf systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
kashaf@kashaf:/opt$ cd ~
kashaf@kashaf:~$ pwd
/home/kashaf
kashaf@kashaf:~$ ls -l /opt/odoo
ls: cannot open directory '/opt/odoo': Permission denied
kashaf@kashaf:~$ ls
[illegible]
kashaf@kashaf:~$ sudo mv /opt/odoo /opt/odoo_backup
kashaf@kashaf:~$ sudo mv ~/odoo-16.0.zip /opt/
```



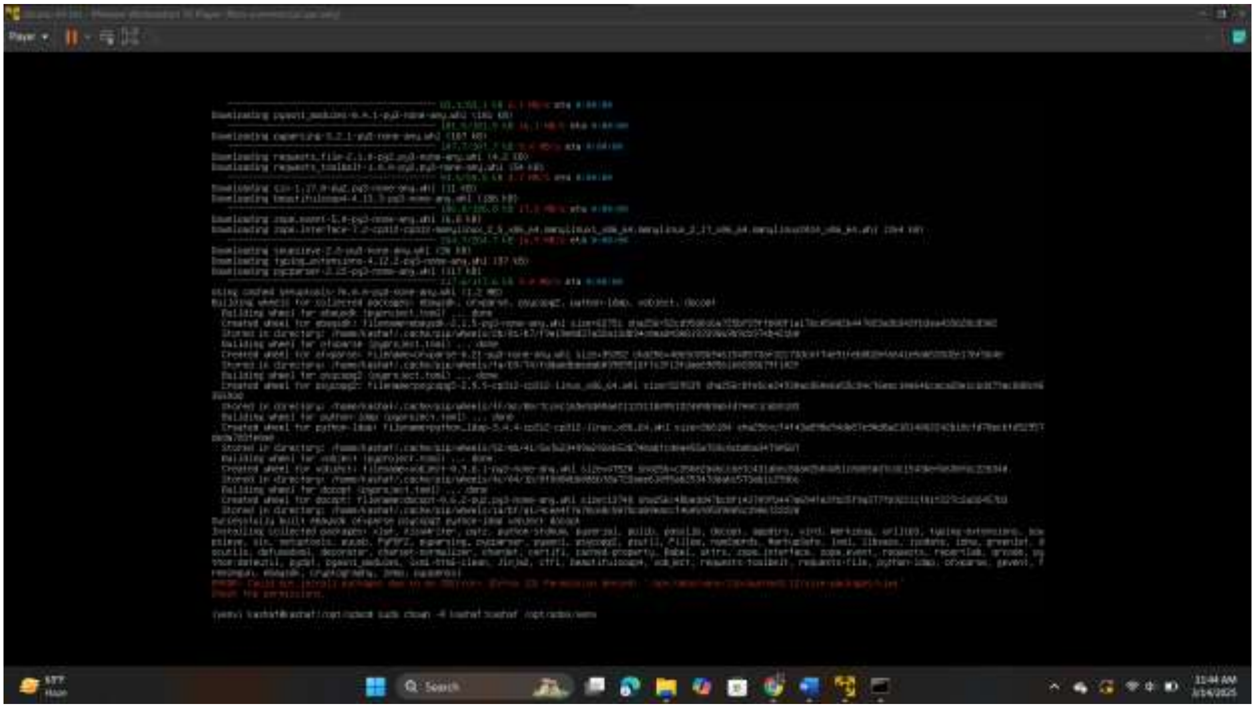
```
  inflating: odoo-16.0/odoo/tools/view_validation.py
  inflating: odoo-16.0/odoo/tools/which.py
  inflating: odoo-16.0/odoo/tools/win32.py
  inflating: odoo-16.0/odoo/tools/xml_utils.py
   creating: odoo-16.0/odoo/tools/zeep/
  inflating: odoo-16.0/odoo/tools/zeep/__init__.py
  inflating: odoo-16.0/odoo/tools/zeep/client.py
 extracting: odoo-16.0/odoo/tools/zeep/exceptions.py
 extracting: odoo-16.0/odoo/tools/zeep/helpers.py
 extracting: odoo-16.0/odoo/tools/zeep/ns.py
 extracting: odoo-16.0/odoo/tools/zeep/wsa.py
   creating: odoo-16.0/odoo/tools/zeep/wsdl/
 extracting: odoo-16.0/odoo/tools/zeep/wsdl/__init__.py
  inflating: odoo-16.0/odoo/tools/zeep/wsdl/utils.py
   creating: odoo-16.0/odoo/tools/zeep/wsse/
  inflating: odoo-16.0/odoo/tools/zeep/wsse/__init__.py
   creating: odoo-16.0/odoo/tools/zeep/wsse/username/
 extracting: odoo-16.0/odoo/tools/zeep/wsse/username/__init__.py
   creating: odoo-16.0/odoo/upgrade/
  inflating: odoo-16.0/odoo/upgrade/__init__.py
  inflating: odoo-16.0/requirements.txt
  inflating: odoo-16.0/setup.cfg
  inflating: odoo-16.0/setup.py
   creating: odoo-16.0/setup/
  inflating: odoo-16.0/setup/debinstall.sh
  inflating: odoo-16.0/setup/odoo
