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# A1 - CIS\*3210

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## Tests

### **Ping**

#### **Localhost**

--- localhost ping statistics ---

91 packets transmitted, 91 packets received, 0.0% packet loss

round-trip min/avg/max/stddev = 0.037/0.077/0.234/0.024 ms

#### **Connection at home**

--- linux.socs.uoguelph.ca ping statistics ---

103 packets transmitted, 103 packets received, 0.0% packet loss

round-trip min/avg/max/stddev = 11.979/17.684/28.548/3.415 ms

#### **Wired connection at school**

--- linux.socs.uoguelph.ca ping statistics ---

100 packets transmitted, 100 packets received, 0.0% packet loss

round-trip min/avg/max/stddev = 0.316/0.588/1.371/0.139 ms

#### **Wireless connection at school**

--- linux.socs.uoguelph.ca ping statistics ---

92 packets transmitted, 92 packets received, 0.0% packet loss

round-trip min/avg/max/stddev = 2.452/11.384/218.116/31.983 ms

### **Traceroute**

#### **Localhost**

1 localhost (127.0.0.1) 0.253 ms 0.051 ms 0.034 ms

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### **Connection at home**

traceroute: Warning: linux.socs.uoguelph.ca has multiple addresses; using 131.104.48.73  
traceroute to linux.socs.uoguelph.ca (131.104.48.73), 64 hops max, 52 byte packets

```
1 hermon.cis.uoguelph.ca (131.104.48.73) 36.494 ms 29.731 ms 17.762 ms
2 hermon.cis.uoguelph.ca (131.104.48.73) 21.764 ms 31.636 ms 15.307 ms
3 hermon.cis.uoguelph.ca (131.104.48.73) 18.749 ms 25.274 ms 18.751 ms
4 hermon.cis.uoguelph.ca (131.104.48.73) 19.680 ms 25.423 ms 25.088 ms
```

### **Wired connection at school**

traceroute: Warning: linux.socs.uoguelph.ca has multiple addresses; using 131.104.48.74  
traceroute to linux.socs.uoguelph.ca (131.104.48.74), 64 hops max, 52 byte packets

```
1 131.104.180.1 (131.104.180.1) 0.504 ms 0.307 ms 0.251 ms
2 spider.cis.uoguelph.ca (131.104.48.74) 0.556 ms 0.423 ms 0.528 ms
```

### **Wireless connection at school**

traceroute: Warning: linux.socs.uoguelph.ca has multiple addresses; using 131.104.48.71  
traceroute to linux.socs.uoguelph.ca (131.104.48.71), 64 hops max, 52 byte packets

```
1 gradray-07.cis.uoguelph.ca (131.104.48.71) 4.170 ms 2.165 ms 2.036 ms
2 gradray-07.cis.uoguelph.ca (131.104.48.71) 2.320 ms 2.305 ms 2.350 ms
3 gradray-07.cis.uoguelph.ca (131.104.48.71) 2.160 ms 3.334 ms 2.093 ms
4 gradray-07.cis.uoguelph.ca (131.104.48.71) 2.335 ms 2.312 ms 2.347 ms
```

### **Transfer times using eightydays.txt - 77.9mb | Transfer buffer of 4096**

#### **Localhost**

**Average : 3.7516205 s**

**Min : 2.998214 s**

**Max : 5.491643 s**

#### **Connection at home**

**Average : 106.8864512 s**

**Min : 66.61908 s**

**Max : 157.560447 s**

#### **Wired connection at school**

**Average : 3.54417645 s**

**Min : 3.164974 s**

**Max : 3.988388 s**

#### **Wireless connection at school**

**Average : 31.51316715 s**

**Min : 30.337353 s**

**Max : 33.079098 s**

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**Transfer rates using eightydays.txt - 77.9mb | Transfer buffer of 4096**

**Localhost**

**Average : 19.9647059184 MB/s**

**Min : 13.6389055152 MB/s**

**Max : 24.9815390096 MB/s**

**Connection at home**

**Average : 0.7007436318 MB/s**

**Min : 0.4753731119 MB/s**

**Max : 1.1243025271 MB/s**

**Wired connection at school**

**Average : 21.9797183066 MB/s**

**Min : 19.5317005266 MB/s**

**Max : 24.6131563798 MB/s**

**Wireless connection at school**

**Average : 2.4719825725 MB/s**

**Min : 2.3549614321 MB/s**

**Max: 2.5677915934 MB/s**