

### Overview

This lab will teach basic Wireshark skills to include GUI identification and application navigation.

**Time: 15 Minutes**

### Learning Objectives

Upon completion of this lab, you should be able to:

1. Familiarize yourself with the Wireshark interface.
2. Customize the Wireshark interface.

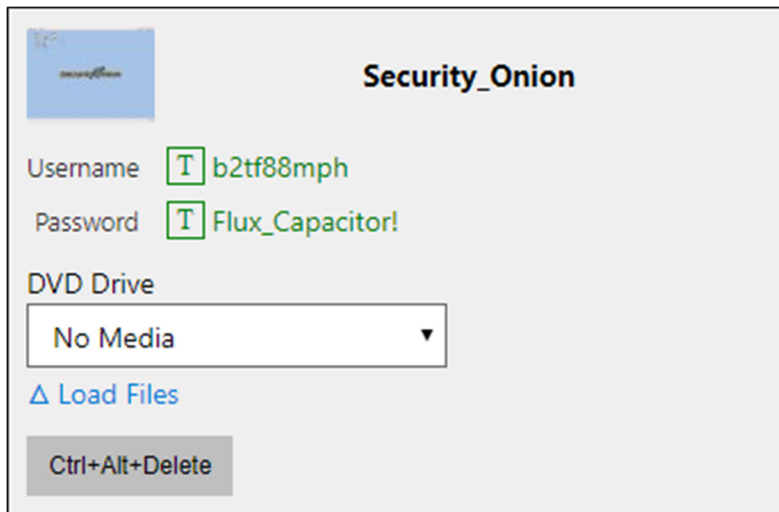
### Resources

The following document has been provided to assist you in this lab.

[Wireshark Cheat Sheet](#)

### Log in to the Lab Machine

Select the **Security\_Onion** machine on the Machines Tab.

A screenshot of a login window titled "Security\_Onion". The window has a light gray background. At the top left is a small blue icon with the text "Security Onion" below it. The main area contains the following elements: a "Username" label followed by a text input field containing "b2tf88mph"; a "Password" label followed by a text input field containing "Flux\_Capacitor!"; a "DVD Drive" label followed by a dropdown menu showing "No Media"; a blue link "Load Files" with a small triangle icon; and a gray button labeled "Ctrl+Alt+Delete".

**Security\_Onion**

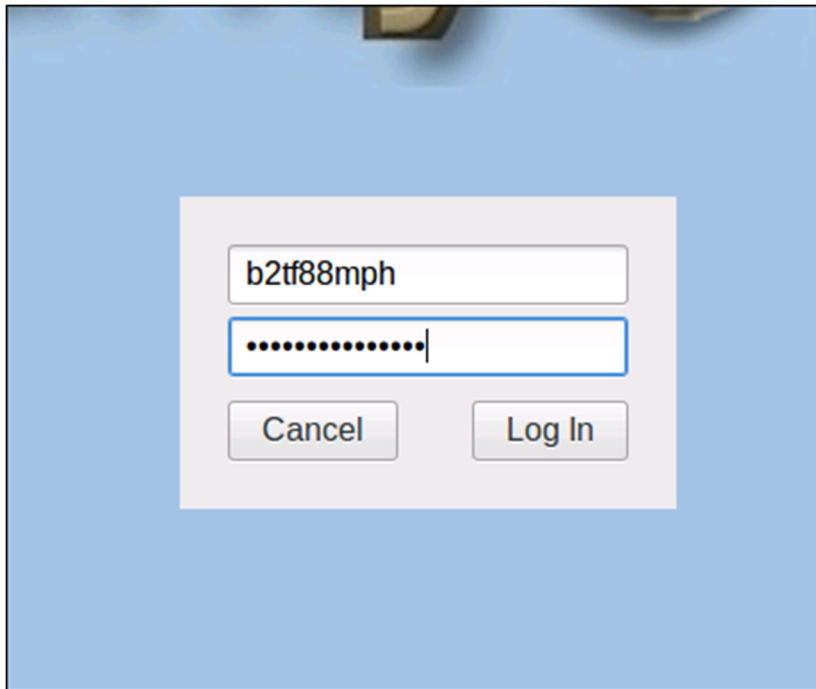
Username

Password

DVD Drive

[Load Files](#)

Enter the Username and Password on the **Security\_Onion** machine, and click Log In.



