User Authentication, Access Control, and Operating Systems

Module Overview
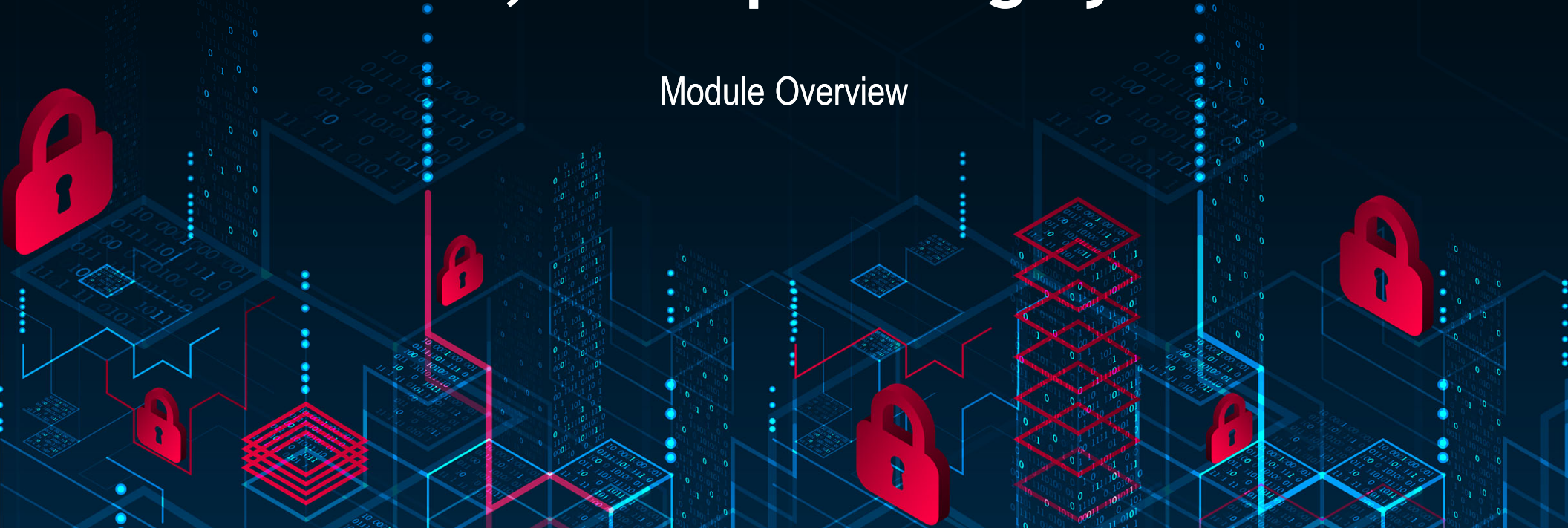
Module Objectives:

- User Authentication, Access Control, and Operating Systems

  - By the end of this module you will be able to:
    - ✓ Define user authentication, access control and operating system security
    - ✓ Understand how passwords are cracked and how to avoid it
    - ✓ Understand how token-based authentication is used
    - ✓ Identify different access control mechanisms
    - ✓ Understand how security mechanisms are implemented in operating systems
    - ✓ Apply installing packages and basic windows and Lunix/Unix commands

Introduction to Information Security

User Authentication	Access Control	Operating System
Storing passwords Cracking passwords Rainbow Tables and salting Token-based Authentication	Types of Access Control UNIX/LINUX Access Control	System security planning Operating system hardening Operating system patching Logging and backup