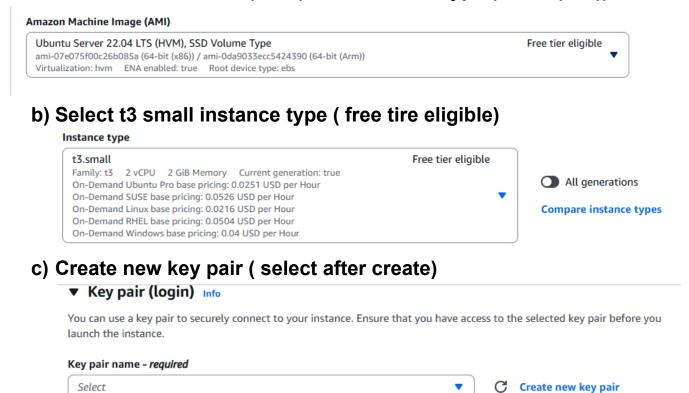
Setup Custom linux OS Yocto Project and build a custom Linux image (core-image-minimal) using **BitBake**.

Follow below steps:

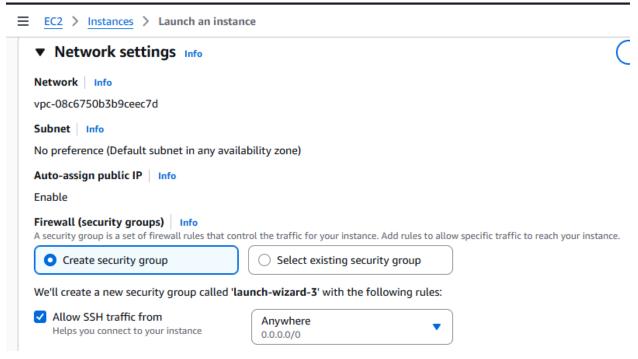
Step1:

a) I need to create aws Ubuntu Server. Choose the version below in aws.

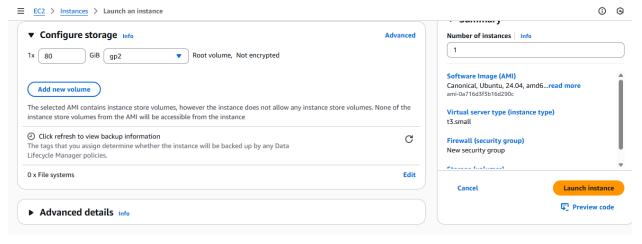
Ubuntu Server 22.04 LTS (HVM), SSD Volume Type (64-bit (x86))



d) Select network settings



e) Setup configure storage



- f) Click on launch instance: ubuntu server has been created. Step2:
 - a) how to connect aws ubuntu server:

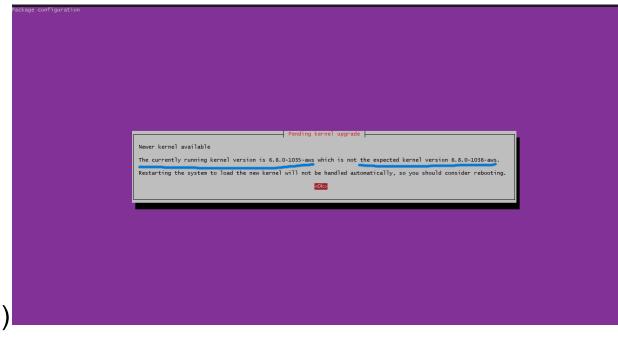
Run the below command in git bash.

```
ubuntu@ip-172-31-20-44: ~/poky/build
casev@DESKTOP-OUQR4P5 MINGW64 ~ (master)
$ ssh -i /c/Users/kasev/Downloads/aws_key_manju_mail.pem.pem ubuntu@13.49.75.37
The authenticity of host '13.49./5.3/ (13.49./5.3/)' can't be established.
ED25519 key fingerprint is SHA256:9p00jWwwf4/h3lAFTZF6uJCfHX+PFAUta6R37EL2x9Q.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '13.49.75.37' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.5 LTS (GNU/Linux 6.8.0-1035-aws x86_64)
 * Documentation: https://help.ubuntu.com
 * Management:
                  https://landscape.canonical.com
                  https://ubuntu.com/pro
 * Support:
 System information as of Sun Aug 31 12:07:17 UTC 2025
  System load: 0.01
                                  Processes:
                                                         111
 Usage of /: 2.2% of 77.35GB Users logged in:
 Memory usage: 11%
                                 IPv4 address for ens5: 172.31.20.44
  Swap usage:
Expanded Security Maintenance for Applications is not enabled.
O updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
The list of available updates is more than a week old.
To check for new updates run: sudo apt update
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
ubuntu@ip-172-31-20-44:~$ ls 🗲
```

Once connected to the ubuntu server run below syntax to build a custom Linux image in ubuntu server.

- b) Isb_release -a to Check Ubuntu version and flavor
- c) sudo apt update && sudo apt upgrade -y

d)Once run above cmd, will get below kernel version upgrade output.



f) sudo reboot

pylint xterm

g) uname -r

```
h)sudo apt update
sudo apt install -y \
gawk wget git diffstat unzip texinfo
gcc-multilib \
build-essential chrpath socat cpio python3
python3-pip \
python3-pexpect xz-utils debianutils
iputils-ping \
python3-git python3-jinja2 libegl1-mesa
libsdl1.2-dev \
```

- i) sudo fallocate -l 4G /swapfile
- j) sudo chmod 600 /swapfile
- k)sudo mkswap /swapfile
- I) sudo swapon /swapfile
- m) swapon --show
- n)echo '/swapfile none swap sw 0 0' | sudo tee -a /etc/fstab
- o)free -h
- p)cd ~
- q)Ls
- r) Pwd
- s)git clone git://git.yoctoproject.org/poky
- t) cd poky
- u)Pwd
- v)git checkout scarthgap
- w) git branch
- x)source oe-init-build-env
- y)cd ..
- z)Ls
- aa) cd build/
- bb) bitbake core-image-minimal

dd) sudo apt updateee) sudo apt install lz4ff)bitbake core-image-minimal

```
whentherp-172-31-20-44-/potyboid

- □ ×

Preparity 12 Unique. ... / Year 2-7-10-21 ...

Preparity 13 Unique for man-de (2-10.7-1) ...

Scanning lines images...

No services need to be restarted.

No services need to be restarted.

No services need to be restarted.

No user ressions are running outdated binaries.

No Wigests are running outdat
```