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- Show Name: CEHv12 (312-50)
- Topic Name: Intro to Ethical Hacking
- Episode Name: Basic Cybersecurity Concepts

Basic Cybersecurity Concepts

Objectives:

- Define the 5 elements of information security
 - Define and differentiate between Red and Blue Teams
 - Define Hacking
 - Describe the different types of Hackers
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- People watching may be new to cybersecurity. We need to cover foundational cybersecurity topics. Can you list the 5 main concepts/elements of cybersecurity for us?
 - List the 5 elements of cybersec
 - I've heard of the 'CIA Triad'. Is that what we're talking about here?
 - Define Confidentiality
 - Define Integrity
 - Define Availability
 - How do the other 2 elements fit into the picture?
 - Define Authenticity
 - Define Non-Repudiation
 - Red and Blue Teams
 - Red
 - Blue
 - What is 'hacking'? (v11 1-9-1)
 - General term
 - Term as it's applied to computer security
 - What is a hacker?
 - Threat actor
 - Hobbyist
 - What are the categories that hackers may fall under?
 - White Hat
 - Black Hat
 - Grey Hat
 - Suicide Hacker
 - Script Kiddies
 - Cyber Terrorist
 - State-Sponsored
 - Hacktivist
 - What is an Ethical Hacker and how are they different from malicious Hackers?
 - (v11 1-10-1)
 - This seems like a dangerous skill-set to teach people.
 - Necessary 'evil'
 - Do Ethical Hackers have any limitations or restrictions that malicious Hackers don't
 - Scope
 - Systems

- Times
- Do no harm
- Ethical Hacker skillset
 - Technical skills
 - Admin level skills with Operating Systems
 - Admin level networking skills
 - Familiarity with basic security concepts and practices
 - Programming / Scripting
 - Cloud / Containers
 - Mobile devices and IoT
 - ICS / SCADA / OT
 - Non-Technical skills
 - Lifelong learner
 - Tenacious
 - Out-of-the-box thinking
 - Soft Skills (oral/written)
 - Legal knowledge