Module 3: Web Server

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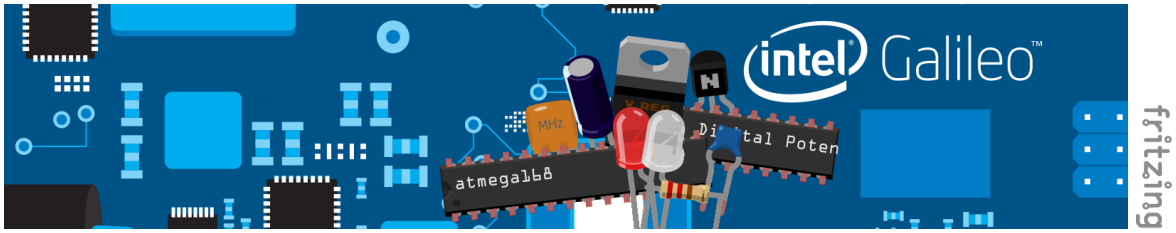
Lab 4 School of Computer Science USM



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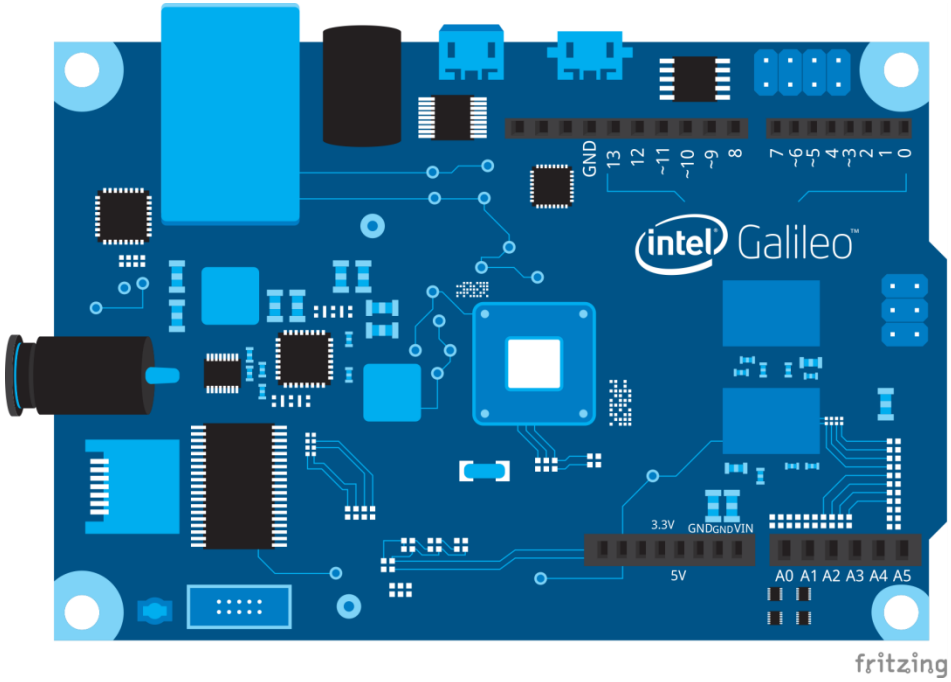
Agenda

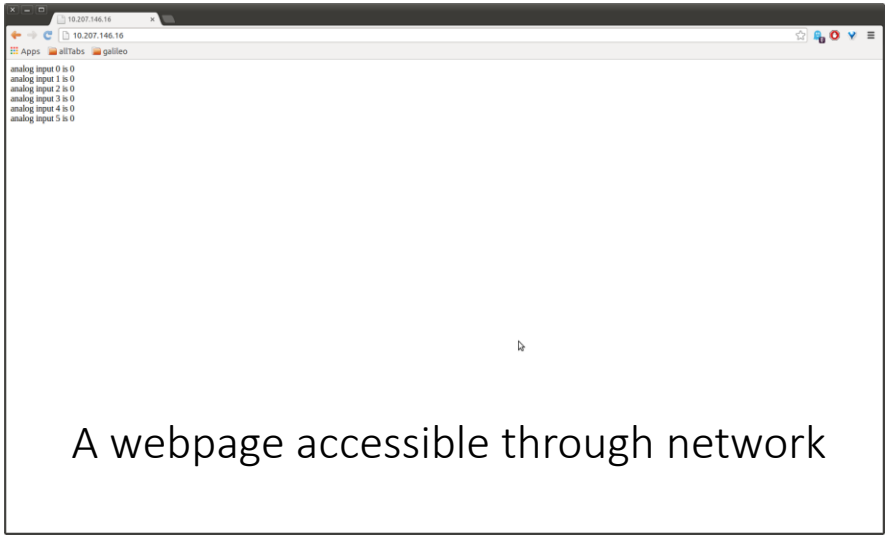
- Successfully setup a web server on Galileo board



