



Copyright © 2018 Knoxen, LLC. All Rights Reserved.



- Mallory can snoop\* iPad traffic through legitimate use
- Manipulate API for fun and profit



• *Mallopy can control the stoplight independently of the iPad*

- MitM can snoop communications
  - Plaintext userid & password
  - Capture application data
  - Alter traffic

HTTPS is secure







# HTTPS Issues

- Mallory can snoop\* iPad traffic through legitimate use
  - Manipulate API for fun and profit
- Mallory can *control* the stoplight independently of the iPad
- MitM can snoop communications
  - Plaintext userid & password
  - Capture application data
  - Alter traffic

\* Even if the iPad app uses public key pinning

# Diffie-Hellman