# Network Security Laboratory – Lecture 6

PHISHING, SSL STRIP, VPN

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# SSL Strip

- Allow the attacker to force victim at using HTTP, instaed of HTTPS

- Removing HTTPS an attacker can reduce the security of the connection given by SSL

- With HTTP all data is sent as plaintext, this allow the attacker to stole victim's data

- It can be performed when an attacker is in a MITM positions

# Virtual Private Network (VPN)

- VPN extends the concept of private network across internet

- It can be established using an encrypted layered tunneling protocol

- Data inside the tunnel will be encrypted

- The tunnel is established in a point2point connection between an host and a VPN Server

- Outside the tunnel the data is transferred normally

# Exercises

- Go on course website and, using the guides avaliable, try to replicate the attacks
  - Phishing
  - SSL Strip

- On course website there is also a guide for creataing a VPN connection using SSH
  - Try to create a tunnel between two hosts in our lab

# Questions?

The lesson is over.

Thank you!