Overview

10.207.146.16

Setup a local IP address on Galileo



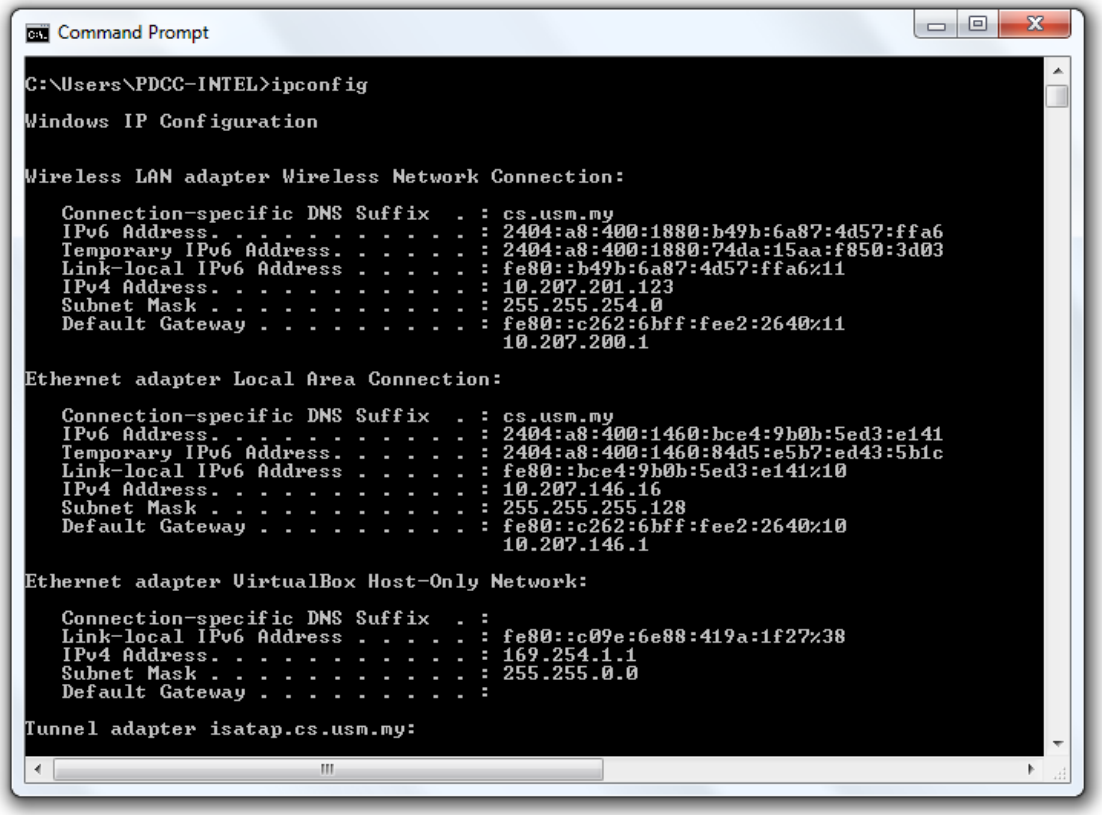
A webpage accessible through network

Arduino WebServer

- File > Examples > Ethernet > WebServer

