



# Building an Effective Human Firewall

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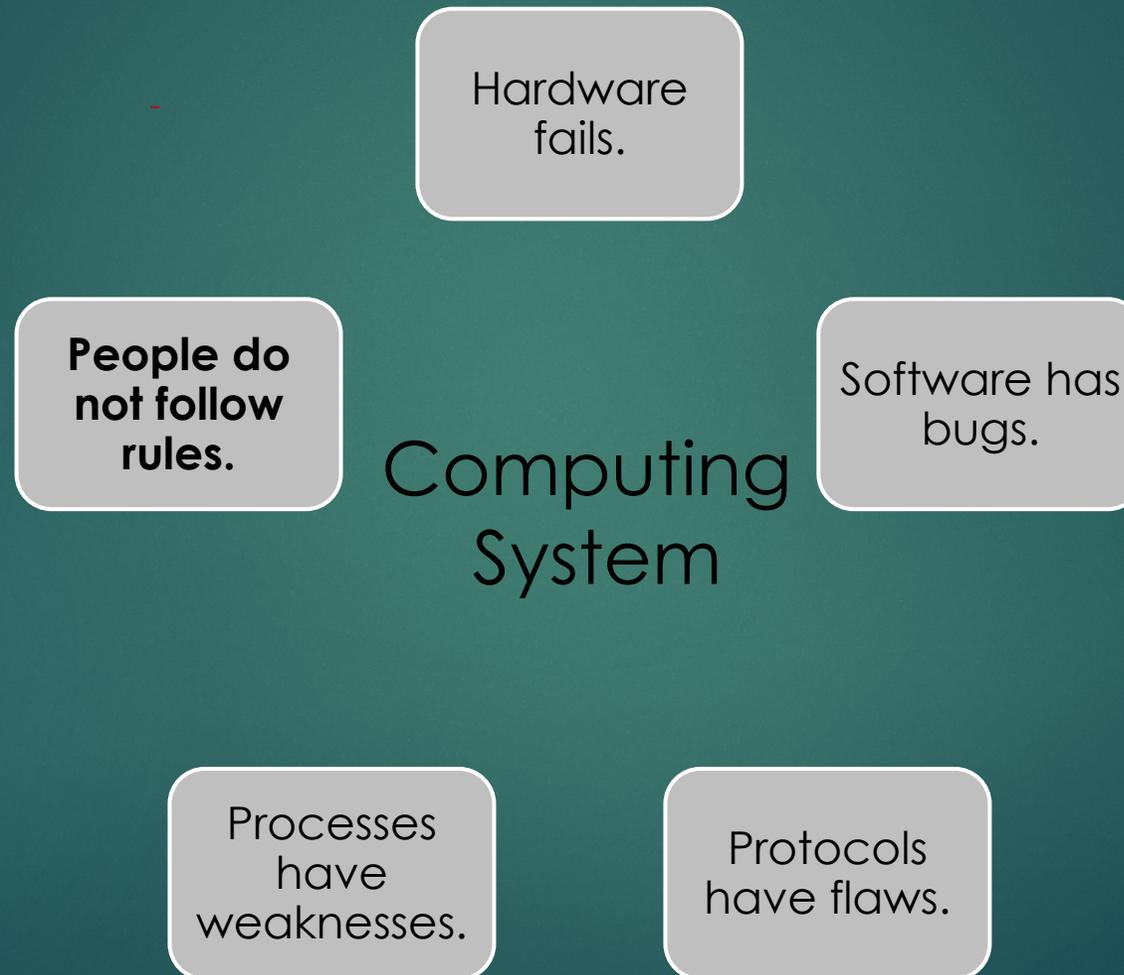
# Outline

- ▶ State of Cybersecurity
- ▶ End User Challenges
- ▶ Security Culture
- ▶ Summary

# State of Cybersecurity

- ▶ Gartner expects IT security spending to increase from \$90 billion in 2017 to \$113 billion by 2020
- ▶ Data breaches are on the rise
- ▶ Amount of data stolen
- ▶ Length of time to detect security breaches
- ▶ Impact on organizations

# Security Challenges



# What Can I do as an end user?

## Outside of my control

- Technical failure
- Natural disasters
- Organizational culture

## Under my control

- Password
- Open attachments
- Browse infected web sites
- Disclose unauthorized information

# Security Culture

- ▶ Security is a process not a destination.



# Security Assessment

- ▶ Physical
- ▶ Technical
- ▶ Social Engineering
  - ▶ Result may require additional training.
  - ▶ Repeated failures may require
    - additional training
    - Awareness training effectiveness

## SUMMARY

Technology alone cannot protect data assets.

Technology can always be exploited.

People can be the best control to mitigate risks to data assets.

Having a culture where security plays an essential role matters.