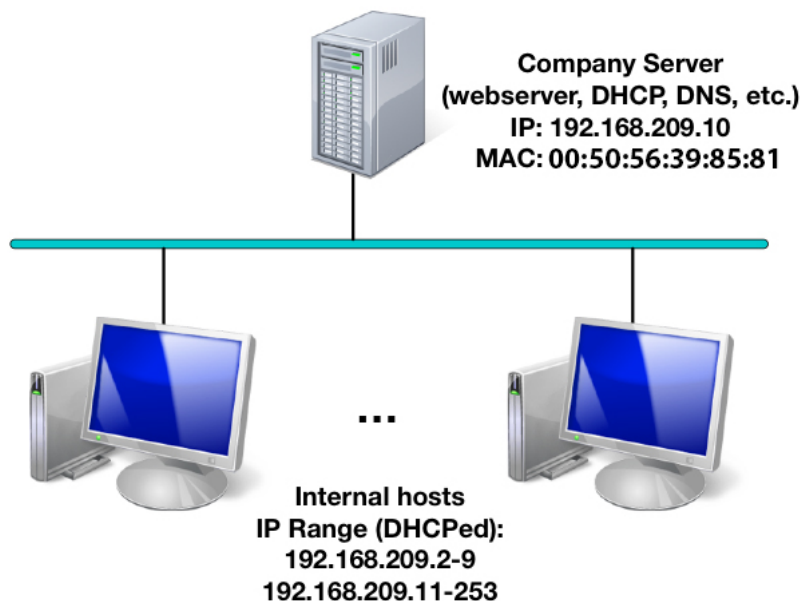


# Assignment 1

Due 11:59 PM, Feb 15, 2018

ABC Inc., a small tech startup company, is negotiating a business with another company, Personman Inc. Before meeting with Personman representatives, ABC board of directors decided that the lowest price acceptable for ABC is \$6,430,000. During the meeting, however, Personman representatives surprisingly gave the exact same price, \$6,430,000, in their offer. Therefore, following the confidential strategy given by the CEO, ABC representatives had to accept this offer.

The CEO of ABC Inc. is very surprised by the result. Doubting it is a coincidence, the CEO suspects that either some member of the negotiation team leaked the confidential strategy to Personman, or Personman representatives somehow obtained the information illegally. ABC, Inc is investigating this incident and gathering evidence. Fortunately, the company keeps monitoring network traffic on the internal webserver, which was used to share the confidential strategy between the CEO and negotiation team. The web folder that contains the negotiation plan is password-protected. The network topology is shown below. During the business negotiation, Personman Inc. employees have visited ABC Inc.'s premise multiple times.



You are hired as a forensic consultant for the investigation. You are given a pcap file that contains the network traffic seen at the web server. Please use your knowledge in network analysis to help find out how the confidential information was leaked. Please submit a one-page document that describes your investigation results. List your investigative steps and the evidence that helps you reach your conclusion.