COL334 - Assignment 1
Internet Architecture

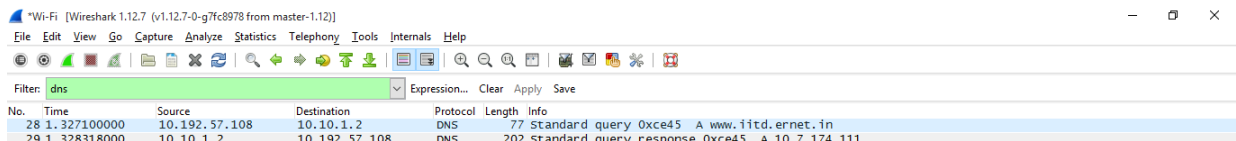Akshay Kumar Gupta   Barun Patra   Haroun Habeeb

2013CS50275   2013CS10773   2013CS10225

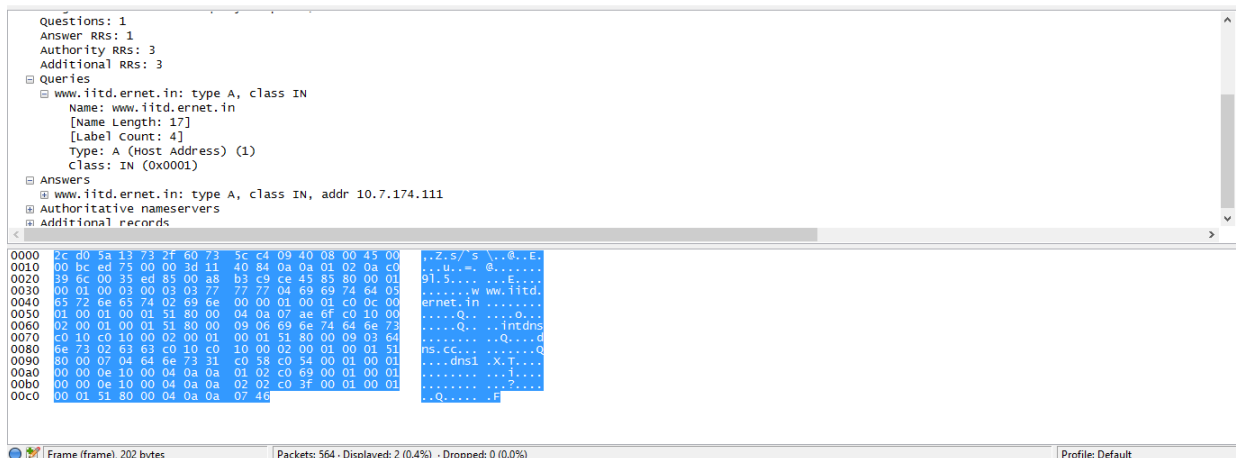**Q4a.** List of applications generating background traffic:

- Adobe Creative Cloud

- Pushbullet

- WifiAgent

- TextMate

- Spotify

Q4b. Analysis of internal IITD webpage download after clearing local DNS cache:

- Servers for which a DNS query was launched: 10.10.1.2 or 10.7.174.111

- Number of HTTP requests generated:

```
▼ Frame 33: 387 bytes on wire (3096 bits), 387 bytes captured (3096 bits) on interface 0
    Interface id: 0 (\Device\NPF_{001ED2DE-98AA-4576-8796-7F979AE9175B})
    Encapsulation type: Ethernet (1)
    Arrival Time: Aug 28, 2015 11:17:02.900142000 IST
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1440740822.900142000 seconds
    [Time delta from previous captured frame: 0.000105000 seconds]
    [Time delta from previous displayed frame: 0.000105000 seconds]
    [Time since reference or first frame: 1.351628000 seconds]
    Frame Number: 33
    Frame Length: 387 bytes (3096 bits)
    Capture Length: 387 bytes (3096 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:http]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
▶ Ethernet II, Src: LiteonTe_13:73:2f (2c:d0:5a:13:73:2f), Dst: IETF-VRRP-VRID_de (00:00:5e:00:01:de)
▶ Internet Protocol Version 4, Src: 10.192.57.108 (10.192.57.108), Dst: 10.7.174.111 (10.7.174.111)
▶ Transmission Control Protocol, Src Port: 36379 (36379), Dst Port: 80 (80), Seq: 1, Ack: 1, Len: 333
▼ Hypertext Transfer Protocol
    ▼ GET / HTTP/1.1\r\n
        ▼ [Expert Info (Chat/Sequence): GET / HTTP/1.1\r\n]
            [GET / HTTP/1.1\r\n]
            [Severity level: Chat]
            [Group: Sequence]
        Request Method: GET
        Request URI: /
        Request Version: HTTP/1.1
    Accept: text/html, application/xhtml+xml, image/jxr, */*\r\n
    Accept-Language: en-US,en;q=0.5\r\n
    User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/42.0.2311.135 Safari/537.36 Edge/12.10240\r\n
    Accept-Encoding: gzip, deflate\r\n
    Host: www.iitd.ernet.in\r\n
    Connection: Keep-Alive\r\n
    \r\n
    [Full request URI: http://www.iitd.ernet.in/]
    [HTTP request 1/12]
```

No.: 33 · Time: 1.351628 · Source: 10.192.57.108 · Destination: 10.7.174.111 · Protocol: HTTP · Length: 387 · Info: GET / HTTP/1.1

Help   Close