Investigation: The Who, What, and Where of Apps

Contact Info

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1   Overview

The US experienced nearly 36% growth in "computer/mathematical" jobs between 2005 and 2015. The advent of coding academies, learning tools, and academic programs geared to accommodate this growth has led to several entry level professionals, jobs, and entrepreneurs. Technical roles require professionals to do plenty of investigating on apps, servers, domains, etc., but many are lost on how to do this. This course will address how to use essential tools for investigation in the day-to-day work of a developer.

2   Duration

This is a 4-hour course.

3   Objectives

- Gain a fundamental understanding of networking for websites
- Use command line and web tools to investigate domains and IPs
- Structure and evaluate methods of application deployments

4   Key Takeaways

After this course, you will be able to:

- Know how to find out owners of a domain name
- Know how to find the IP address and host a website runs on
- Choose your own approach to delivering web applications

5   Prerequisites

- None–just an interest in technology

6 Required Materials

For this, you will need the following:

- Workbook (provided)

- Computer (either a Macbook, laptop with Linux, or Windows with a Linux virtual machine or Docker)

For Windows users, we recommend Docker; however, if you need to create a virtual machine, we recommend:

- VirtualBox – https://www.virtualbox.org

- A Linux distro – Ubuntu (https://www.ubuntu.com/download/desktop) is easiest, but any will do.

7 Schedule/Topics Discussed

- Using the terminal (OS X and Unix/Linux, partial Windows)

- Finding/verifying DNS records

- Finding/verifying WHOIS entries

- Lab: find the stack