Linux Boot Camp

UWF Florida Cybersecurity Training Program
Offered by the University of West Florida Center for Cybersecurity

Course Overview

Cyber Skills Exercise Date: April 29, 2024

Cyber Skills Exercise Times: 8 am – 4 pm CT with break from 11:30 am – 12:30 pm CT

(9 am – 5 pm ET with break from 12:30 – 1:30 pm ET)

Duration: 1 day

Estimated Time Commitment: 7 hours

Instructional Hours: 7 contact hours

Delivery Format: Synchronous online

Target Audience: IT or Cybersecurity practitioners

Required Prerequisites / Background: Working knowledge of IT/Cybersecurity

CEUs: 0.7, **CPEs:** 9

Course Instructor(s):

Instructor	Email
Dr. Guillermo Francia, III	gfranciaiii@uwf.edu

Course Description

The Linux operating system, a free version of the powerful and proprietary Unix system, has gained significant market share in web, database, and cloud services. It is imperative for IT or cybersecurity practitioners to, at least, gain an operational knowledge of this operating system. This course introduces the basic concepts of command line interfaces, editing tools, shell scripts, basic system administration, and essential networking to enable a practitioner to take full control of a computer running on a Linux operating system. The boot-camp style will provide the students with plenty of hands-on exercises to reinforce the learning of important system concepts.

The course covers the following topics: Linux file system, command line interface, editing, and shell scripting.

This course utilizes a combination of lecture, discussion, and hands-on exercises using a virtual Linux machine through a synchronous (live online instruction) modality via Zoom. No prerequisite required other than a working knowledge of computer systems.

Cybersecurity Workforce Framework Mapping

The course prepares for the following cybersecurity work roles as defined by the NICE Cybersecurity Workforce Framework.

Cybersecurity Work Roles and Categories:
- Technical Support Specialist (Operate and Maintain, OM-STS-001)
- System Administrator (Operate and Maintain, OM-ADM-001)