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- Show Name: CEHv12 (312-50)
- Topic Name: Mobile Platform, IoT, and OT Hacking - IoT and OT Hacking
- Episode Name: IoT Threats and Vulnerabilities

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## IoT Threats and Vulnerabilities

### Objectives:

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- OWASP Top 10 IoT Threats (2018)
  - <https://owasp.org/www-project-internet-of-things/>
- IoT Attack Surfaces
  - Ecosystem
  - Admin Portals and Web Interfaces
  - Physical Interfaces
  - Firmware
  - Network Traffic/Communication
  - Vendor and/or 3rd-Party APIs
  - Local Storage
  - Mobile App
- IoT Vulnerabilities
  - Many Oldies-but-goodies
    - Weak/No Encryption
    - Weak/No Passwords
    - No MFA/2FA
    - No lockout policy/capability
    - DoS
    - Theft
    - Lack of updates/patches/support
    - Physical console access
    - Insecure 3rd-Party components
    - Debug Ports
      - JTAG(Joint Test Action Group)
      - UART(Universal Access Receive Transmit)