Part 1: Network and Server Discovery
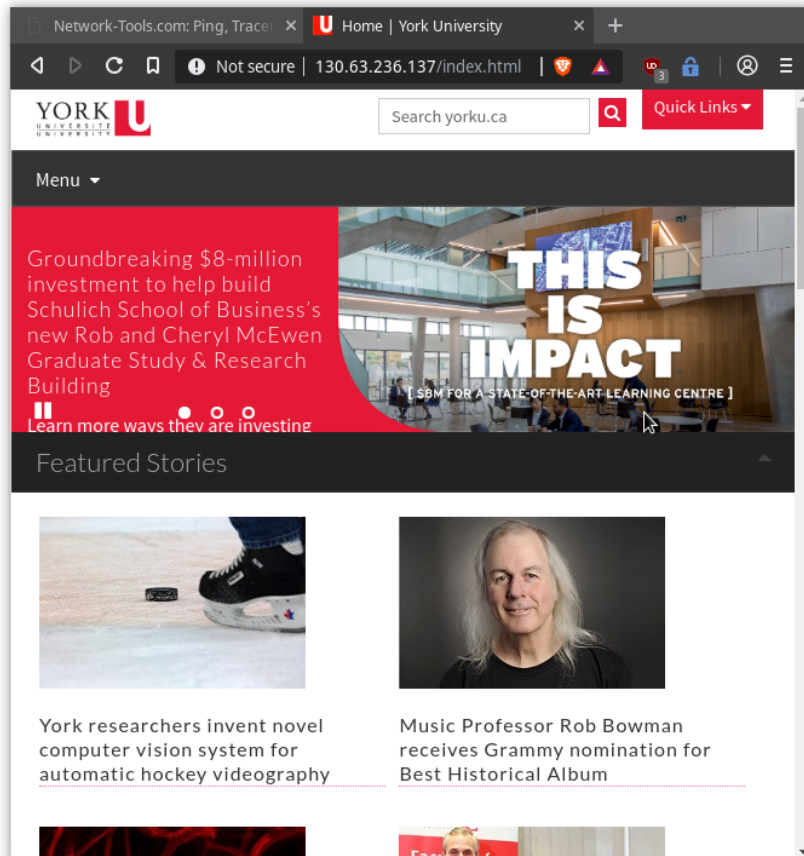
    i. What is the IP address of the server? 130.63.236.137

    ii. Open a browser session and paste the IP address in the address bar of the browser, document the output using a screen snapshot.

  iii. What is the source of the server that performed resolution of whois utility?

  iv. What is the network name?

   v. What is the Organization's name?

  vi. From the Tools menu, select Nslookup and specify www.yorku.ca for the hostname and select All for Query type.

    1. What type of records does the server has (A or AAAA)?

    2. What is the IP address of the server?

    3. Attempt to browse the home page of the server using its IP address and document the output using a screen snapshot.

    4. What is the 1st domain server's name?

    5. What is the 2nd domain server's name?

vii. From the Tools menu, select Nslookup and specify www.iis.se for the host name and select All for Query Type.

1. What type of records does the server has?
2. What is/are the IP address of the server?
3. Attempt to browse the home page of the server using its IP addresses IPv4 and IPv6 and document the output using a screen snapshot.
4. Reattempt to brows the home page using [IPv6], you should include the IPv6 in the brackets in the address bar of the browser.
5. What is the 1st domain server's name?
6. What is the 2nd domain server's name?
7. Test connectivity to the server using the Ping utility and IPv6.

viii. Using the resource https://tools.keycdn.com/geo,

1. Find the geographical location of the server www.yorku.ca by name and by IPv4.
   a. What is the host name?
   b. What is AS number of the network?
   c. What are the city, country, continent, and latitude/longitude coordinates values?
2. Find the geographical location of the server www.iis.se by the server name, IPv4, and IPv6.
   a. What is the host name?
   b. What is AS number of the network?
   c. What are the city, country, continent, and latitude/longitude coordinates values?

ix. Using the resource https://network-tools.com/, select HTTP Headers and specify the server name yorku.ca as the server name.

1. What is the HTTP protocol version running on the server?
2. What type of web server is running on the server?
3. What type of operating system is running on the server?
4. Has the server reported any error messages? If so, search the code and attempt to interpret its meaning?

x. Using the resource https://network-tools.com/, select HTTP Headers and specify the server name www.iis.se as the server name.

1. What is the HTTP protocol version running on the server?
2. What type of web server is running on the server?
3. What type of operating system is running on the server?
4. Has the server reported any error messages? If so, search the code and attempt to interpret its meaning?

5. Re-attempt requesting the headers using https://www.iis.se instead of www.iis.se; has the server reported any messages; if so, what is the message code?

Part 2: Electric Boogaloo