Setup Teston locally Ubuntu 18.04

Create SDN user

Create use sdn on the machine
sudo useradd -m -d /home/sdn/ sdn

Set a password
sudo passwd sdn

Add sdn to sudo group
sudo usermod -aG sudo sdn

Modify sudo config file to allow sdn to do sudo without requiring password
sudo visudo
In the popup file, add the following line
sdn ALL=(ALL) NOPASSWD:ALL

Run the following commands
sudo apt-get update
sudo apt-get install openssh-server
ssh sdn@localhost (with password)
Exit sdn
ssh-copy-id sdn@localhost

You should be able to ssh to sdn without password.

ssh to sdn and run the following commands
sudo apt install git
cd ~
git clone https://github.com/opennetworkinglab/onos
export ONOS_ROOT=~/onos
source $ONOS_ROOT/tools/dev/bash_profile

Install Bazel and python
sudo apt install curl gnupg
curl -fsSL https://bazel.build/bazel-release.pub.gpg | gpg --dearmor > bazel.gpg
sudo mv bazel.gpg /etc/apt/trusted.gpg.d/
echo "deb [arch=amd64] https://storage.googleapis.com/bazel-apt stable jdk1.8" |
sudo tee /etc/apt/sources.list.d/bazel.list
sudo apt update && sudo apt install bazel
sudo apt update && sudo apt full-upgrade
sudo apt update && sudo apt install bazel-3.0.0
sudo apt install openjdk-11-jdk
sudo apt install python
sudo apt install python3

Build ONOS with Bazel
`bazel build onos`

Exit sdn

Clone TestOn on the main user
`cd ~`
`git clone https://github.com/opennetworkinglab/OnosSystemTest`

You should be able to run a sample test from the main user now.
If any unforeseen issue comes up, it is always helpful to look at the logs of the test and pinpoint the issue. The logs are located under

`OnosSystemTest/TestON/logs/[NameOfTheTest_Timestamp]/`