

This activity is done individually.

1. Research how to use *ping* utility to ping IPv4 and IPv6 addresses. Using your virtual machine and *ping utility*, locate two websites that are using IPv4 addressing scheme only and 2 websites that are using both IPv4 and IPv6 (domain names google.com, amazon.com and clemson.edu *cannot* be used in this activity). Include a screenshot for each to illustrate how you have found these sites.

If you are unable to ping the IPv6 addresses then just ping the IPv4 address and state that the domain also supports IPv6. There are several reasons why pinging it may not work, which we will discuss in class. 2 points.

2. Investigate iana.org website and find the listing of port numbers that are assigned to various services. List 2 port numbers assigned to services you are familiar with. List the services and the port numbers (http, smtp, pop3 and imap *cannot* be used). Many of the port numbers have humans illustrating what assignees. Investigate why this is the case and who those people are. Find out who Jon Postel is and why he is assigned a number of ports. 3 points.

Write a brief report with your findings and include your screenshots in the report. Convert it to .pdf and submit to canvas. Do not submit your screenshots separately.

Due: Friday, 1/29 before 6pm EST.