

HANDS ON #5

1) 1. The IP address(es) for each domain:

a. cnn.com:

- i. Server: UnKnown
- ii. Address: 100.4.75.1
- iii. Non-authoritative answer:
- iv. Name: cnn.com
- v. Addresses: 2a04:4e42:200::773
- vi. 2a04:4e42:400::773
- vii. 2a04:4e42:a00::773
- viii. 2a04:4e42:c00::773
- ix. 2a04:4e42::773
- x. 2a04:4e42:e00::773
- xi. 2a04:4e42:800::773
- xii. 2a04:4e42:600::773
- xiii. 151.101.67.5
- xiv. 151.101.3.5
- xv. 151.101.195.5
- xvi. 151.101.131.5

b. stars.chromeexperiments.com:

- i. Server: lo0-100.NRFLVA-VFTTP-315.verizon-gni.net
- ii. Address: 100.4.75.1
- iii. Non-authoritative answer:
- iv. Name: ghs.google.com
- v. Addresses: 2607:f8b0:4004:c1b::79
- vi. 142.251.163.121
- vii. Aliases: stars.chromeexperiments.com

c. coolthings.com:

- i. Server: lo0-100.NRFLVA-VFTTP-315.verizon-gni.net
- ii. Address: 100.4.75.1

- iii. Non-authoritative answer:
- iv. Name: ghs.google.com
- v. Addresses: 2607:f8b0:4004:c1b::79
- vi. 142.251.163.121
- vii. Aliases: stars.chromeexperiments.com

- viii. Server: lo0-100.NRFLVA-VFTTP-315.verizon-gni.net
- ix. Address: 100.4.75.1

- x. Non-authoritative answer:
- xi. Name: coolthings.com

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xii. Address: 159.135.38.228

- 2) The prices for the three domain names you were interested in purchasing.
  - a. Habanero Bandolero (Taste of a fiery bandit) -> habanerobandolero.com is \$20.00 because they offer a 2-year registration agreement that charges \$0.01 for the first year and \$19.99 for the second year. It will cost \$19.99 yearly for additional use of this domain name
  - b. Scotch Bonnet Sonnet (a scorching poem in your mouth) -> scotchBonnetSonnet.org is \$20.99 for the first two years because they are offering a 2-year registration agreement that charges \$1.99 for the first year and \$20.99 for the second year. The domain name will cost \$20.99 yearly for additional use of this domain name.
  - c. John Wilson -> johnwilson.life is \$47.98 for the first two years because they are offering a 2-year registration agreement that charges \$1.99 for the first year and \$45.99 for the second year. The domain name will cost \$45.99 yearly for additional use of this domain name.

- 3) Answers to the following questions using your personal insights:

- a. Why do companies pay thousands of dollars for the rights to use a domain name?

Companies will pay for specific domain names because they believe the domain names will provide them more business. From my understanding big corporations pay massive amounts of money for product names that are easy to remember, search, and to associate with a safe and reliable brand. In addition, they will need to obtain these domain names to keep competitors (and criminals, do not forget the cybercriminals they are everywhere) from using a similar domain name to steal business or destroy the brands reputation.

- b. Why do you think a company would want more than one IP address assigned to a single name?

One of the main reasons for multiple IP addresses is for redundancy purposes. By having multiple IP addresses this lessens the risk of down time by allowing more users to get to your services. For instance, Movie servers (Netflix), Search Engine servers (Google or Yahoo), and Gaming servers (Microsoft or Steam) have multiple IP addresses on the internet to handle their client demand. Imagine if your business product is popular, like Tik-Tok which holds Social Media servers, and only used one IP address; The one IP address would not be able to hold the congestion and it has the potential to shut out customers that want to get to the service. Another reason would be if that IP address has a problem of some kind, the other IP addresses that can be used as an additional route for customers to get to the businesses service.

## References

Tips 30, W. K. I. M. (2008, October 16). *Why Would Anyone Pay Thousands for a Domain Name?* Small Business Trends. <https://smallbiztrends.com/2008/10/pay-thousands-domain-name.html#:~:text=Premium%20domain%20names%20are%20generally>

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