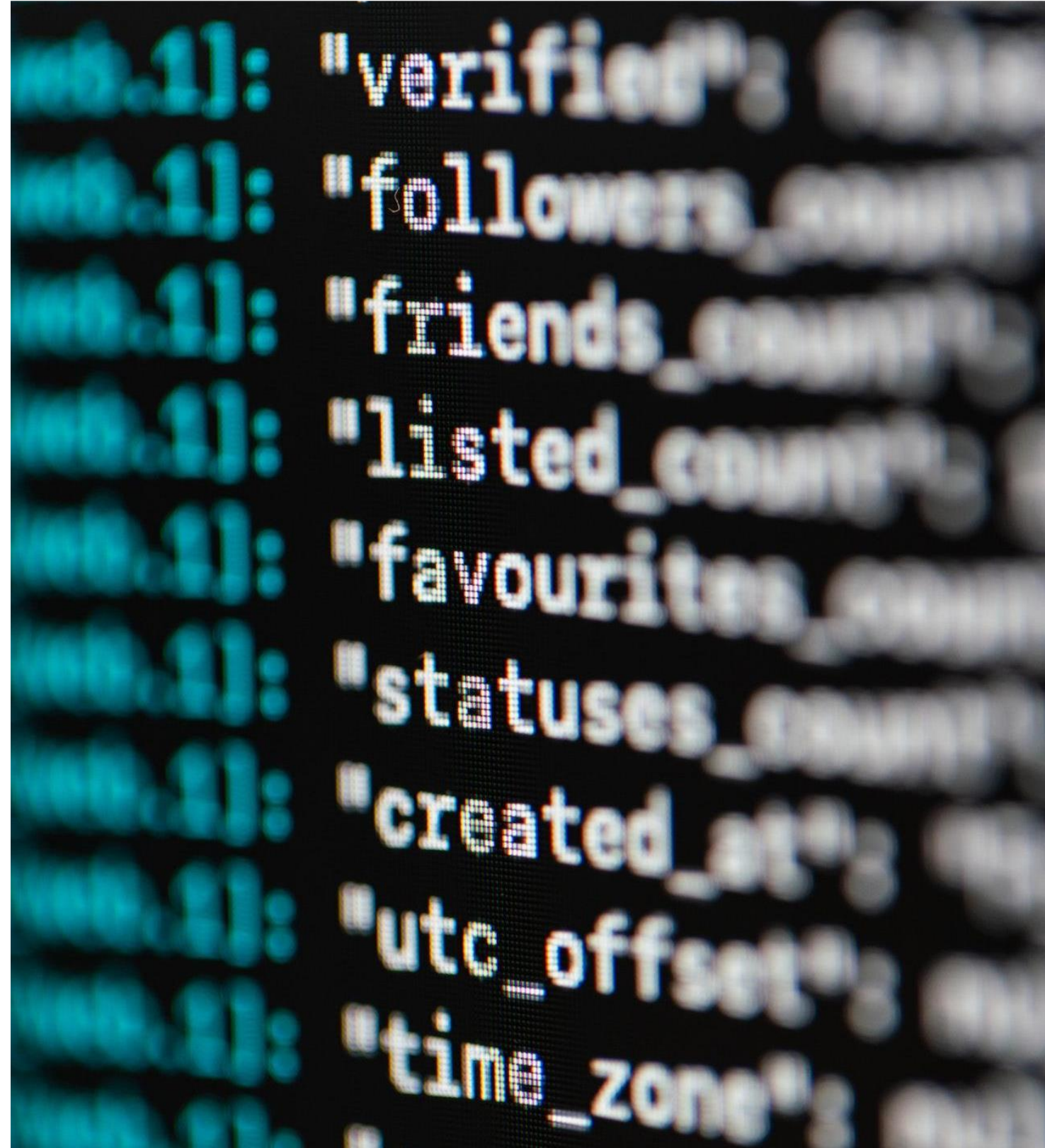


CYBERSECURITY TRACK:

Led Mentor: Lawrence Muchilwa
Peer Mentor: Ted Mwai



Tracks General Mission Statement:

Provide structured mentorship to upskill its mentees with competencies in various cybersecurity specialties in an effort to nurture employability, enhance student learning outcomes, and increase global competitiveness.

Tracks General Key Objectives:

By the end of the ICT track, a mentee will be able to:

1. Perform entry-level Incident response tasks.
2. Perform a technical vulnerability assessment and management.
3. Understand how to use threat intelligence in incident response.
4. Succeed in a technical interview for a SOC analyst role.

Track 101 Objectives: Expected Outcomes

- Understand mentee's skills based on their knowledge in system administration foundational skills.
- Understand mentee's skills based on their knowledge in networking foundational skills.

Track 101 Objectives: Expected Outcomes

- Understand mentees' skills based on their knowledge of virtualization foundational skills.
- Enhance ability to administer and manage windows and Linux-based operating systems
- Enhance the ability to fully utilize Virtualbox virtualization features.

Track 101 Foundational Skills:

- Proficiency in Windows system administration.
- Proficiency in Linux system administration.
- Proficiency in Networking.
- Proficiency in Virtualization.
- Documentation and report writing.

Track 101 Validation:

- Mentees will be expected to set up a personal lab using Virtualbox. The lab will consist of at least 2 virtual machines with varying networking profiles. The virtual machines will be running both Windows and Linux operating systems. The Linux VM will have the LAMP installed.
- Each mentee will be expected use more than 80% of Virtualbox functionality to present on their setup process at the end of this task.

Track 101 Success Indicators:

- A mentee can successfully provide an overview of the Linux operating system functionality.
- A mentee can successfully provide an overview of the Windows operating system functionality.
- A mentee can successfully provide an overview of the various Virtualbox virtualization features and functionality.
- A mentee can successfully create a multi VM, multi network home lab.

Track 101 Assessment:

- Pre-Track

<https://forms.gle/iaiiif8r2GH8faLvJ6>

- During Track
Labs

Track 101 Resources:

1. Youtube

- a. <https://www.youtube.com/watch?v=aaEoyVIowk8>
- b. https://www.youtube.com/watch?v=6q_rtbGUfaA
- c. <https://www.youtube.com/watch?v=J7e74QLVxCk>
- d. <https://www.youtube.com/watch?v=2Fkf6Kysh7I>
- e. <https://www.youtube.com/watch?v=uFRNc5ZKVkE>
- f. https://www.youtube.com/watch?v=_I0Z8_cPgu8

2. Websites

- a. <https://www.nakivo.com/blog/use-virtualbox-quick-overview/>
- b. <https://www.bmc.com/blogs/vulnerability-management/>

Questions?





Asante