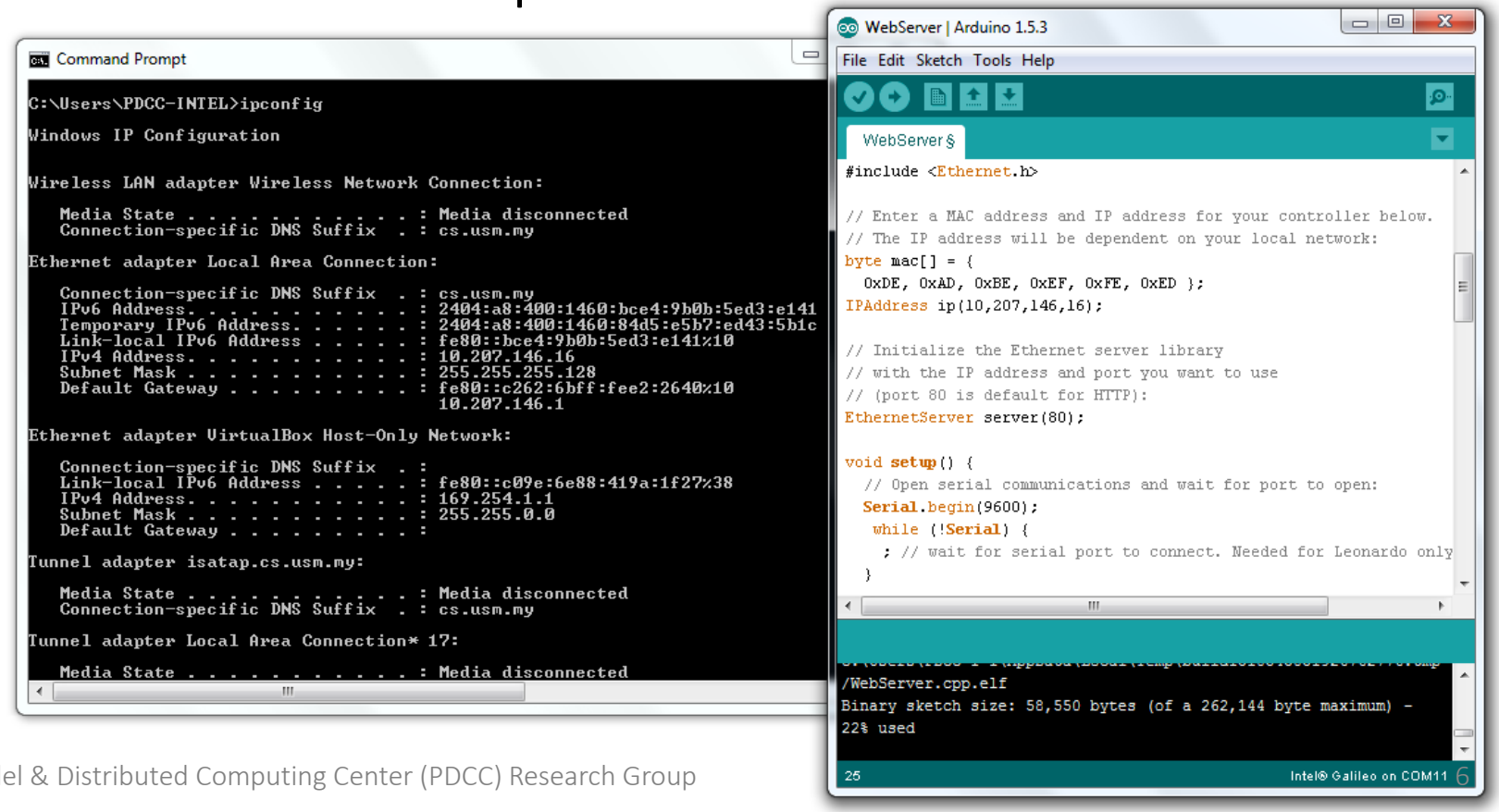
Quick Setup

- Open cmd, type “ipconfig” to show IP address of current PC



Quick Setup (cont)

- Type the IP address accordingly from cmd into WebServer example in Arduino IDE



Quick Setup (cont)

