- Filename: eccouncil-ceh31250-v11-2-3-1-shodan-censys-and-thingful.md
- Show Name: CEHv11 (312-50)
- Topic Name: Footprinting and Recon
- Episode Name: Shodan, Censys, and Thingful

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Shodan, Censys, and Thingful

Objectives:

- Footprint a target using IoT search engines for details such as deployed technologies, VoIP, and VPN

- We've looked at many different ways to gather information about a client/target, but we've mostly talked about searching for user/org/web info. What about the actual technologies and internet connected devices? How would we get that kind of info?

    - Shodan, Censys, and Thingful

- Let's start off with Shodan. What are some of the details about Shodan we need to know?

    - https://help.shodan.io/the-basics/what-is-shodan
    - Shodan Demo

- Shodan seems pretty useful, but you mentioned Censys. How does Censys differ?

    - https://about.censys.io/
    - Censys Demo

- Is Thingful just another IoT search engine?

    - It is, but it does some interesting things

        - https://www.thingful.net/site/about

    - Thingful Demo

        - Webcam
        - Wind