

Domain Name System

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Lectures: Wednesday, 7:10 pm – 9:50 pm
Textbook: Internet Security, A Hands-on Approach, Wenliang Du
Class webpage: www.blackboard.odu.edu

COURSE DESCRIPTION:

We will discuss about DNS:

- 1) Dig: DNS lookup.

[https://en.wikipedia.org/wiki/Dig_\(command\)](https://en.wikipedia.org/wiki/Dig_(command))

<https://linuxize.com/post/how-to-use-dig-command-to-query-dns-in-linux/>

- 2) Fierce: DNS Analysis

<https://tools.kali.org/information-gathering/fierce>

- 3) DNS online

<https://toolbox.googleapps.com/apps/dig/#A/>

- 4) DNS video

<https://www.youtube.com/watch?v=hYZY75xMjIY>

<https://www.youtube.com/watch?v=THLjwWJr5P4>

- 5) Determine Your Private and Public IP Addresses from the Command Line

<https://www.linuxtrainingacademy.com/determine-public-ip-address-command-line-curl/>

- 6) Determine others public IP Addresses from the url

“nslookup google.com”

“host google.com”

- 7) Video about Nat (connecting private ip and public ip)

<https://www.youtube.com/watch?v=WK6QLjORF7Q>

8) Hosts

<https://www.howtogeek.com/howto/27350/beginner-geek-how-to-edit-your-hosts-file/>

<https://vitux.com/linux-hosts-file/>

<https://www.youtube.com/watch?v=um1DvaT8aVA> (Check this video where a malware modifies the host files to block some sites)

9) Flushing client DNS

<https://beebom.com/how-flush-dns-cache-linux/>

<https://www.addictivetips.com/ubuntu-linux-tips/flush-dns-cache-on-linux/>

10) Root domain servers

https://www.cybertelecom.org/dns/root_servers.htm

<https://www.iana.org/domains>

<https://www.iana.org/domains/root/servers>

<https://root-servers.org>

11) Bind 9 server

<https://www.isc.org/bind/>

12) The Kaminsky Attack

<https://www.youtube.com/watch?v=JIG0giryqqY>

13) Dns sec

<https://www.cloudflare.com/dns/dnssec/how-dnssec-works/>

<https://www.icann.org/dns-resolvers-checking-current-trust-anchors>