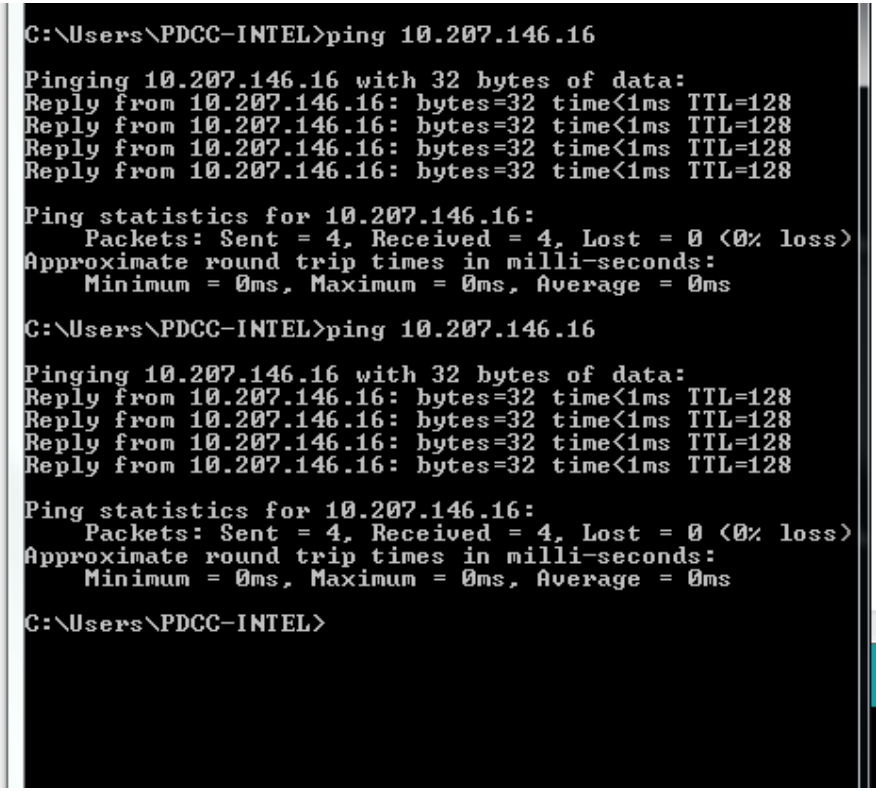
- Plug RJ45 Ethernet cable to Galileo board

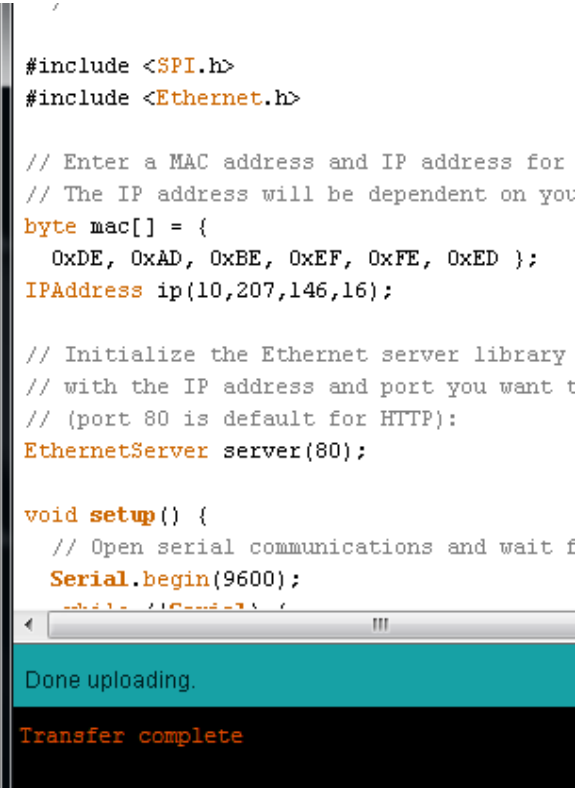
Quick Setup (cont)

- Compile and Upload the sketch
- Use “ping” command to verify that your webserver is reachable
    - $ ping <set-ip-address>
    - E.g : $ ping 10.207.146.16

Quick Setup (cont)

