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- Show Name: CEHV11 (312-50)
- Topic Name: Intro to Ethical Hacking
- Episode Name: Risk

Risk

Objectives:

- Define Risk as it pertains to Cybersecurity
- Calculate Risk based off of Impact or Asset Value
- Calculate Risk Levels
- Visualize Risk with a Risk Matrix

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- Seems like a simple question with an obvious answer, but what is risk?
 - Probability of harm/negative impact due to attack or breach
 - Formulating Risk
 - Threats x Vulnerabilities x Impact = RISK
 - Threat x Vulnerability x Asset Value = RISK
 - Break it down
 - Probability a negative event will occur
 - Outcome of a negative event
 - Risk seems bad. But it seems that not all risks are created equal. Can we qualify Risk in some way?
 - Risk Levels
 - Impact x Probability = Risk Level
 - (EC-Council: Consequence x Likelihood)
 - Risk Levels
 - Low
 - There is a threat, but it's unlikely to occur
 - If threat occurs, Impact is negligible
 - Medium
 - Threat is likely, but not imminent
 - You have some time, but it's about to hit
 - Mitigate asap to reduce risk/impact
 - High/Extreme/Critical
 - You need to take action IMMEDIATELY reduce impact/risk
 - Threat is certain to occur with high impact
 - Is there a way to codify the risk assessment?
 - Risk Matrix
 - RAG chart