



DeVry University Online Student Branch

Presents

“Wireshark: Network Security Fundamentals & Sniffing Linux”

By Dr. Miguel Buleje

Thursday, April 8th 2021, 5:00 pm CST

To Join:

Go to: <https://devry.webex.com/meet/mbuleje>

Wireshark: Network Security Fundamentals & Sniffing

In this session, we will learn the Network Security Fundamentals and Sniffing. We are going to do a demonstration for the Wireshark packet sniffer tool, and the implications in our space of network security. We will introduce the playfield and present the internet in terms of hosts, network apps, communication links, router and switches. We will learn about the network edge and the core. We will also address protocols, as they are directly link to out topic of security. Finally, we will address network security with a focus on packet sniffing to include a demonstration of the Wireshark packet-sniffing tool.

The following topics will be covered in the workshop:

- I. What is the Internet? View Under the Hood & Implications for Network Security
- II. Network Edge & Core
- III. Protocol layers
- IV. *Networks Under Attack: Security*
- V. *What is Network Security*
- VI. *Malware & DoS (Denial of Service) Attacks*
- VII. *Packet Sniffing*
- VIII. *WIRESHARK: Packet Sniffer demonstration*



Speaker's Bio:

Dr. Miguel Buleje holds a Ph.D. in Computer Information Sciences, and MBA from Nova Southeastern University. Dr. Buleje earned his Bachelor's in Computer Engineering from Florida International University, and he is currently enrolled in MS in Cyber Security and Quality Assurance from Florida Institute of Technology with a target graduation data for Dec. 2021.

Dr. Buleje joined DeVry as a full time professor back in 2019. Prior to becoming a full time Professor, Dr. Buleje spent 20 years working in industry for large and Fortune 500 corporations to include IBM, SAIC, L3Harris, and Accenture. Dr. Buleje performed in a variety of technical and leadership roles in the IT consulting space to include software development engineer, analyst, project, program, portfolio manager and Director. Dr. Buleje research contribution include active participation in symposiums for publications and presentations, revolves around Enterprise Business Systems, primarily ERPs, and Cyber Security topics.