LINUX SYSTEM MANAGEMENT AND SECURITY

ABOUT ME

- Lecturer for the Computer Science Department at UCCS
- Director of Networks and Infrastructure
- Former Information Security Officer and HIPAA Security Officer
- My main job as Director of Networks and Infrastructure is to manage the teams and technology that runs over a 12,000 student university

ABOUT THIS COURSE

- This course approaches the practical side of Linux system management
- Since I have been working with Linux systems ever since Red Hat Enterprise Linux came out 17 years ago. I see the value both in the practical and theoretical side of systems management
- I am not a certified Linux professional, but the topics we cover in this course will cover practical management of linux systemsl
- No special skills required
- Anyone that is considering becoming a Linux system admin or work on Linux systems in the Enterprise already and want to understand a little more about the interworking's from a business perspective
- Perhaps some of the stories will intrigue you
- This course is also very heavily screen focused, so you can see what I'm doing while I'm talking about it.

COURSE - MODULES

- Module 1 will introduce practical Linux in the Enterprise
- Module 2 will examine configuration within Linux
- Module 3 will explore Users, Authentication, and Authorization
- Module 4 will dive securing Linux systems themselves

MODULES

- End of each module is an exam covering the topic we discussed
- Course project – hands on application of what you have learned.
- You must achieve at least an 80% passing grade for your graded assignments to pass the course
- There is no technical component, but I will show you how to set up your own lab should you want to get even more out of this course!

- A majority of all servers in the world run on a form of Linux
- Coming across Linux in the enterprise is inevitable
- Whether you are wanting a deeper understanding of how Linux works or want to understand how a real Linux environment is set up – this course is for you.
- See you in lesson 1