Setting up SSH to virtual machine:

```
Prishank@colabos*Passovd:
Welcome to Ubuntu 24,04.115 (GMU/Linux 6.8.0-51-generic aarch64)

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

removing Python from the system:

```
rishank@stt:~/python310_build/Python-3.10.11$ sudo apt list | grep -i python3.10
WARNING: apt does not have a stable CLI interface. Use with caution in scripts.
rishank@stt:~/python310_build/Python-3.10.11$
```

```
rishank@stt:~$ history -c && history -w
rishank@stt:~$ history
1 history
rishank@stt:~$ ■
```

```
rishank@stt:~/python310_build/Python-3.10.11$ history

1 history
rishank@stt:~/python310_build/Python-3.10.11$ cd ~/downloads
rishank@stt:~/downloads$ wget https://www.python.org/ftp/python/3.10.11/Python-3.10.11.tgz
```

Getting pip not found error after normal installation:

```
make: **** [Makelite:1329: attullinstatt] ETFOLIT
rishank@stt:-/downloads/Python-3.10.11$ python3.10 -m venv ~/envs/py310env
rishank@stt:-/downloads/Python-3.10.11$ python3.10 -m venv
usage: venv [-h] [--system-site-packages] [--symlinks | --copies] [--clear] [--upgrade] [--without-pip] [--prompt PROMPT] [--upgrade-deps]
ENV_DIR [ENV_DIR ...]
venv: error: the following arguments are required: ENV_DIR
rishank@stt:-/downloads/Python-3.10.11$ pip install label-studio
Command 'pip' not found, but can be installed with:
sudo apt install python3-pip
rishank@stt:-/downloads/Python-3.10.11$
```

Configuring with ensure pip:

```
rishank@stt:~\square\square\noofigure\
--prefix=$HOME/local/python310\
--enable-optimizations\
--with-ensurepip=install

checking for --with-static-libpython... yes
checking for --withstatic-libpython... yes
checking for --withstatic-libpython... yes
checking for --withstatic-libpython... yes
checking for --with-static-libpython... yes
checking for --with-static-libpython... yes
checking for --with-static-libpython... yes
checking for --with-static-libpython... yes
config.status: creating Makefile.pre
config.status: creating Makefile.pre
config.status: creating Misc/python-embed.pc
config.status: creating Misc/python-config.sh
config.status: creating Misc/python-config.sh
config.status: pyconfig.h is unchanged
creating Modules/Setup.local
creating Modules/Set
```

```
"ishank@stt:~/downloads/Python=3.10.11$ echo 'export PATH=$HOME/local/python310/bin:$PATH' >> ~/.bashrc
echo 'export PYTHONPATH=$HOME/local/python310/lib/python3.10/site-packages:$PYTHONPATH' >> ~/.bashrc
Run Testcases \hspace{.1cm} \otimes \hspace{.1cm} 0 \hspace{.1cm} 	ag{ } \otimes \hspace{.1cm} 0 \hspace{.1cm} 	ag{ } \otimes \hspace{.1cm}  Live Share
```

Getting SSL error when installing pip:

```
python -c "import numpy; print(numpy.__version__)"

WARNING: pip is configured with locations that require TLS/SSL, however the ssl module in Python is not available.

WARNING: Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError("Can't connect to HTTPS URL because the SSL module is not available.")': /simple/numpy/

WARNING: Retrying (Retry(total=3, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError("Can't connect to HTTPS URL because the SSL module is not available.")': /simple/numpy/

WARNING: Retrying (Retry(total=2, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError("Can't connect to HTTPS URL because the SSL module is not available.")': /simple/numpy/

WARNING: Retrying (Retry(total=1, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError("Can't connect to HTTPS URL because the SSL module is not available.")': /simple/numpy/

WARNING: Retrying (Retry(total=0, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError("Can't connect to HTTPS URL because the SSL module is not available.")': /simple/numpy/

WARNING: Retrying (Retry(total=0, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError("Can't connect to HTTPS URL because the SSL module is not available.")': /simple/numpy/

WARNING: Retrying (Retry(total=0, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError("Can't connect to HTTPS URL because the SSL module is not available.")': /simple/numpy/

WARNING: Retrying (Retry(total=0, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError("Can't connect to HTTPS URL because the SSL module is not available.")': /simple/numpy/

WARNING: Retrying (Retry(total=1, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLError("Can't connect to HTTPS URL because the S
  ERROR: No matching distribution found for numpy (From versions: none)

WARNING: pip is configured with locations that require TLS/SSL, however the ssl module in Python is not available.

Could not fetch URL https://pypi.org/simple/pip/: There was a problem confirming the ssl certificate: HTTPSConnectionPool(host='pypi.org', port=443): Max retries exceeded with url: /simple/pip/ (Caused by SSLError("Can't connect to HTTPS URL because the SSL module is not available.")) – skipping

Traceback (most recent call last):
```

Configuring ssl with pip:

