HW3 Appendix

A5. Connecting to RaspberryPi and Odroid MC1 - Windows

Part 1. Remote Desktop Connection

1) Connect to VPN using Cisco AnyConnect
2) In the search bar on the bottom left search for ***Remote Desktop Connection***
3) After you open ***Remote Desktop Connection***, click on ***Show Options***
4) Fill in the following
    - Computer: **`sld.ece.utexas.edu`**
    - User name: **`austin\<your_eid>`**
5) Click the ***Local Resources*** tab
6) Under ***Local devices and resources*** click ***More***
7) Select the drives you want to share location between the remote connection and your computer
8) Then click ***Connect***
9) Input your UT EID password
10) Accept any certificate warning that may appear

WARNING: You will have to wait a few minutes until your remote desktop is being set up.

Part 2. Connecting to RaspberryPi and Odroid MC1

1) Inside the remote desktop you can access files and under ***My Computer*** you can find your shared folder from your own computer.
2) Transfer any files necessary for deployment on the remote desktop
3) Open a terminal
4) Use ***scp*** to transfer the files you want to the edge device
5) Next, you can SSH into the edge devices and use them

IMPORTANT: Write code on your computer, transfer the necessary files to the remote desktop and only then "scp" them to the edge devices for actual deployment. The remote desktop serves only as a gateway to access the devices.

A6. Connecting to RaspberryPi and Odroid MC1 - Mac

Part 1. Microsoft Remote Desktop

1) Search in the Apple Store ***Microsoft Remote Desktop*** and install it
2) Connect to VPN using Cisco AnyConnect
3) Open Microsoft Remote Desktop and add a new pc
4) Fill in PC name: **`sld.ece.utexas.edu`**
5) Click on ***User account*** and ***Add User Account…***
6) Fill in the following:
    - Username: **`austin\<your_eid>`**
    - Password: **`<your_UT_EID_password>`**
7) Click ***Add***
8) Go to Folders tab and enable ***Redirect folders***
9) On the bottom left click on + and select the folders you want to share with the remote desktop
10) Click ***Save*** and double click the new connection

WARNING: You will have to wait a few minutes until your remote desktop is being set up.

Part 2. Connecting to RaspberryPi and Odroid MC1

Identical to **Appendix A5, Part 2**

A7. Connecting to RaspberryPi and Odroid MC1 - Linux

Part 1. Remmina

1) After installing Remmina, open it
2) Connect to VPN using Cisco AnyConnect
3) On the upper left corner click **+**
4) Click ***Protocol*** and select ***Remote Desktop Protocol***
5) Fill in
    - Server: **`sld.ece.utexas.edu`**
    - User name: **`austin\<your_eid>`**
    - User password: **`<your_UT_EID_password>`**
6) Turn on **Share folder** and select the folder you want to share with your remote desktop
7) Click ***Save and Connect***

WARNING: You will have to wait a few minutes until your remote desktop is being set up.

Part 2. Connecting to RaspberryPi and Odroid MC1

Identical to **Appendix A5, Part 2**

A8. Connecting to the devices

1) For RaspberryPi 3B+:

```
ssh pi@<raspberry_IP_address>
  The password is: 12345678
```

2) For Odroid MC1:

```
ssh odroid@<odroid_IP_address>
  The password is: 12345678
```