Practical Activities on Network Cyberattacks and Protection Strategies

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These slides outline the essential offensive tools that will be used in this course.

These tools are intended for use within this course to demonstrate how different tools can be employed for various cyberattack activities and address existing security weaknesses to avoid or mitigate related cyber risks. Therefore, all these practical activities are solely intended for educational purposes ONLY and not for any other malicious or unauthorized activities.

Setting Up Your Cybersecurity Virtual Lab

1. To save time during our session, it is **recommended** to pre-install the necessary tools.

2. **Oracle VM VirtualBox** will be used in our session for managing virtual machines.

3. Set up virtual machines for the **victim**, **admin**, and **attacker**.

4. Install the **GNS3 GUI** and the **GNS3 Virtual Machine**.

5. Integrate the virtual machines (**victim**, **admin**, and **attacker**) with **GNS3**.