

COL334 - Assignment 1

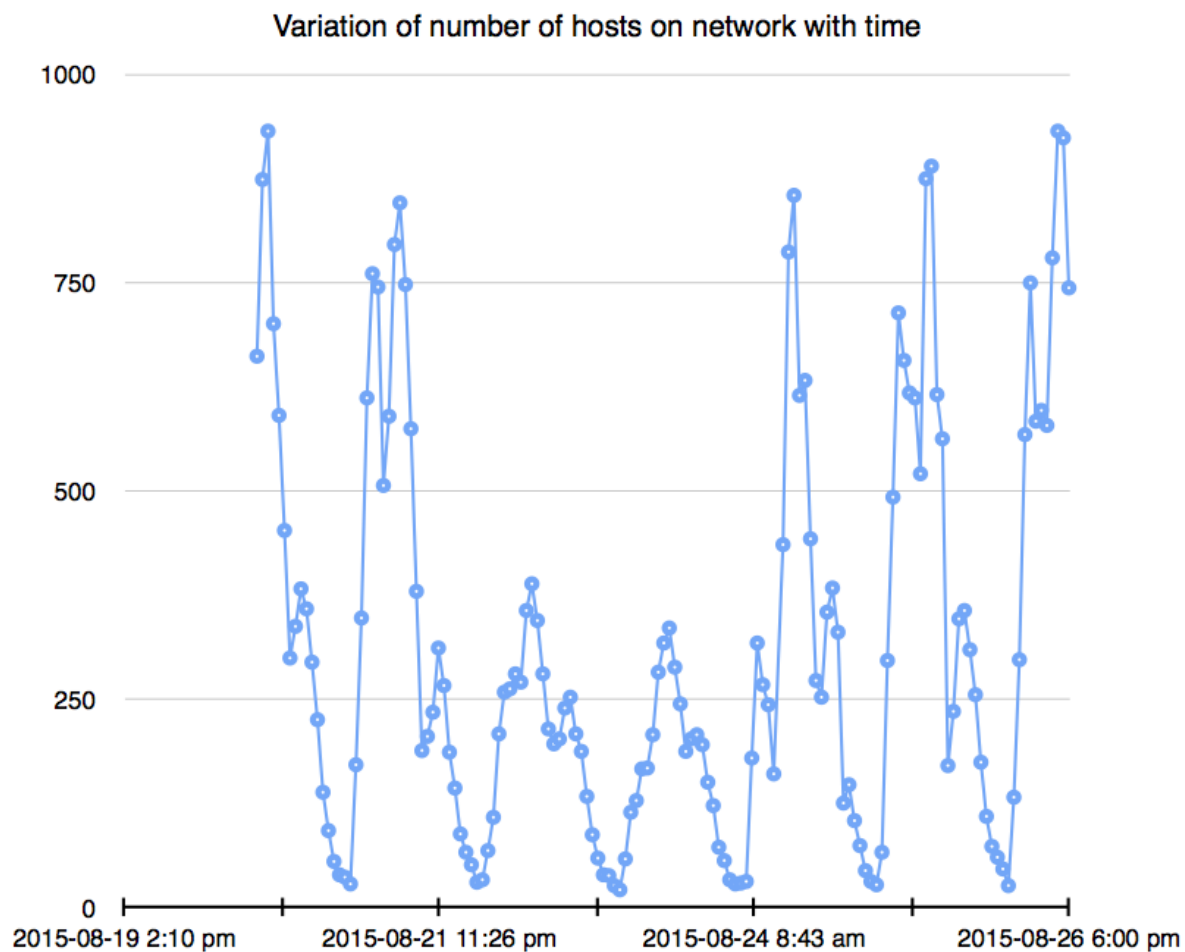
Internet Architecture

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Q2a. Variation of number of hosts on IIT-Delhi Wifi over the course of a week:



Q2b. Running the nmap command on 10.192.46.*, 13 hosts were discovered. The IP addresses of the hosts were:

- 10.192.46.5
- 10.192.46.14
- 10.192.46.27
- 10.192.46.29
- 10.192.46.39
- 10.192.46.48
- 10.192.46.55
- 10.192.46.63
- 10.192.46.74
- 10.192.46.89
- 10.192.46.98
- 10.192.46.104
- 10.192.46.212

Q2c. List of Gateways and DNS Servers used in different parts of the campus:

- Hostel LAN (Kumaon)
 - Gateway : 10.243.144.1
 - DNS Servers : 10.10.1.2, 10.10.2.2
- Bharti Wifi
 - Gateway : 10.192.32.1
 - DNS Servers : 10.10.1.2, 10.10.2.2
- Bharti LAN
 - Gateway : 10.208.20.1
 - DNS Servers : 10.208.20.2
- CSC
 - Gateway : 10.235.13.1
 - DNS Servers : 10.8.2.3, 10.10.1.2