Software Installation Overview

**Overview:**

This module provides an overview of the software installation process required for this course. Please carefully review the following information and follow the instructions provided to download the necessary software.

**Software Requirements:**

In this section, you will find details about the software needed for this course and instructions on how to download it. Click on the appropriate link for detailed installation instructions based on your operating system (Mac or Windows).

**Setting Up Online Accounts:**

Before proceeding with software downloads, you need to create accounts for the following online resources:

**LinkedIn:**

LinkedIn is a crucial platform for professional development and job search in the cybersecurity industry. Career Services will offer guidance on optimizing your profile, but you can start by creating your account using the instructions below:

1. Go to [LinkedIn](https://linkedin.com/) and complete the registration process.
2. Create your profile. As recruiters often scour this site for job candidates, the minimum information on your profile should be a headshot photo, job history, education history, and relevant skills.
3. Start connecting with coworkers and friends! Build your network one connection at a time.

Looking for tips for creating an outstanding LinkedIn profile? Check out the links below.

* [22 Useful & Quick Ways You Can Improve Your LinkedIn Profile](https://www.searchenginejournal.com/improve-your-linkedin-profile/226433/)
* [How to Create an All-Star LinkedIn Profile](http://topdogsocialmedia.com/linkedin-marketing-infographic/)

**GitHub**  
  
GitHub is a coding and version control platform used for managing frequently changing documents. While optional for this class, creating a GitHub account is recommended as the same credentials will be used for GitLab, a required tool.

**Setting Up GitHub:**

* **Sign up on GitHub:** Visit GitHub's website and complete the sign-up process. We suggest including a headshot and contact information in your profile.

Google:

During this boot camp, we'll utilize Google Chrome as the default browser. To access Google Chrome, you'll need a Google account. If you don't have one yet, follow these steps to create an account:

**Creating a Google Account:**

* **Visit the sign-up page:** Go to Google's sign-up page and complete the required form.
* **Review Google's Privacy Policy:** Take a moment to review and accept Google's Privacy Policy.

**Your Software Overview:**

Now that you've set up your GitHub and Google accounts, let's proceed with downloading the necessary software for the class. Below, you'll find details about the software we'll be using along with setup guides for both Mac and Windows systems. Choose the appropriate link for your machine and download all required software before the start of your first class.

**Classroom Tools:**

We'll be using the following tools daily to ensure smooth communication and organization during class:

* **Google Chrome:** Our primary web browser for testing code functionality.
* **Teams:** A platform for collaboration and communication.
* **Zoom:** Used for virtual class sessions.
* **LastPass:** An essential tool for password management and security.

**Google Chrome:**

We recommend using Google Chrome as our web browser due to its compatibility and extensive tools that facilitate code testing. If you're currently using a different browser, consider switching to Google Chrome for the best experience during the boot camp.

### **2. Teams**

Teams is an online communication tool that is a mix of forum, instant messenger, and email all rolled into one. It's a tool used by countless organizations worldwide, and you'll be using it every single day for the next three months.

We will use Teams to send code snippets during class, relay important announcements, and facilitate group exercises. You will receive the link to your class-specific channel during orientation.

**3. Zoom**

Our class is being held remotely, so you will be using Zoom to interact with your classmates and instructional team. Use the following videos to guide you through the installation process and learn about some of the great features you may see throughout your classroom experience!

[**Setting up Zoom**](https://trilogyed.wistia.com/medias/4dkizj8vjw)

[Video link to Zoom Features](https://trilogyed.wistia.com/medias/tpycnx2e34)

**4. LastPass**

LastPass is an easy-to-use password manager. Cybersecurity professionals will be required to maintain several strong passwords, which can be very challenging to keep track of. While you'll still be required to memorize some essential passwords, LastPass can help reduce the number of passwords you need to remember while maintaining high security for your many accounts.

**Program Tools**

Next, we'll take a look at the technical tools we'll use throughout the curriculum. Some of these tools are specific to one or two modules, and other tools will be used continuously throughout the various modules.

* Git Bash (Windows only)
* Terminal (Mac only; pre-installed)
* VirtualBox
* Vagrant
* Wireshark

### **Git Bash and Terminal**

Git Bash (for Windows users) and Terminal (for Mac users) offer a command-line interface for working with the files and folders on your computer.

Uh, why would I want that? Over time, you'll come to understand that, in many situations, using a command-line interface can be faster and more effective than relying on the operating system's graphical user interface (GUI). You'll get plenty of exposure to the command line at the beginning of the course.

### **VirtualBox**

Throughout the course we will be doing many hands-on labs, which have different requirements in terms of software and platform. To ensure both Windows and Mac users can complete the same tasks, we will use VirtualBox. The primary benefit of this free software is the ability to run multiple operating systems simultaneously. This will allow you to run Mac and Linux programs on Windows (and vice versa) without the need of a separate machine or having to reboot your device.

For compatibility purposes, in this class we'll require you to download a specific build; be sure to follow the link provided on the next page.

### **3. Vagrant**

Vagrant is a tool used to build and manage virtual machine environments. Vagrant can be used to quickly and easily distribute virtual machines. This tool will allow you to download, configure, and rebuild the necessary virtual machines with a few simple steps.

For prework, you just need to install Vagrant. In week one, you will work with your instructor to set up your virtual machines.

## **You're Ready to Install!**

Now it's time to collect your tools and begin. Setup guides for both Mac and Windows users are provided in the links below. Select the link that matches the machine you have and follow the instructions closely.

**Windows Users Installation Link:**

[https://techeccentric.sharepoint.com/sites/Training/\_layouts/15/doc.aspx?sourcedoc={9d49e687-ede5-47b7-a6ba-d38a2ba20dd0}&action=edit](https://techeccentric.sharepoint.com/sites/Training/_layouts/15/doc.aspx?sourcedoc=%7b9d49e687-ede5-47b7-a6ba-d38a2ba20dd0%7d&action=edit)

**Mac Users Installation Link:**

[https://techeccentric.sharepoint.com/sites/Training/\_layouts/15/doc.aspx?sourcedoc={70c5ed09-3903-4f41-b776-194661d046f3}&action=edit](https://techeccentric.sharepoint.com/sites/Training/_layouts/15/doc.aspx?sourcedoc=%7b70c5ed09-3903-4f41-b776-194661d046f3%7d&action=edit)