Static information about host and access point

Host is my laptop. My laptop is a Windows XP machine

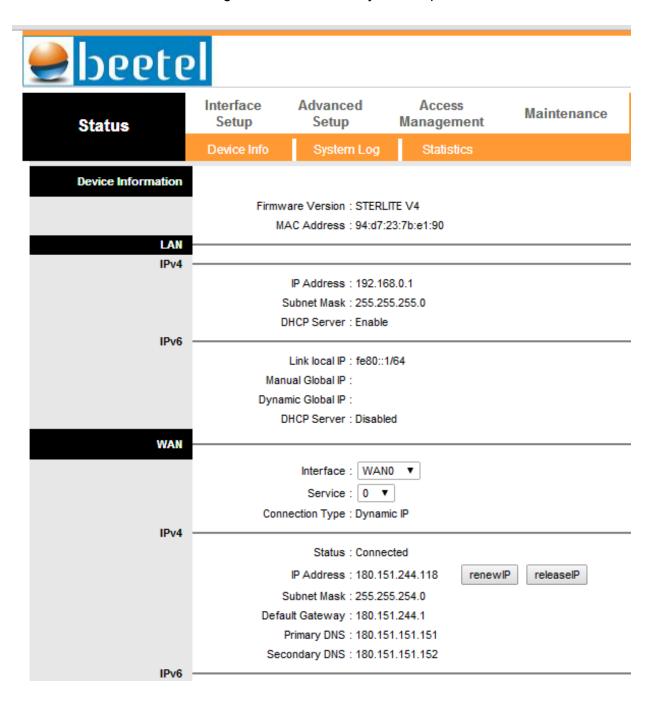
It connects to an access point in my home (SSID: spectrawlan).

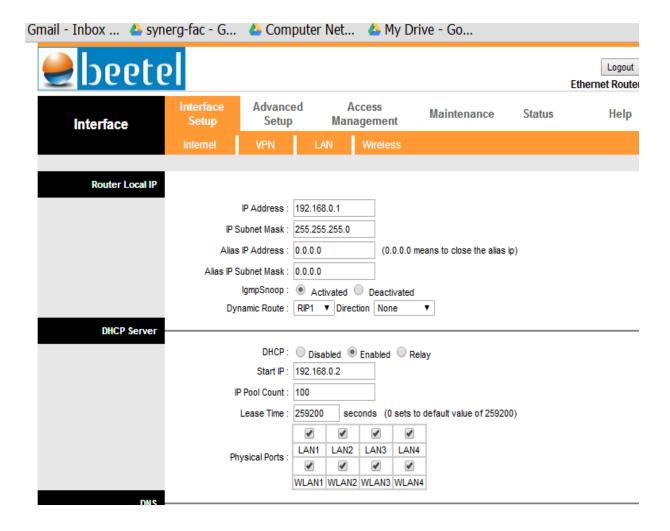
The TCP/IP settings are:

"Obtain an IP address automatically" and "Obtan DNS server address automatically"

Output of ipconfig from my laptop at home:

Screenshots of the various configuration screens of my access point





e beete						•				Logout Ethernet Router
Interface	Internet		Advanced Setup		Access Management		Maiı	Maintenance		Help
DNS			VPN	LA	N V	Vireless				
Add DHCP Reservation			DNS Relay Primary DNS condary DNS	N/A	matically	Manually MAC Addr	ress:			
awa ar			Index		IP			MAC	Drop	
DHCP Clients List										
	#	HostName		IP			MAC Address		Expire Time	
	1		android-9aab63b4ad40e32a		192.168.0.8			5C:0A:5B:76:5C:ED		2days 14:21:16
	2		android-9d9529b2d88c0e86		192.168.0.3			20:54:76:DE:20:D7		2days 17:32:7
	3	andro	android-3154e89270ace568		192.168.0.4			5C:F8:A1:07:84:F1		2days 2:9:54
	4	_	Chromecast		192.168.0.5			6C:AD:F8:1B:0A:55		2days 20:25:23
	5		ProfVarshaApte		192.168.0.7			00:22:FA:2B:4F:50		2days 23:57:28
	6		jitenapte		192.168.0.11			00:27:10:71:C5:00		2days 12:12:11
	7		android-8684fd57cf63acba		192.168.0.6			E4:92:FB:EF:98:E7		2days 18:12:12
	8		Piano-Mans-iPad		192.168.0.9			60:69:44:11:FC:F6		2days 23:39:11
	9		PianoMan		192.168.0.10			24:FD:52:1F:12:6A		1days 20:26:3
	10	andro	id-75d817a3	53150272	1	92.168.0.2		94:D7:71:C1:E0	C:DD	2days 23:12:51
ou.						More				
OUI -				: ● STB : 1 ▼ : 000000	VoIP					

Output of route command from my laptop

30 0 1 1 ± 0	DDTMM
rollte	PRINT

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Interface List

0x1 MS TCP Loopback interface

0x2 ...00 22 fa 2b 4f 50 Intel(R) Wireless WiFi Link 5100 - Packet

Scheduler

Miniport

0x3 ...00 1c 7e ec a5 bb Intel(R) 82567V Gigabit Network Connection - Packet

Scheduler Miniport

0x4 ...00 ff cc 93 71 1a TAP-Win32 Adapter V9 - Packet Scheduler

Miniport

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Active Routes:

Network Destination	n Netmask	Gateway	Interface	Metric
0.0.0.0	0.0.0.0	192.168.0.1	192.168.0.7	25
127.0.0.0	255.0.0.0	127.0.0.1	127.0.0.1	1
169.254.0.0	255.255.0.0	192.168.0.7	192.168.0.7	20
192.168.0.0	255.255.255.0	192.168.0.7	192.168.0.7	25
192.168.0.7	255.255.255.255	127.0.0.1	127.0.0.1	25
192.168.0.255	255.255.255.255	192.168.0.7	192.168.0.7	25
224.0.0.0	240.0.0.0	192.168.0.7	192.168.0.7	25
255.255.255.255	255.255.255.255	192.168.0.7	192.168.0.7	1
255.255.255.255	255.255.255.255	192.168.0.7	3	1
255.255.255.255	255.255.255.255	192.168.0.7	4	1
Default Gateway:	192.168.0.1			

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Persistent Routes:

None

Scenario when lab05trace1 was taken

Wireless was turned off, laptop was rebooted.

Trace started
Then wireless was turned on

Following commands given:

```
ping www.net.princeton.edu

ping www.princeton.edu

PING www.princeton.edu (128.112.132.86): 56 data bytes

64 bytes from 128.112.132.86: icmp_seq=0 ttl=49 time=208 ms

64 bytes from 128.112.132.86: icmp_seq=1 ttl=49 time=211 ms

64 bytes from 128.112.132.86: icmp_seq=2 ttl=49 time=204 ms

64 bytes from 128.112.132.86: icmp_seq=2 ttl=49 time=207 ms

64 bytes from 128.112.132.86: icmp_seq=3 ttl=49 time=207 ms

64 bytes from 128.112.132.86: icmp_seq=4 ttl=49 time=228 ms

64 bytes from 128.112.132.86: icmp_seq=5 ttl=49 time=208 ms

----www.princeton.edu PING Statistics----

6 packets transmitted, 6 packets received, 0.0% packet loss round-trip (ms) min/avg/max/med = 204/211/228/208
```

Then visited www.cse.iitb.ac.in/~varsha (103.21.127.134) from the browser

Then

```
ssh varsha@login.iitb.ac.in -p 5022n nets
```

Executed the following on surya:

netstat > netstat.out //Download the file to view it properly

Traceroute from and to www.slac.stanford.edu

traceroute from www.slac.stanford.edu to my laptop Output of the trace route

Trace file: lab05ToStanford

packet capture when running traceroute from my laptop to www.slac.stanford.edu

Tracing route to www1.slac.stanford.edu [134.79.197.200] over a maximum of 30 hops:

```
Output:
 1
       3 ms
                       4 ms 192.168.0.1
              <1 ms
 2
      7 ms
               9 ms
                       9 ms 180.151.244.1.reverse.spectranet.in
[180.151.244.1]
      10 ms
               9 ms
                     11 ms 125.63.82.209.reverse.spectranet.in
[125.63.82.209]
                     9 ms 182.19.88.106
     13 ms
              8 ms
    126 ms
                    130 ms 182.19.126.25
           127 ms
     136 ms
            128 ms
                     135 ms xe-7-0-1-xcr2.lsw.cw.net
[166.63.217.41]
                    217 ms ae11-xcr1.lns.cw.net [195.2.25.206]
     209 ms
           207 ms
     208 ms 206 ms
                    207 ms ae5-xcr2.ash.cw.net [195.2.25.2]
 9 203 ms 207 ms 251 ms ae0-xcr1.ash.cw.net [195.2.30.45]
10 209 ms 208 ms 224 ms eqx-ash.es.net [206.126.236.137]
11 208 ms 205 ms 207 ms washcr5-ip-b-eqxashrt1.es.net
[134.55.221.70]
     229 ms
            233 ms 231 ms chiccr5-ip-a-washcr5.es.net
12
[134.55.36.45]
13
     236 ms 240 ms kanscr5-ip-a-chiccr5.es.net
[134.55.43.82]
[134.55.49.57]
15 274 ms
           275 ms
                     275 ms sacrcr5-ip-a-denvcr5.es.net
[134.55.50.201]
    *
16
                          Request timed out.
     276 ms 276 ms 275 ms slacmr2-ip-a-sunncr5.es.net
17
[134.55.36.22]
18 274 ms
           274 ms 275 ms
rtr-border1-p2p-slac-mr2.slac.stanford.edu
[192.68.191.246]
19
                            Request timed out.
20
                            Request timed out.
21
                            Request timed out.
22
                            Request timed out.
23
     274 ms 272 ms 275 ms www1.slac.stanford.edu
[134.79.197.200]
```

Trace complete.

