Model Internet Club
Picnic at Rittenhouse
Sat, Nov 8th, 2025

Check out the offline wi-fi network we run for fun!

Connect to the network

Wi-fi SSID: MODEL-NET-5G *or* MODEL-NET-2.4G

Password: 2turtles

Browse

Check the whiteboard to find links!

Run a local website with Python

Open a terminal window and go through the steps below to start hosting a minimal website using Python. (If your computer has a firewall running you'll need to allow incoming TCP access to port 80.)

```
cd ~/Desktop
mkdir website
cd website
echo "<html><body>It works!</body></html>" > index.html
sudo python3 -m http.server 80
```

Find your IP address

In a terminal window, run the command **ip addr** on Debian-based Linux or **ifconfig en0** on macOS.

Ask someone else on the network to enter your site's IP address in a web browser and check if it works! They may need to type out **http://** at the beginning of the address instead of **https://**.

Give yourself a "domain name"

Next you'll give yourself a "domain name" (actually a hostname but w/e). In a browser, go to the following IP address to open the router's OpenWRT admin panel, then log in with the provided credentials.

http://192.168.1.1

User: root

Password: this-is-cool-1234

Navigate to **Network** > **DHCP and DNS**, then click the **Hostnames** tab.

Click **Add**, type the domain name you want (e.g., violet.turtle) along with your server's IP address. Then click **Save & Apply**.

Ask someone else on the network to enter your site's domain name in their browser to check whether it works. They may need to type out **http://** at the beginning of the address instead of **https://**.

Great job!

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