RAPID7

Voice Control Technology

Safety, Security, Privacy and Mitigation

Deral Heiland
IoT Research Lead

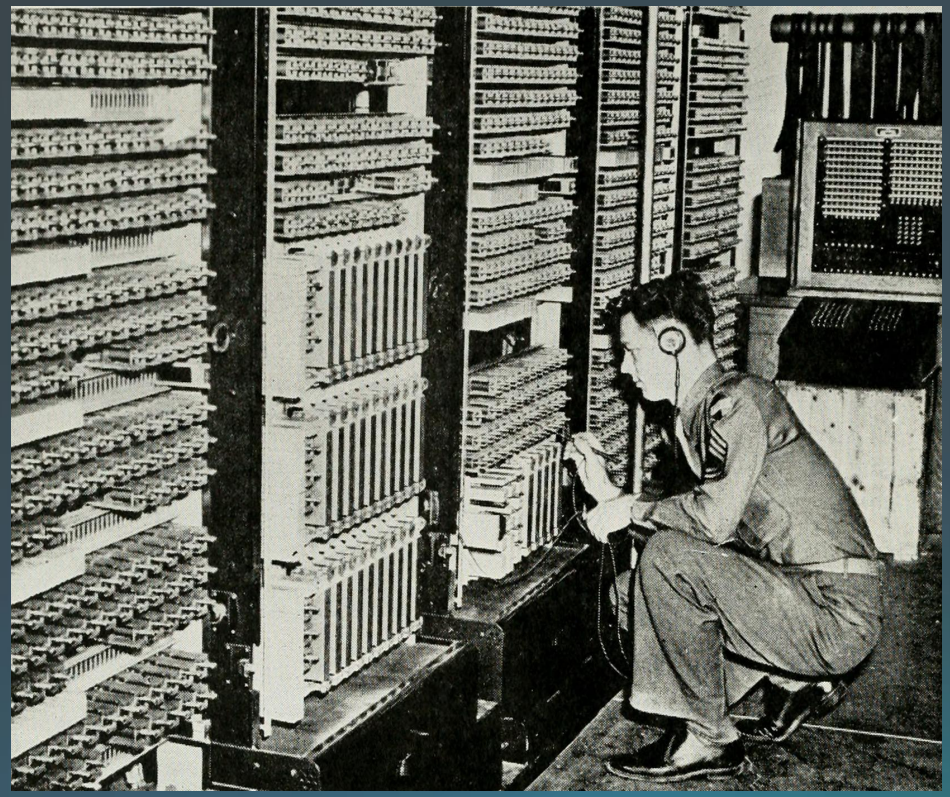
Speaker

Deral Heiland

IoT Research Lead

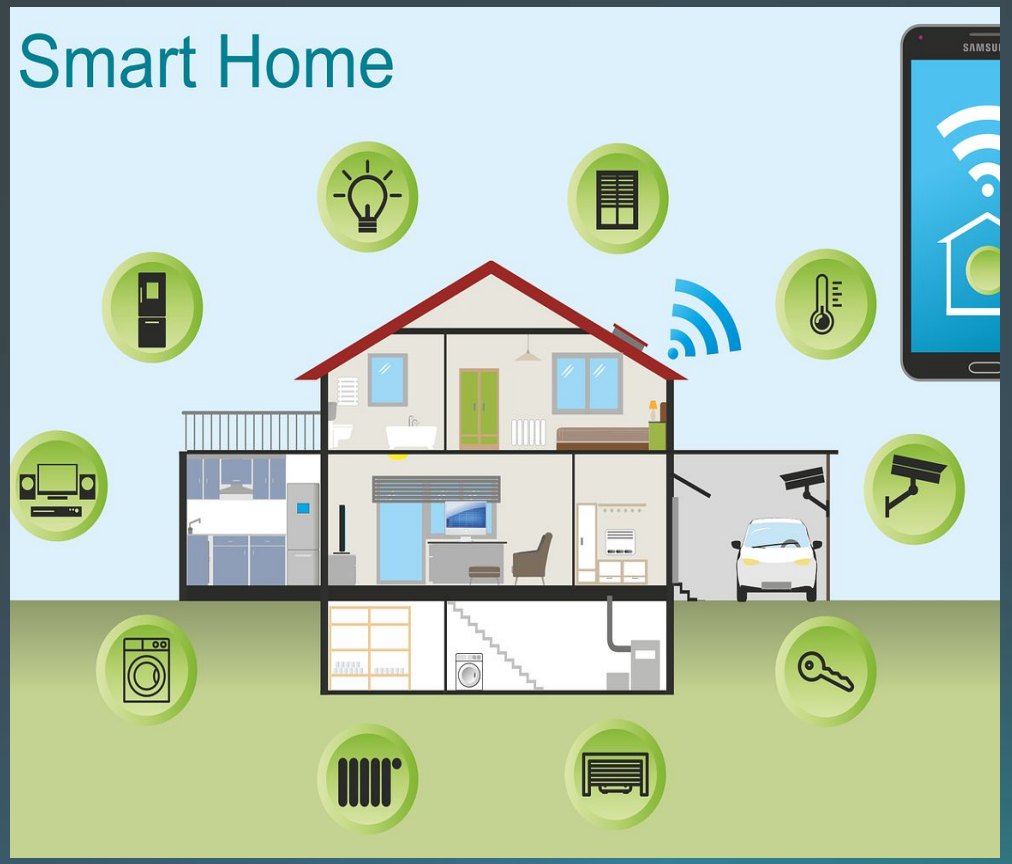
Growth of Voice Control

- 1952, Bell Laboratories
  - ‘Audrey’
- 60+ Years Later
  - Apple Siri
  - Microsoft Cortana
  - Amazon Alexa
  - Google's Assistant



Physical Safety Concerns

- Enabled
  - Garage door
  - Stoves
  - Microwaves
  - Pressure cookers
  - Security System
- Hazards
- Security



Privacy Concerns

- Who is listening
- Where is my data
- People failures
- Regulations

Future Attack Vectors

- What
- Where
- How
- Unknowns?

Mitigation Discussion

- How can we properly “secure” voice technology?
  - Vendor
  - Consumer
- How do we reduce unnecessary exposure?
  - Policy
  - Processes
  - Understanding

Thank you!

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