Instructions (setup)

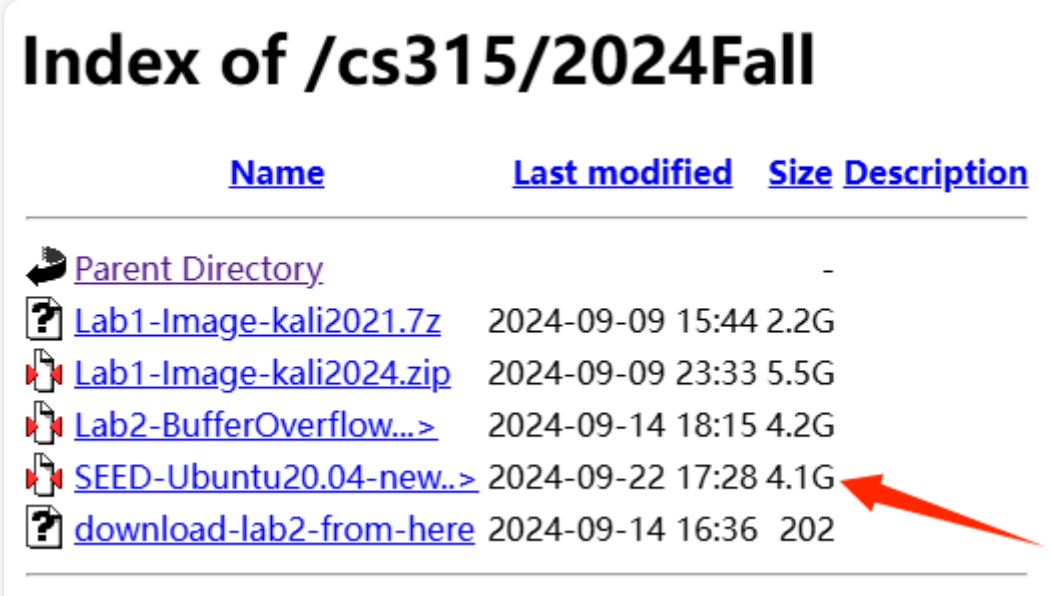
VM

Ubuntu 20.04 VM (for Intel/AMD Machines)

If you prefer to create a SEED VM on your local computers, there are two ways to do that: (1) use a pre-built SEED VM; (2) create a SEED VM from scratch.

Approach 1: Use a pre-built SEED VM. We provide a pre-built SEED Ubuntu 20.04 VirtualBox image (SEED-Ubuntu20.04.zip, size: 4.0 GB), which can be downloaded from the following links.

- SEED Ubuntu-20.04 VM
- VM Manual: follow this manual to install the VM on your computer



Approach 2: Build a SEED VM from scratch. The procedure to build the SEED VM used in Approach 1 is fully documented, and the code is open source. If you want to build your own SEED Ubuntu VM from scratch, you can use the following manual.

- How to build a SEED VM from scratch

Ubuntu 20.04 VM (for Apple Silicon Machines)

Students with Apple Silicon machines (M1/M2 chips) have not been able to run our pre-built SEEDUbuntu 20.04 VM, due to the lack of support from VirtualBox. They can now set up a SEED VM using VMWare Fusion Player (free version):

- Lab Environment Setup for Apple Silicon Machines. We could not find the ARM version of Ubuntu 20.04, so we will install Ubuntu 22.04 instead. The differences between these two versions are quite small.
- Notes: Most SEED labs can now be conducted on this VM. To check which labs are supported, please see our testing results. Porting SEED labs to ARM is still ongoing.

Files

- **Lab setup files**
  - Labsetup.zip
  - Labsetup-arm.zip (for Apple Silicon machines)
- **Manual:**: Docker manual
- **Docker image:** handsonsecurity/seed-ubuntu:small