## 1.0 The User Interface

What is Wireshark?

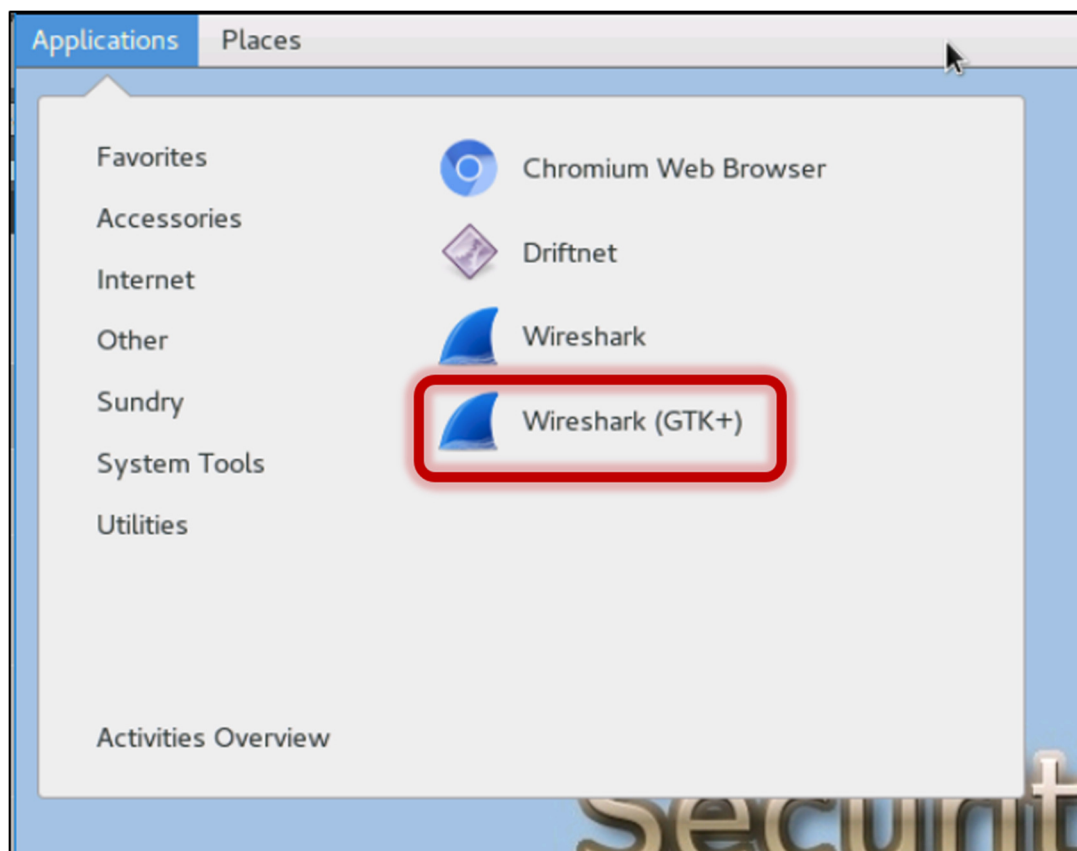
Wireshark is a free and open source packet analyzer. It is used for network troubleshooting, analysis, software and communications protocol development, and education.

Let's get familiar with the interface, so we can learn to use it.

In this class we use Wireshark (GTK+) since it is the default program for PCAP files in **Security\_Onion**. There are some graphical differences between the two versions, but no functional differences.

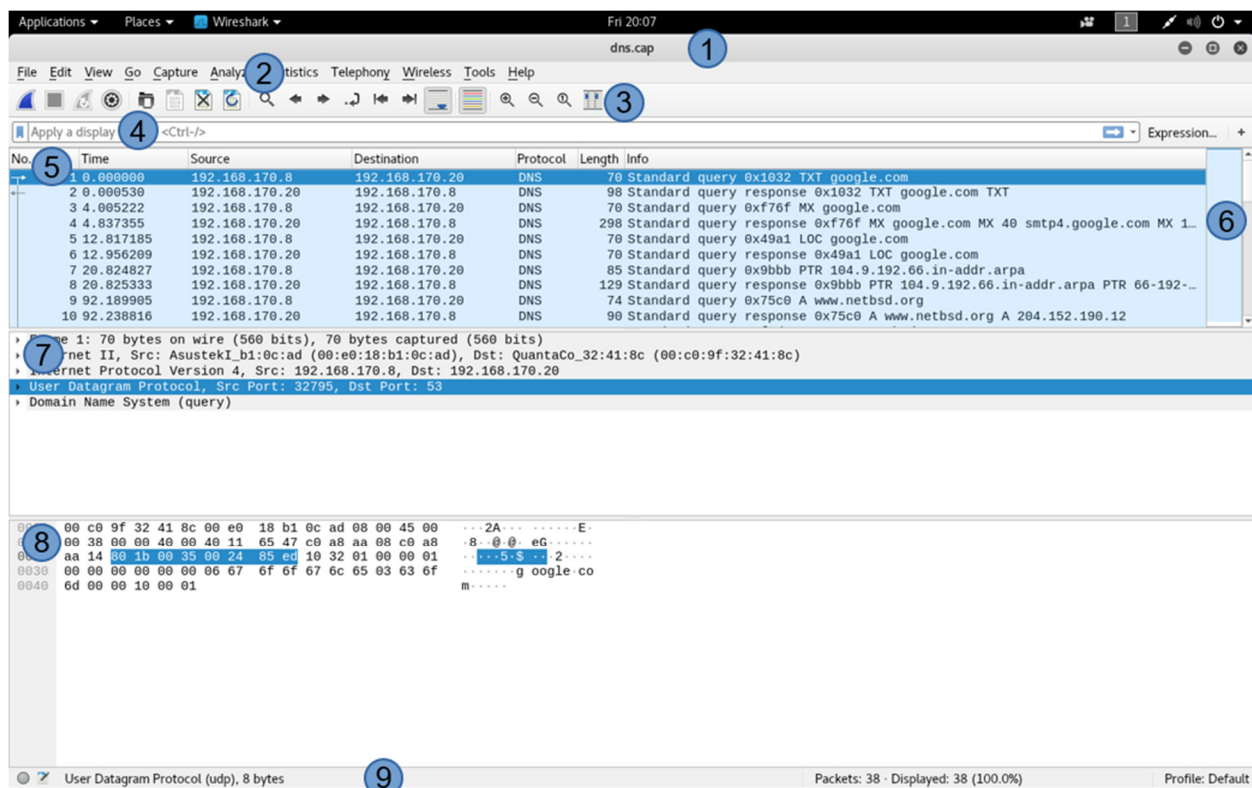
GTK+ is a cross-platform widget toolkit for creating graphical user interfaces in LINUX builds.

First you will need to open the Wireshark application. In **Security\_Onion** Wireshark can be found by clicking **Applications** and moving the mouse over **Internet** and select **Wireshark (GTK+)**.



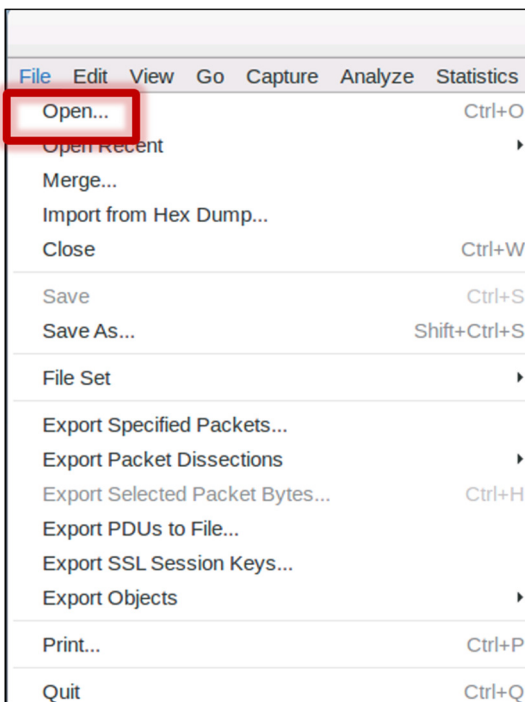
Now that we have the application open, we want to explore the User Interface. Take a moment and explore the interface and find the following components.

