

Doctor Johnson: That's why I'm always late.

Yifan Zhu: Yeah, sure. No problem.

Doctor Li: I just have another meeting at 3:30. I'm wondering if like we can meet at four instead, even though we only have 3 weeks left, doctor Johnson, does it work for you, the 4 o'clock?

Doctor Johnson: Other than today. Yes.

Doctor Li: Meaning from next week. 4 o'clock works for you.

Doctor Johnson: For the rest of the semester 4 o'clock works.

Doctor Li: Maybe we can begin at 4 o'clock. So you feel like Joe and Abdallah also fine. Yifan, you may begin the meeting.

Yifan Zhu: Yeah, sure. Doctor Johnson. I believe Yuhao had sent mails to you and smart. So how was the laboratory connection going for you know? The lab material does not show any of the power connections for the Kocos system, as Yuhao mentioned before.

Doctor Johnson: I send out to Abdallah, for him to check on that. We also talked about since Joe Stanley helped the previous senior design team set that up, they think making sure that that you understand what is supposed to be hooked up on that and Abdallah. I understand what's supposed to be hooked up since he is the TA for this class, he should also be the one that's helping you with some of those connections.

Yifan Zhu: And also, I designed lab 0 about the Mininet and I will EMAIL to all of you shortly. Would you mind would you like to see a diagram? Cause I had a little bit problem about the diagram, about the lab one, which is related to the lab one in the ECE 444.

Wait for a while.

Doctor Johnson, this is this is a diagram I made for the lab one. I don't know if that is correct. For the diagram, it is for this picture.

Doctor Johnson: I'm since you keep going back and forth from the lab report, I'm gonna open my computer, so I can look at it.

Yifan Zhu: Oh, please wait a while.

Doctor Johnson: No, I've got it online so you don't need to spread it. So, for the way they had this, I we can do a simpler version of it.

Yifan Zhu: A single topology.

Doctor Johnson: Because the original set up for this, they actually were using six switches. But it can be done with fewer switches. But basically, when you have your network, even though it's like switch one, switch two and so on. That you have the switches communicating with each other.

Yifan Zhu: Yes, they send messages. Another one received a message there.

Doctor Johnson: Then you've got the of the IDEs, the six IDEs that are all connected.

Yifan Zhu: I believe the roles IDEs played are as hosts, the host connected the switch is tooth which is each one had each one connects to a host.

Doctor Johnson: So, I think it was actually at one point there is no plan for this for there were six switches on six IDEs, the ideas were all connected with all the switches are all communicating with each

other to have traffic between the IEDS. They had the raspberry pie that was able to inject traffic. So, this.

Yifan Zhu: This one is the controller, French and host back to our but your own lab I don't know why. Let's run it. They see our use the mode control has already recording this data, but I'm not quite sure what does that mean. It sounds like the package in the heximal numbers. I also back to the mininet, type the pain all. Are there testing the pins It shows that 66% of the package are dropped. Also, in the wireshark which also capture the Information. It can also capture my computer's IP address. which I don't want to get mixed .

So, we stop here and we check it out. As we select open flow one to check the open flow, which is all related to the to the mininet. This is what I can do for now. What's the data here? I also check the videos from th lab one is ECE444.

Doctor Johnson: I don't normally use this program, so I really don't know that's gonna be more of a question for Hari Challah.

Yifan Zhu: Maybe I will send EMAIL to ask them. However, I can figure out this one. This is the destiny. The source, this thing, the ip address is from the source is the two controllers. They are it's a fixed IP address distributed by this mininet. As you can see here, the controller says hello.

Doctor Johnson: But that's doing is looking back to the same idea to us.

Yifan Zhu: All of them are the same, let me show you. Because here with the purpose, no. In this one, the remote controllers IP address of controller is distributed by this one. And in the switches, because the DPID is 16-digits. And in the host, a peer address is based on the preference. So, the wireshark captured the all the paths.

Doctor Johnson: But what is the controller that you've done on this?

Yifan Zhu: Controllers. C0 and C1.

Doctor Johnson: So you're actually modeling two different networks, then?

Yifan Zhu: That's the question. I believe I made it wrong, I think only one control on the top of the topology and it controls the other switches to the whole side. I think I made mistake here. Sorry. I will also try today and make some changes. Here is the basic idea I would like to show you about this simulation lab.

So that's all today we want to show you of our progress. Later, I will send all of you the lab 0 report file. So you can check out for some problems.

Doctor Johnson: Ok, so when you e-mail to Hari or Joe, please make a copy me so that I can make some explanations.

Yifan Zhu: Yeah, sure, no problem. Thank you for your coming today, doctor Johnson, doctor Li. I think we we have done asking all the questions for today. Thank you. Do you have any questions to ask us, doctor Johnson?

Doctor Johnson: On the labs, we're doing the remote access right now you can't do lab 2, because you're not seeing the power connection, right? That's what their problem is.

Yifan Zhu: For now. Yes.

Doctor Johnson: Yeah, so that definitely asked as that communicate more with Joe and Abdullah on that.

Doctor Li, do you have any other questions?

Doctor Li: I got a question for the program after this meeting. We can ask Yifan later

Doctor Johnson: Because I have that at 4 o'clock meeting on the can I need to go to.

Doctor Li: See you next week 4 o'clock.

All: Bye