```
(py310env) rishank@stt:\sim/downloads$ tar xzf openssl-1.1.1w.tar.gz cd openssl-1.1.1w (py310env) rishank@stt:\sim/downloads/openssl-1.1.1w$ ./config —prefix=$HOME/local/openssl
(py310env) rishank@stt:~/downloads/openssl-1.1.lw$ ./config --prefix=$HOME/local/openssl Operating system: aarch64-whatever-linux2 Configuring OpenSSL version 1.1.lw (0x1010117fL) for linux-aarch64 Using os-specific seed configuration Creating configdata.pm Creating Makefile
*****************
***
            OpenSSL has been successfully configured
            If you encounter a problem while building, please open an issue on GitHub <a href="https://github.com/openssl/openssl/issues">https://github.com/openssl/openssl/issues</a> and include the output from the following command:
***
***
                                                                                                                                     ***
                   perl configdata.pm --dump
***
                                                                                                                                     ***
***
            (If you are new to OpenSSL, you might want to consult the 'Troubleshooting' section in the INSTALL file first) \,
***
                                                                                                                                     ***
 /nome/Fishank/locat/opensst/share/doc/opensst/ntmt/man//x509.ntmt (py310env) rishank@stt:~/downloads/openssl-1.1.lw$ cd ~/downloads/Python-3.10.11 (py310env) rishank@stt:~/downloads/Python-3.10.11$ ./configure \
--prefix=$HOME/local/python310 \
--with-openssl=$HOME/local/openssl \
--with-openssl-spatheauto \
--with-openssl-optimizations
             -enable-optimizations
 config.status: creating pyconfig.n
config.status: pyconfig.h is unchanged
creating Modules/Setup.local
creating Makefile
(py310env) rishank@stt:~/downloads/Python-3.10.11$ make clean
     ake -j$(nproc)
(py310env) rishank@stt:~/downloads/Python-3.10.11$ echo 'export LD_LIBRARY_PATH=$HOME/local/openssl/lib:$LD_LIBRARY_PATH' >> ~/.bashrc (py310env) rishank@stt:~/downloads/Python-3.10.11$ source ~/.bashrc
```

```
rishank@stt:~/downloads/Python-3.10.11$ ~\local/python310/bin/python3.10 -m venv ~/envs/py310env rishank@stt:~/downloads/Python-3.10.11$ source ~/envs/py310env/bin/activate (py310env) rishank@stt:~/downloads/Python-3.10.11$
```

```
Read environment variables from: /home/rishank/.local/share/label-studio/.env
paring new INTES. connection (3): pppl.org.443
file project (4): file project
```

Configuring sqlite with python:

```
rishank@stt:~$ ./configure \
    --prefix=$HOME/local/python310 \
    --enable-loadable-sqlite-extensions \
    --with-sqlite3=$HOME/local/sqlite \
    --enable-optimizations

rishank@stt:~/downloads$ make clean
make -j$(nproc)
make install

rishank@stt:~/downloads$ ~/local/python310/bin/python3.10 -m venv ~/envs/py310env
source ~/envs/py310env/bin/activate

(py310env) rishank@stt:~/downloads/Python-3.10.11$ python -c "import sqlite3; print(sqlite3.sqlite_version)"
3.45.0

(py310env) rishank@stt:~/downloads/Python-3.10.11$ pip install label-studio
Requirement already satisfied: label-studio in /home/rishank/envs/py310env/lib/python3.10/site-packages (1.15.0)
```

```
^C(py310env) rishank@stt:~/downloads/Python-3.10.11$ label-studio start

Database and media directory: /home/rishank/.local/share/label-studio

Database and media directory: /home/rishank/.local/share/label-studio

Static URL is set to: /static/

Read environment variables from: /home/rishank/.local/share/label-studio/.env
get 'SECRET_KEY' casted as '<class 'str'>' with default ''
Starting new HTTPS connection (1): pypi.org:443

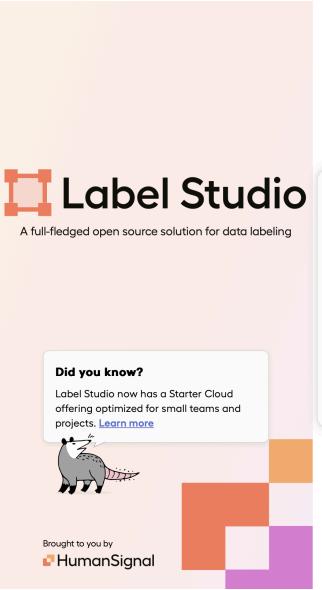
https://pypi.org:443 "GET /pypi/label-studio/json HTTP/1.1" 200 33651

January 24, 2025 - 16:45:13

Django version 4.2.18, using settings 'label_studio.core.settings.label_studio'
Starting development server at http://0.0.0.0:8080/
Quit the server with CONTROL-C.
```

setting up host from the virtual machine to host machine for browsing:

```
🧿 🥚 🌑 🖿 rishanksoni — rishank@stt: ~ — ssh -L 8080:localhost:8080 rishank@localhost -p 2222 — 102×42
rishanksoni@Rishanks-MacBook-Air ~ % ssh -L 8080:localhost:8080 rishank@localhost -p 2222
rishank@localhost's password:
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-51-generic aarch64)
* Documentation: https://help.ubuntu.com
                  https://landscape.canonical.com
* Management:
* Support:
                  https://ubuntu.com/pro
System information as of Fri Jan 24 04:46:32 PM UTC 2025
 System load:
                           0.19
 Usage of /:
                           28.2% of 18.02GB
 Memory usage:
                           34%
 Swap usage:
                           0%
 Processes:
                           93
 Users logged in:
                           1
 IPv4 address for enp0s8: 10.0.2.15
 IPv6 address for enp0s8: fd00::a00:27ff:fec6:c82f
Expanded Security Maintenance for Applications is not enabled.
 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
Last login: Fri Jan 24 15:57:55 2025 from 10.0.2.2 rishank@stt:~$ ■
```



	L	og in	
Email Add	ess		
Password			
✓ Keep	me logged in th	nis browser	
			_
		Log in	

Don't have an account? Sign up