Network Security: Defending Against Airport Hackers

For: Virginia Cybersecurity Education Conference
By :   Thomas "Tweeks" Weeks
Date: 2020-07-28
Slides: vacr.io/airport-hackers
Video: https://youtu.be/K14PMaUG93E (previous)

Disclaimer & Workshop Notes

- ## Workshop Demo.. Watch Now, Login and Do Later
  These Slides - vacr.io/airport-hackers ← write this down!

- ## Lab Handout* & Teacher Resources for Offering Lab:
  Ethics - "White Hat Agreement Form" - vacr.io/whitehat-agreement
  Lab Handout - vacr.io/airport-hackers-pdf (print or use soft copy)
  Teacher Script - vacr.io/airport-hackers-script

- ## After Worksop, login & play with this environment for one week
  Workshop Registration Link - login.virginiacyberrange.org/registration
  Workshop Registration Code - **<will share at end of class>**
  Login using preferred OAuth provider (Google, Facebook, or MS-Azure logins)

* This lab material is in the process of being approved and published by the VA Cyber Range Courseware staff.

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Network Security: Defending Against Airport Hackers

What We're Covering:

- Ports, IP Addresses, and Network Services

- Basics of Firewalls

- How Hackers Scan & Attack You (on public WiFi)

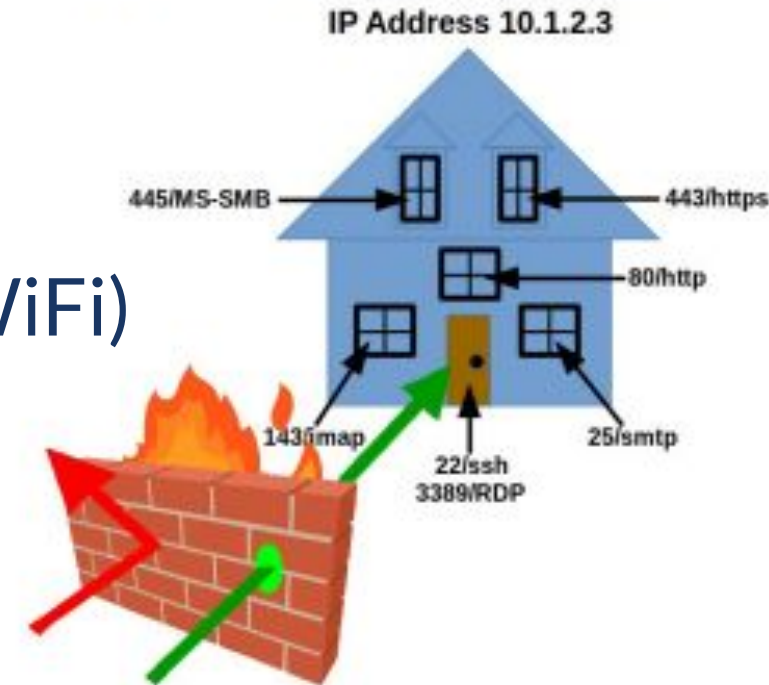- How To Block Hacker Scans/Attacks (using your laptop's built in firewall)

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Lab Handout - vacr.io/airport-hackers-pdf

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Ports are like the doors and windows of an IP address

IP Address 10.1.2.3

445/MS-SMB
443/https
80/http
143/imap
25/smtp
22/ssh
3389/RDP

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Network Security: Defending Against Airport Hackers

Let's Jump In! (just follow along)*

NOTE: Just follow along for now. You can "play with" and work through the lab handout later. (We'll keep the lab VMs live for one week)
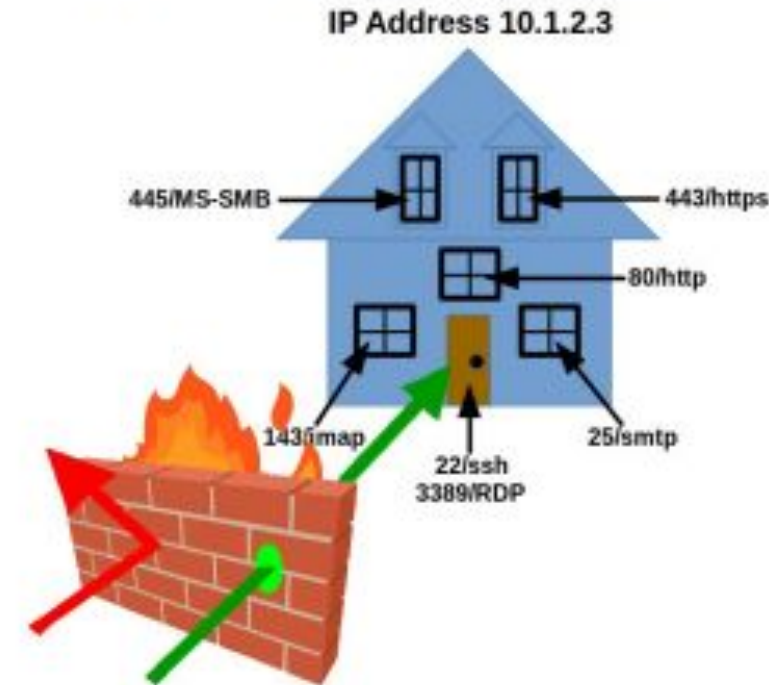
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