

实验报告 Lab 1

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Part 1

1. 步骤7中所看到不同的十个协议: TCP, Http, OICQ, SSHv2, ARP, Web-Socket, NBNS, UDP, DHCP, SSH
2. 13:44:34.604860 - 13:44:31.076031 = 3.573091 second
3. The Internet address of the gaia.cs.umass.edu is 128.119.245.12, The Internet address of my computer is 192.168.42.125
4. 见压缩包中的Lab1_print_PDF.pdf

Part 2

1. Browser http version: HTTP 1.1. Server http version: Http
2. Accept-language : zh-CN\r\n
3. My computer's IP: 192.168.42.125. gaia.cs.umass.edu's IP: 128.119.245.12
4. Status code : 304 Not Modified
5. Arrival Time : Apr 8, 2015 18:40:04.913970000 CST
6. 554 bytes (4432 bits)
7. No
8. No. There didn't have a IF-Modified-Since line.
9. Yes, there server did! Because I have cleaned the cache. Then the Sever explicitly return a html contents.
10. Yes. The GET request had a IF-Modified-Since header line. If-Modified-Since: Wed, 08 Apr 2015 05:59:01 GMT. Follow is time and date.

11. The status code is 304 Not Modified. The server didn't explicitly return the contents of the file. Because browser has previous cache about contents.

12. One

13. Four TCP segments were needed.

14. Status code: 200. Http.response.phrase:ok

15. NO, there are not.

16. In total, Three GET request sent by browser. one request a HTML, Others request three pictures which in the html Internet address:

128.119.245.12

165.193.140.14

128.119.240.90

17. They were downloaded serially. Because their time in the package list are different, and there were transmitted by 2 TCP.

18. Status code: 401 , Phrase: Authorization Required

19. Authorization: Basic d2lyZXNoYXJrLXN0dWRlbnRzOm5ldHdvcms