

Homework 1

Bishoy Abdelmalik

March 13, 2021

1.
 - d. **What is the first line received from the server?**
HTTP/1.0 302 Found
 - e. **What is the meaning of the numeric status code you receive in this line (from prior question)?**
It means it redirected me to another location.
 - f. **In general, what does the command “GET /” do?**
Send a get request to the root of the given domain.
 - g. **Write the equivalent URL to access this site, as performed in part f...?**
http://www.csun.edu/
 - h. **Now retry with the command “GET /xxyz.html HTTP/1.1” on line 1 (and be sure to put Host: www.csun.edu on the next line) What do you receive this time?**
HTTP/1.1 404 Not Found and an html for the csun 404 page.
 - i. **What is the meaning of the status code from part h?**
Requested file doesn't not found ie doesnt exist.
 - j. **What web-server type and version is being run at www.csun.edu from the info returned in part i?**
Apache/2.2.3
2.
 - a. **What is the complete path of the file djedhi.html on the server?**
/var/www/the/last/djedhi.html
 - b. **What is the domain name of the server?**
adamkaplan.org
 - c. **What is the protocol being used?**
HTTPS
 - d. **What port (on the server) will the web browser try to connect to for this request?**
Port 443 since its an HTTPS connection.
3.
 - a. **What is the Session Transcript for the domain www.cs.ucla.edu?**

```
- - - mx:www.cs.ucla.edu
```

```
1 g.edu-servers.net 192.42.93.30 NON-AUTH 34 ms Received 4 Referrals , rcode=NO_ERROR ucla.edu. 172800
  IN NS ns1.dns.ucla.edu,ucla.edu. 172800 IN NS ns2.dns.ucla.edu,ucla.edu. 172800 IN NS
  ns3.dns.ucla.edu,ucla.edu. 172800 IN NS ns4.dns.ucla.edu,
2 ns2.dns.ucla.edu 54.201.38.106 AUTH 72 ms Received 1 Referrals , rcode=NO_ERROR cs.ucla.edu. 14400 IN
  SOA mname=NS0.CS.UCLA.EDU rname=Postmaster.CS.UCLA.EDU serial=2021030900,
LookupServer 274ms
```

- b. **What is the Session Transcript for the fictional domain adamkaplan.org?**

```
- - - mx:adamkaplan.org
```

```
1 c0.org.afiliias-nst.info 199.19.53.1 AUTH 27 ms Received 1 Referrals , rcode=NAME_ERROR org. 900 IN
  SOA mname=a0.org.afiliias-nst.info rname=noc.afiliias-nst.info serial=2014285034,
LookupServer 55ms
```

c. What is the Session Transcript for the fictional domain flatitude.google.com?

- - - mx:flatitude.google.com

```
1 f.gtld-servers.net 192.35.51.30 NON-AUTH 35 ms Received 4 Referrals , rcode=NO_ERROR google.com.
  172800 IN NS ns2.google.com,google.com. 172800 IN NS ns1.google.com,google.com. 172800 IN NS
  ns3.google.com,google.com. 172800 IN NS ns4.google.com,
2 ns1.google.com 216.239.32.10 AUTH 2 ms Received 1 Referrals , rcode=NAME_ERROR google.com. 60 IN SOA
  mname=ns1.google.com rname=dns-admin.google.com serial=362682143,
LookupServer 104ms
```

4. **URL:** <http://akaplan.edu/echo.php?a=b&q=15&d=funk&c=4&b=2&e=z>

- 5. a. **csun.edu** 30 hops
- b. **youtube.com** 9 hops
- c. **www.cs.vu.nl** 27 hops

6.

Packet #1: