UC.yber; Meeting 24

Meet New Leadership and Wireshark

If You're New!

- Join our Slack ucyber.slack.com
- Follow us on Twitter @UCyb3r and Facebook UC.yber; University of Cincinnati OWASP Chapter
- Feel free to get involved with one of our committees: Content, Finance, Public Affairs, Outreach, Recruitment
- Stay updated through our weekly emails and SLACK

Announcements

- **UC has \$85,000** to spend on equipment
- Siemens has the server ready to pick up
- Northrop Grumman has given us \$1,000 for a competition team
- P&G is ready to bring us on a tour of their cyber defense center
- October 27/28th ACM programming challenge

Rules Of Engagement (ROE)

- Always operate within the bounds of the law
- Never attack without written permission from the target
- Alert any vulnerabilities found to the owner
 - Owner of IP with vulnerability
- Cyber Range is fair Game for attacks



Meet the Committee's

Recruitment and Retention Committee

- Mission Statement: To recruit members in UC.yber and help keep these members interested and engaged by staying in touch with them.
- Get the word out.
- Logo, tshirts, other ways to be recognized
- Survey
- Any other ideas contact me on slack in a private message.

Public Affairs Committee

- Mission Statement: To ensure that the public is informed about the organization's activities and about the priorities and policies of UC.yber;
- Social Media is the key to inform the public (Twitter, Facebook, and Instagram..)
- Lots of collaboration with the Outreach Committee

Public Affairs - Rules of Engagement (ROE)

- Talk to me about post ideas and give me links, the source, or etc.(through Slack or in-person)
- Explain and give reason on why you want the idea to be posted
- If you want to tell someone in person, tell everyone!
- This is more of the creative side of the organization. If anyone is creative and wants to help make flyers, logos, or anything of the sort..
 this is the committee you want to be on!

Public Affairs - Goals

- Tell people about our social media accounts and get followers
- Let as many people know about UC.yber; as you can (The more people who know about us, the more opportunities we'll have as an organization)
- End Goal: Get a following and have people know about us

Funding and Finance Committee

- Mission Statement:
 - To obtain and manage the funds in order to support the chapter.
 - o How?
 - Making connections with companies, and inviting them to be sponsors of our group.
 - Collaborate with the event committee and set up fundraising events.
- Who is involved?
 - Anyone interested in being apart a fundraising event is welcome.

Outreach Committee

- Mission Statement: To plan and organize events in support of the chapter.
- Develop leadership and planning skills within the members of the committee.
- Document outreach activities and preparation for them

Content and Information committee

- Mission statement: To educate the members of UC.yber;
- Weekly info sessions.
- Making a repository of the data we collect.
- Providing resources.

Wireshark Tutorial

What's the use?

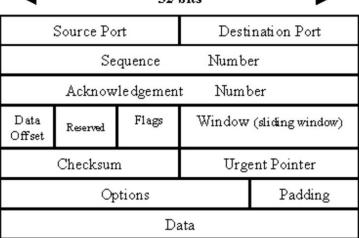
- Captures network traffic in the form of a PCAP file
- PCAP Packet Capture
- What is a packet?

A chunk of data enclosed in one or more wrappers that help to identify the chunk of data and route it to the correct destination

Organized by protocol

• What is a protocol?

- A *protocol* is a set of rules governing communications.
- o Ex. ICMP for emails



Wireshark Tutorial: Download

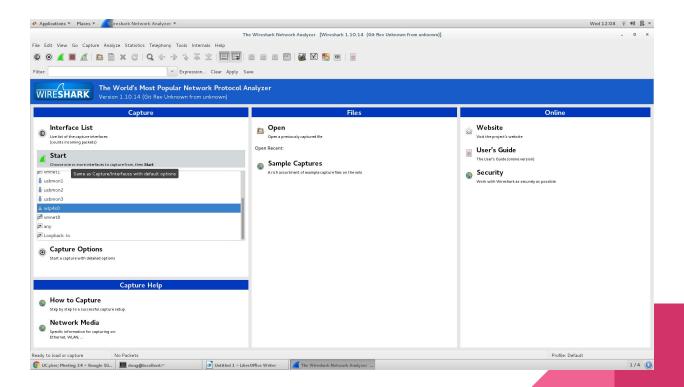
Go to https://www.wireshark.org and download correct version



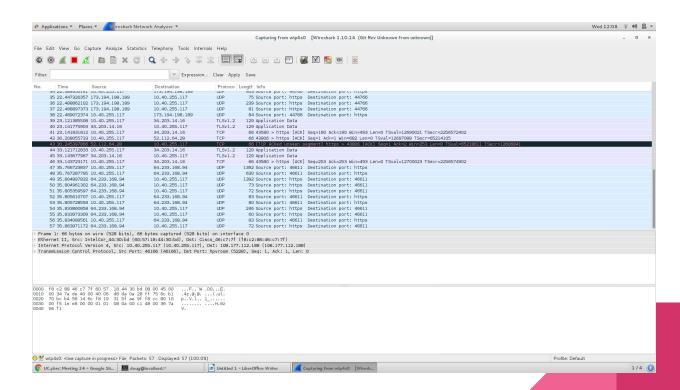
Wireshark Tutorial: Starting Wireshark

```
doug@localhost:~
File Edit View Search Terminal Help
[doug@dhcp-10-40-255-117 ~]$ sudo wireshark
[sudo] password for doug:
```

Wireshark: User Interface



Wireshark: Packet Sniffing



Wireshark: Targeting IPs

