

Why Teach Hacking?

- When used **ethically and responsibly** hacking is an important skill set
- Everything we teach is used by real cybersecurity professionals every day
- The best way to stop evil hackers is to find the vulnerabilities first
- Hacking is super fun


What Is A Hacker?



Case Study - Admin Login

- Things a hacker might try:
 - "admin / password" or "admin / admin"
 - Weird Characters
(` ; _ - = * & ^ ! # \$ % [{ : ~ \] ^ _ `)
 - Usernames without passwords
 - Submitting passwords from a data breach
 - Forgot password 🏠

USGA Admin Portal Log In



Email Address *

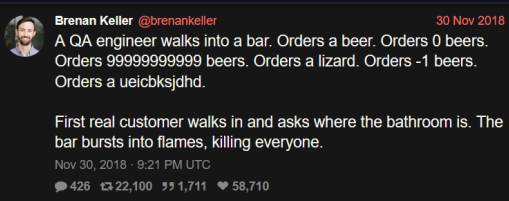
Password *

☐ Remember Me

[Forgot your password?](#)

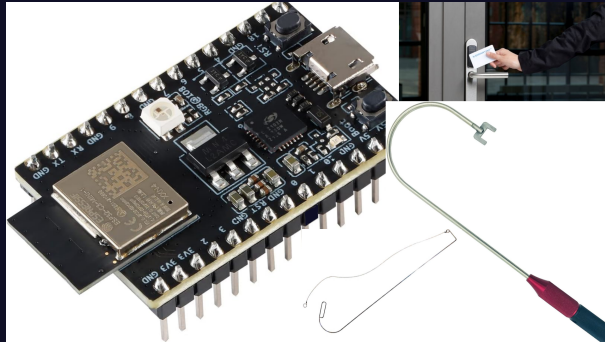
Case Study - Shopping Application

- What a hacker might try on a shopping website:
 - Intercept web request and submit a negative price
 - Edit a coupon code to be 100% off
 - Submit a refund for something you didn't buy
 - Try to buy 10000000000 of an item. Try to buy -1 of an item
 - Mess with other people's carts
 - Brute force coupon codes



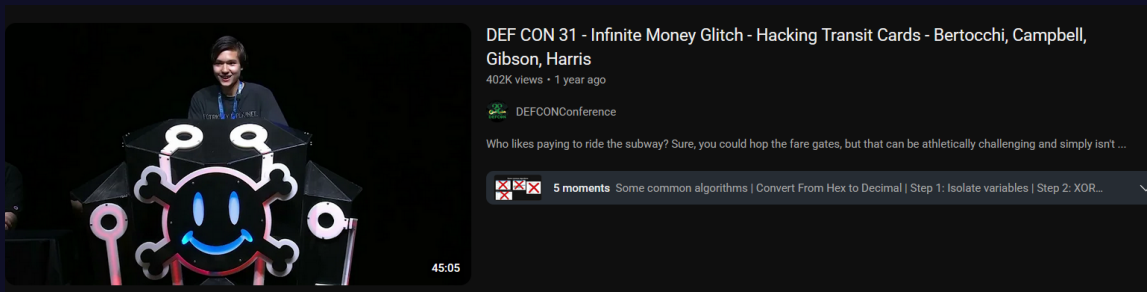
Case Study - Office Building

- What if we want something higher tech?



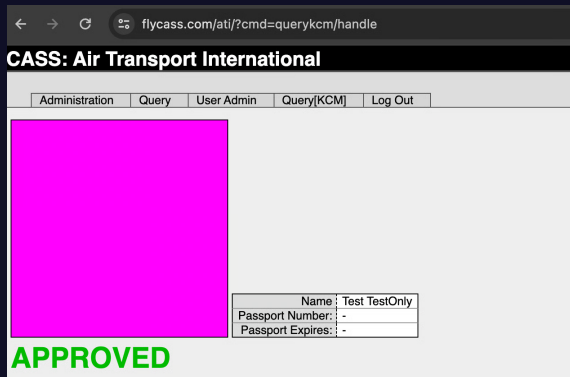
Case Study - Transit

- <https://medium.com/@bobbyrsec/operation-charlie-hacking-the-mbta-charliecard-from-2008-to-present-24ea9f0aaa38>



Case Study - Airport

- `https://ian.sh/tsa`



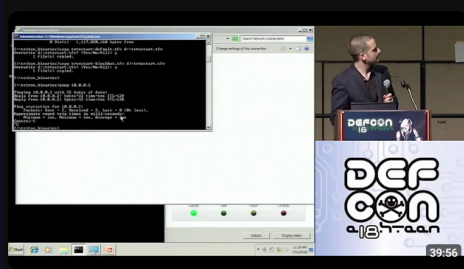
Other Cool Hacks

Hacking Millions of Modems (and Investigating Who Hacked My Modem)

Mon Jun 03 2024



Other Cool Hacks



DEF CON 18 - Barnaby Jack - Jackpotting Automated Teller Machines Redux

92K views • 11 years ago

DEFCONConference

Barnaby Jack - Jackpotting Automated Teller Machines Redux The presentation "Jackpotting Automated Teller Machines" was ...



21 chapters Intro | Goal | Current Attacks | Standalone ATMs | Retail ATMs | Security hurdles | Getting a show |...

Other Cool Hacks



The video player shows a Minecraft scene with a large, pixelated character in the foreground. The character has a green body and a white mask with a black 'X' for eyes. It is holding a sword. In the background, there is a large sign that reads 'MINECRAFT HACKED' in a stylized, pixelated font. The sign is made of wooden planks and has a red and black color scheme. The video title is 'The State of log4shell in Minecraft Months Later' and the channel is 'LiveOverflow'. The video has 67K views and was uploaded 3 years ago. The description mentions 'Laws are complicated and internet wide scanning is a bit of a grey area. So I wonder, what is ethical? Did I cross a line? What do ...'. The video has 7 chapters: Intro, Let's Play, Building Spider XP Farm, Ethical Internet Scanning?, and Minecraft Hosting Business. The video duration is 27:05.

MINECRAFT HACKED

The State of log4shell in Minecraft Months Later

67K views · 3 years ago

LiveOverflow

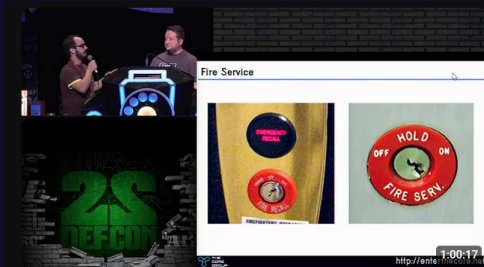
Laws are complicated and internet wide scanning is a bit of a grey area. So I wonder, what is ethical? Did I cross a line? What do ...

CC

7 chapters Intro | Let's Play | Building Spider XP Farm | Ethical Internet Scanning? | Minecraft Hosting Business |...

27:05

Other Cool Hacks



DEF CON 22 - Deviant Ollam & Howard Payne - Elevator Hacking - From the Pit to the Penthouse

828K views · 10 years ago



DEFCONConference

Elevator Hacking - From the Pit to the Penthouse Deviant Ollam The CORE Group Howard Payne The CORE Group Throughout ...

CC

What Do You Want to Hack?

