

Networked Objects

Patrick Dwyer

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IP Addresses

Each student is assigned an IP address from the block of ITP addresses. This address is yours and yours alone for the semester. The IP address is linked to the MAC address of your XPort, and won't work with anyone else's hardware.

Along with an IP address, each student is allocated 2 ports for their use on the ITP Stage server (stage.itp.nyu.edu). These ports are for you to use for communicating between your projects and any scripts you may have running on the server. Each port can use TCP or UDP, and you can use any programming language or environment you choose to interface with your projects over these ports. Please only use your assigned ports. If you are working on a group project you can use any of the ports assigned to individuals in the group.

The following is the list of students, their assigned IP address, the MAC address linked to the IP address, and the assigned port numbers.

Student	IP	MAC	Ports
Robert Croft	128.122.151.101	00-20-4a-8b-e9-90	10020, 10021
Michael DelGaudio	128.122.151.104	00-20-4a-8b-e9-a1	10022, 10023
Zach Eveland	128.122.151.105	00-20-4a-8b-e9-9c	10024, 10025
Rob Faludi	128.122.151.108	00-20-4a-8b-ea-70	10026, 10027
Jury Hahn	128.122.151.109	00-20-4a-8b-e9-a0	10028, 10029
Chunxi Jiang	128.122.151.113	00-20-4a-8b-e9-aa	10030, 10031
Zach Layton	128.122.151.188	00-20-4a-8b-e9-a3	10032, 10033
Jeff LeBlanc	128.122.151.199	00-20-4a-8b-e9-9e	10034, 10035
Min Lee	128.122.151.181	00-20-4a-8b-e9-9b	10036, 10037
Gilad Lotan	128.122.151.212	00-20-4a-8b-ea-c0	10038, 10039
Leif Mangelsen	128.122.151.110	00-20-4a-8b-e9-a9	10040, 10041
Tikva Morowati	128.122.151.134	00-20-4a-8b-e9-a4	10042, 10043
Preston Noon	128.122.151.44	00-20-4a-8b-e9-99	10044, 10045
Jun Oh	128.122.151.246	00-20-4a-8b-e9-91	10046, 10047
Therese Oterholm	128.122.151.67	00-20-4a-8b-e9-ae	10048, 10049

Student	IP	MAC	Ports
Tristan Perich	128.122.151.34	00-20-4a-8b-e9-b1	10050, 10010
Sean Salmon	128.122.151.36	00-20-4a-8b-e9-a8	10011, 10012
Diane Thomas	128.122.151.149	00-20-4a-8b-89-b0	10013, 10014
Alice Tseng-Planas	128.122.151.254	00-20-4a-8b-89-9a	10015, 10016

Configuring Your IP

When configuring your IP address on the XPort for the first time, you must connect to the serial port of the XPort board. With ZTerm (or HyperTerminal) open plug power into your board, and hold down the 'x' key. Within a few seconds you should receive a prompt from the XPort to press enter. Once you press enter you will be able to configure your XPort by following the menu options. For the IP address we need to configure the "Server" settings, option '0'. The following options should be entered:

```
IP Address: [Enter your IP Address Here]
Set Gateway Address: Yes
Gateway IP Address: 128.122.151.1
Netmask (Or Gateway Mask): 8
```

Once you've set these options you can press enter until you get back to the configuration menu, at which point you can choose option '9', "Save and Exit".