Harvard University
CSCI S-40, Communication Protocols and Internet Architectures
Reading Assignment for Lecture 9

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NOTE: this reading assignment and the material in lecture #9 will not be covered on the midterm

- In the course textbook Internetworking with TCP/IP Volume One - 6th Edition
    * Read Chapter 23 (DNS)

- Read this short article on the history of DNS.
    https://www.internetsociety.org/blog/2013/11/happy-30th-birthday-dns/

- Read RFC 1034, pages 1 – 9

- Optional: The following provides background information on DNS support for IPv6.
    https://www.internetsociety.org/resources/deploy360/2014/dns-considerations-for-ipv6/

- Optional: This is a very good tutorial on DNS and DNSSEC. DNSSEC provides an extension to DNS that authenticates the DNS response. This ensures that you reach, for example, the real Harvard web server that belongs to Harvard, versus another server operated by a bad actor, when you enter www.harvard.edu. We will learn about DNSSEC after we discuss network security.
    http://www.internetsociety.org/deploy360/resources/video-introduction-to-dns-and-dnssec/

- Optional: links for information on the history of DNS, DNSSEC and DNS support for IPv6.
    http://www.internetsociety.org/deploy360/dnssec/
    https://www.internetsociety.org/deploy360/
    https://blog.cloudflare.com/dnssec-an-introduction/
    https://www.arin.net/resources/dnssec/#dns

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