Traceroute from and to 118.244.151.180 (Japan)

Trace route from 118.244.151.180 (in japan) to my Laptop. Output:

```
nslookup:
118.244.151.180.in-addr.arpa domain name pointer
180.151.244.118.reverse.spectranet.in.
traceroute:
   [AS4685] hirnij31.asahi-net.or.jp (124.155.65.228) 2.661 ms 2.666 ms
 2 [AS4685] hirnirb-geO.asahi-net.or.jp (124.155.65.254) 2.637 ms 2.952 ms
 3 [AS4685] tkybi5-v9.asahi-net.or.jp (124.155.64.1) 15.646 ms 15.914 ms
15.647 ms
 4 [AS4685] tkyni92.asahi-net.or.jp (202.224.32.92) 26.654 ms 25.954 ms
16.660 ms
5 [AS2914] xe-0-2-0-30.r01.tokyjp05.jp.bb.gin.ntt.net (61.120.145.165)
16.630 ms 17.022 ms 16.665 ms
6 [AS2914] ae-12.r20.tokyjp05.jp.bb.gin.ntt.net (129.250.4.110) 16.639 ms
16.220 ms 16.635 ms
7 [AS2914] ae-0.pccw.tokyjp05.jp.bb.gin.ntt.net (129.250.66.14) 17.629 ms
17.614 ms 16.665 ms
   [AS3491] TenGE13-3.br01.sin01.pccwbtn.net (63.218.162.165) 112.628 ms
101.326 ms 90.511 ms
 9 [AS3491] vodafone.tel3.1.br01.sin01.pccwbtn.net (63.218.163.170) 91.577
ms 101.442 ms 86.539 ms
10 * * *
11 * * *
12 * * *
13 * * *
14 * * *
15 [AS55410] 182.19.88.105 (182.19.88.105) 142.802 ms * *
16 [AS10029] 125.63.82.210.reverse.spectranet.in (125.63.82.210) 147.784 ms
146.541 ms *
17 [AS55410] 182.19.88.105 (182.19.88.105) 140.804 ms * *
18 [AS10029] 125.63.82.210.reverse.spectranet.in (125.63.82.210) 144.601 ms
142.508 ms 143.556 ms
19 * * *
20 * * *
21 * * *
22 * * *
23 * * *
24 * * *
25 * * *
```

trace route from my laptop to 118.244.151.180

Output:

```
Tracing route to 118.244.151.180 over a maximum of 30 hops
```

```
1 ms <1 ms 192.168.0.1
       1 ms
 2
       3 ms
             9 ms 9 ms 180.151.244.1.reverse.spectranet.in
[180.151.244.1]
      2 ms
             10 ms
                     9 ms 125.63.82.209.reverse.spectranet.in
[125.63.82.209]
 4
     4 ms
             9 ms 25 ms 182.19.88.106
     61 ms
             70 ms 68 ms 182.19.115.237
 6 75 ms 63 ms 68 ms tel3.1.br01.sin01.pccwbtn.net [63.218.163.169]
 7 310 ms 307 ms 315 ms cnc.pos2-1.br01.hkg05.pccwbtn.net
[63.218.145.146]
   299 ms 304 ms 307 ms 219.158.97.1
 9
                     *
                            Request timed out.
10 249 ms
                    258 ms 219.158.100.169
11 295 ms
                    250 ms 124.65.194.86
     *
12
                     *
                            Request timed out.
13 257 ms 244 ms
                     260 ms 61.148.159.34
            *
                     *
14
                            Request timed out.
15 260 ms 239 ms 240 ms 219.239.92.194
   308 ms 317 ms 312 ms 124.202.11.62
16
17 290 ms 291 ms 275 ms 124.207.18.126
18
                            Request timed out.
19
                            Request timed out.
20
                            Request timed out.
21
                            Request timed out.
22
                            Request timed out.
23
                            Request timed out.
24
                            Request timed out.
25
                            Request timed out.
2.6
                            Request timed out.
27
                            Request timed out.
28
                            Request timed out.
29
                            Request timed out.
30
                            Request timed out.
```

traceroute to www.google.com

```
Tracing route to www.google.com [173.194.36.16] over a maximum of 30 hops:
```

```
1 15 ms 12 ms 10 ms 192.168.0.1
```

```
9 ms 14 ms 70 ms 180.151.244.1.reverse.spectranet.in
[180.151.244.1]
     27 ms
           62 ms 59 ms 125.63.82.209.reverse.spectranet.in
 3
[125.63.82.209]
   13 ms
           10 ms 14 ms 203.92.38.106.reverse.spectranet.in
[203.92.38.106]
     43 ms
            17 ms
                   21 ms 203.92.38.109.reverse.spectranet.in
[203.92.38.109]
 6
    12 ms
            18 ms 17 ms 182.19.88.106
     12 ms
            13 ms 12 ms 103.29.44.7
 8 21 ms
           26 ms 30 ms 103.29.44.4
    24 ms
                   32 ms 72.14.211.218
 9
            36 ms
10 529 ms 727 ms 150 ms 209.85.241.52
11 7 ms 22 ms 16 ms 209.85.241.187
12 40 ms 35 ms 26 ms bom04s01-in-f16.1e100.net [173.194.36.16]
```