

Hands on #5

IT315: Intro Network and Security

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IP addresses for provided websites

```
C:\Users\dayst>nslookup www.cnn.com
Server: CR1000A.mynetworksettings.com
Address: 192.168.1.1

Non-authoritative answer:
Name:      cnn-tls.map.fastly.net
Addresses: 2a04:4e42:77::773
           146.75.31.5
Aliases:   www.cnn.com
```

CNN.com IP: 146.75.31.5

```
C:\Users\dayst>nslookup Stars.chromeexperiments.com
Server: CR1000A.mynetworksettings.com
Address: 192.168.1.1

Non-authoritative answer:
Name:      ghs.google.com
Addresses: 2607:f8b0:4004:c19::79
           172.253.115.121
Aliases:   Stars.chromeexperiments.com
```

Stars.chromeexperiments.com IP: 172.253.115.121

```
C:\Users\dayst>nslookup coolthings.com
Server: CR1000A.mynetworksettings.com
Address: 192.168.1.1

Non-authoritative answer:
Name:      coolthings.com
Address:   159.135.38.228
```

Coolthings.com IP: 159.135.38.228

GoDaddy URLs and Pricing

Steven-day.com	- 10 years – \$197.92
Interestingideas.inc	- 10 years - \$36,999.90
	3 years - \$8,999.97
SteveDayResume.com	- 3 years - \$43.99
	5 years - \$87.97
	10 years - \$197.92

Answers to questions

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

Companies pay thousands of dollars for domain names because a good domain is like prime real estate on the internet. A simple, domain name that is easy to remember makes it easier for customers to find the company online, which is crucial for building brand recognition. It also adds to the company's credibility and customers are more likely to trust a "professional sounding" domain name over a complicated or generic one. Just like a great location for a physical store, the right domain name can boost business by making the company more visible in the digital world.

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

A company might want more than one IP address assigned to a single name for a few practical reasons. First, it helps with load balancing, by spreading out the traffic, their website don't get overwhelmed if too many people visit at once. It also improves reliability, so if one server goes down, the others with different IP addresses can keep the website running. Additionally, having multiple IP addresses allows for better security and flexibility in managing different parts of the website or services. It's like having multiple backup routes to make sure everything stays smooth and accessible.