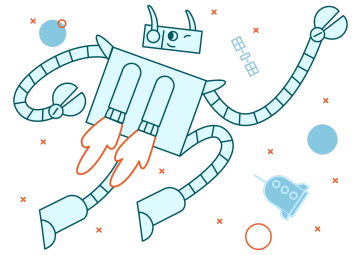


Private Investigations



Become a network detective by exploring various aspects of network configurations and geolocation! In this challenge, you'll use command-line tools and online services to discover information about your own network and geolocation, as well as that of another IP address.

Tasks

Discover Your Network Configuration: Use the `ipconfig` command to find out details about your network configuration. What is your IP address? Is it private or public? How do you know?

Find Your Public IP: Use an online service like whatismyip.com to discover your public IP address. How does it differ from the IP address you found with `ipconfig`? Why is there a difference?

Geolocate Yourself: Use a geolocation service (e.g., ipinfo.io) to find the approximate location of your public IP address. What country and city are you in according to this service? Does it make sense?

Geolocate Another IP: Use the `nslookup` command to find the IP address of www.google.com, and use the same geolocation service to find its location. Where is it located? Does it make sense?

To submit

Create a text document containing your answers to the above tasks. For each task, provide the command you used (if applicable) and a brief description of your findings. Be sure to include any interesting observations or surprises you encountered during this challenge.