1. Title Bar
2. Main Menu
3. Main Toolbar
4. Filter Toolbar
5. Packet List
6. Intelligent Scrollbar
7. Packet Details
8. Packet Bytes
9. Status Bar



## 1.0 Opening a File in Wireshark

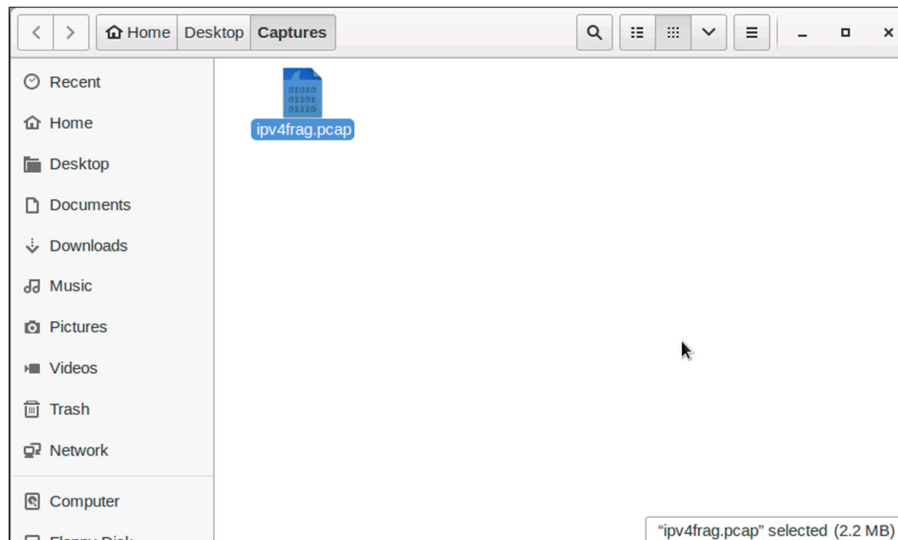
1.1 On the Main Menu, click on **File** and click on **Open**.



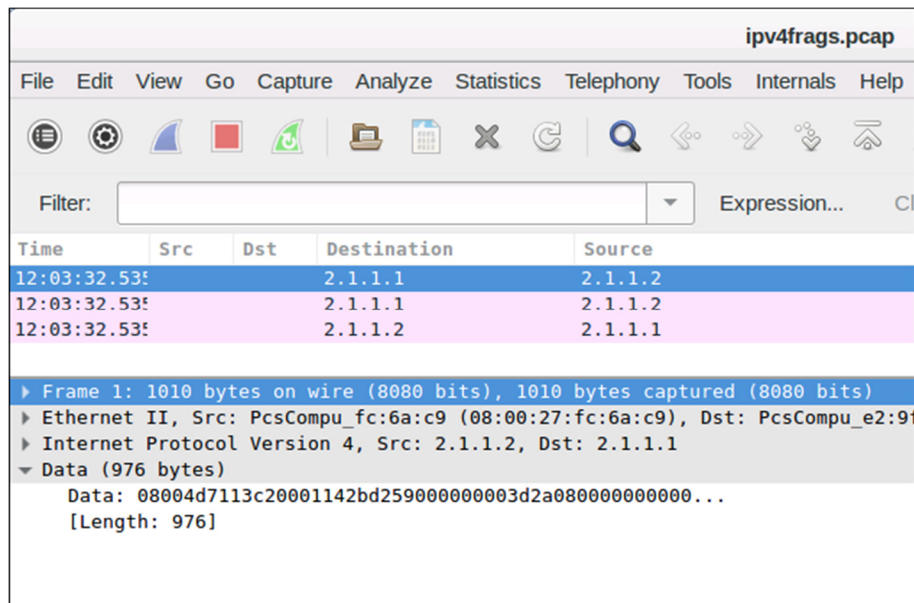


1.2 Click on **b2tf88mph**, then navigate to the **Desktop** folder followed by the **Captures** folder.

1.3 Open **ipv4frag.pcap**.



1.4 In the Packet Details, click on the data line.



This will load the data from the packet selected in the Packet List.

