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IT 520

February 20, 2018

WireShark: Lab 4

1. What is the IP address of your computer?

* My computer’s IP address is 192.168.1.4

1. What is the total length of the datagram?

* The total length of the WireShark file received from the gaia host is 540 bytes. However, I also received a Not Found response which was 538 bytes so the true total amount of datagram received, from the gaia host, would be 1078 bytes.

1. Has this IP datagram been fragmented?

* No, since the fragment offset is < 1. The depicted 0 in the screenshot shows that there is no fragmentation.

1. How many bytes are in the IP header?

* The IP header length is 20 bytes.

1. How many bytes are in the payload *of the IP datagram*?

* The payload of the IP portion of the message is 506 bytes. Since the header is the portion that helps the datagram traverse to its destination, it is not the actual message. Which is why I subtracted 20 bytes from the total length of 526 bytes.

