

Week 3 Discussion

M1/M2 Fix, Autograder, and Intro to Buffer Overflow

Reminder

- PA1 Due: Thursday, October 19th at 11:59 pm
- PA2 Release: Thursday, October 19th at 11:59 pm (Due in 2 weeks)
- Week 4 onwards, TA's will use Autograder.

M1/M2 Fix

- Thank you Emin for the M1/M2 Fix.
- Download UTM from <https://github.com/utmapp/UTM/releases/download/v4.1.2/UTM.dmg>
- After installing it on the main screen select to create a new virtual machine
- Select Emulation -> Other -> Check Skip ISO boot -> Continue -> Continue -> Continue -> Continue -> Select Open VM Settings -> Save
- On the settings window that pops up select QEMU on the left. Uncheck UEFI boot this leaves mine with only the RNG device enabled
- The same window scroll down to drives mine only had one IDE drive. Delete the existing drive by clicking on it and clicking delete drive. Next click new drive and import. Select the vmdk file click save

M1/M2 Fix Cont.

- Go back to settings, network tab, and change network mode to emulated VLAN, set the MAC address to 08:00:27:D3:23:52
 - This should make a port forwarding tab appear, once in that tab you can click the new
 - On the window write 22 to the second box and 2222 to the fourth box
 - This should enable port forwarding while the virtual machine is on
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- To SSH into the VM:
 - `ssh -p 2222 student@127.0.0.1`
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 - To copy files from your computer to the VM:
 - `scp -P 2222 -r /path/to/files/ student@127.0.0.1:/home/student`