  inflating: odoo-16.0/setup/odoo-wsgi.example.py
  inflating: odoo-16.0/setup/package.dfdebian
  inflating: odoo-16.0/setup/package.dfedora
  inflating: odoo-16.0/setup/package.dfsrc
  inflating: odoo-16.0/setup/package.dfwine
  inflating: odoo-16.0/setup/package.py
  inflating: odoo-16.0/setup/requirements-check.py
   creating: odoo-16.0/setup/rpm/
  inflating: odoo-16.0/setup/rpm/odoo.spec
   creating: odoo-16.0/setup/win32/
   creating: odoo-16.0/setup/win32/conf/
   creating: odoo-16.0/setup/win32/conf/nginx/
  inflating: odoo-16.0/setup/win32/conf/nginx/nginx.conf
  inflating: odoo-16.0/setup/win32/requirements-local-proxy.txt
  inflating: odoo-16.0/setup/win32/setup.nsi
   creating: odoo-16.0/setup/win32/static/
   creating: odoo-16.0/setup/win32/static/doc/
  inflating: odoo-16.0/setup/win32/static/doc/LICENSE
  inflating: odoo-16.0/setup/win32/static/doc/License.txt
   creating: odoo-16.0/setup/win32/static/pixmaps/
  inflating: odoo-16.0/setup/win32/static/pixmaps/odoo-icon.ico
  inflating: odoo-16.0/setup/win32/static/pixmaps/odoo-intro.bmp
  inflating: odoo-16.0/setup/win32/static/pixmaps/odoo-slogan.bmp
kashaf@kashaf:/opt$
```

c) *Error while installing requirements.txt*

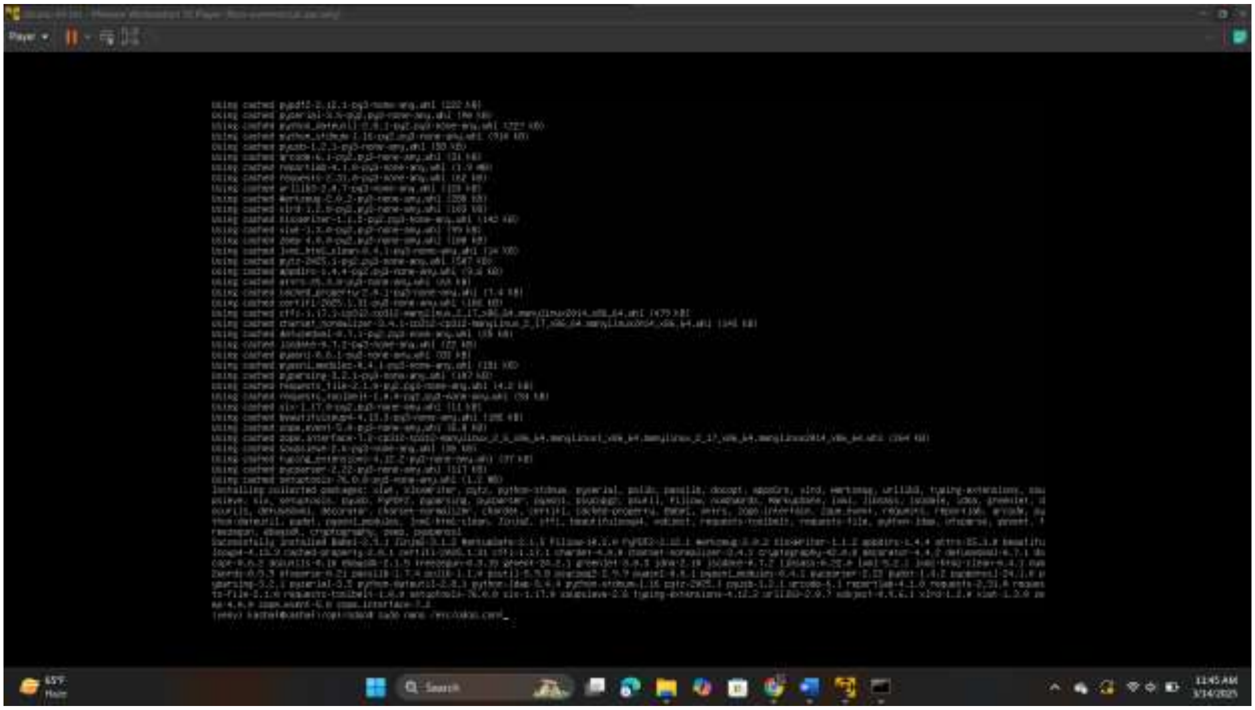
Solved by:

Grant permissions: sudo chown -R kashaf:kashaf/opt/odoo/venv source venv/bin/activate

pip3 install -r requirements.txt



```
[illegible]
(venv) kashaf@kashaf:/opt/odoo$ sudo chown -R kashaf:kashaf /opt/odoo/venv
```



```
[illegible]
(venv) kashaf@kashaf:/opt/odoo$ sudo nano /etc/odoo.conf
```