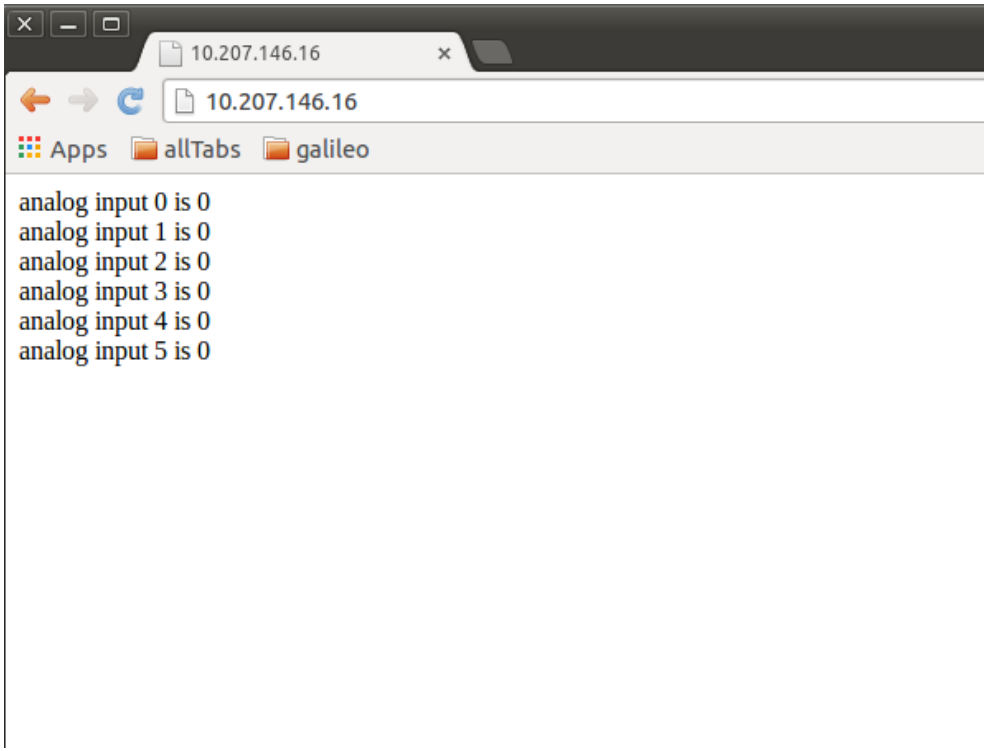
- Verify with “ping” command





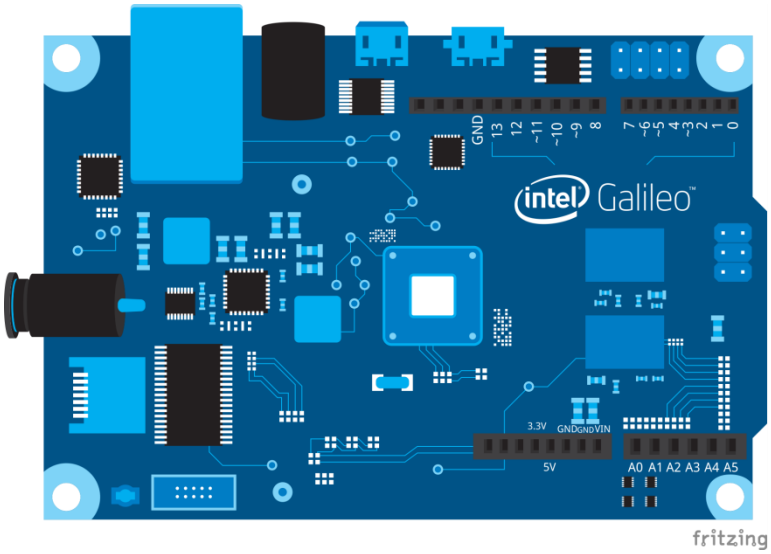
Quick Setup (cont)

- Make sure webpage is up
  - Open browser, navigate to set IP address



Check this out

- Arduino Web Server LED Control
  - http://www.jackbarber.co.uk/notes/arduino-web-server-led-control
- See through HTML codes



Intel Galileo® : What will you make?