# RSA®Conference2018

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# HYPE OR MYTH: SMART HOME SECURITY

**Tony Anscombe**

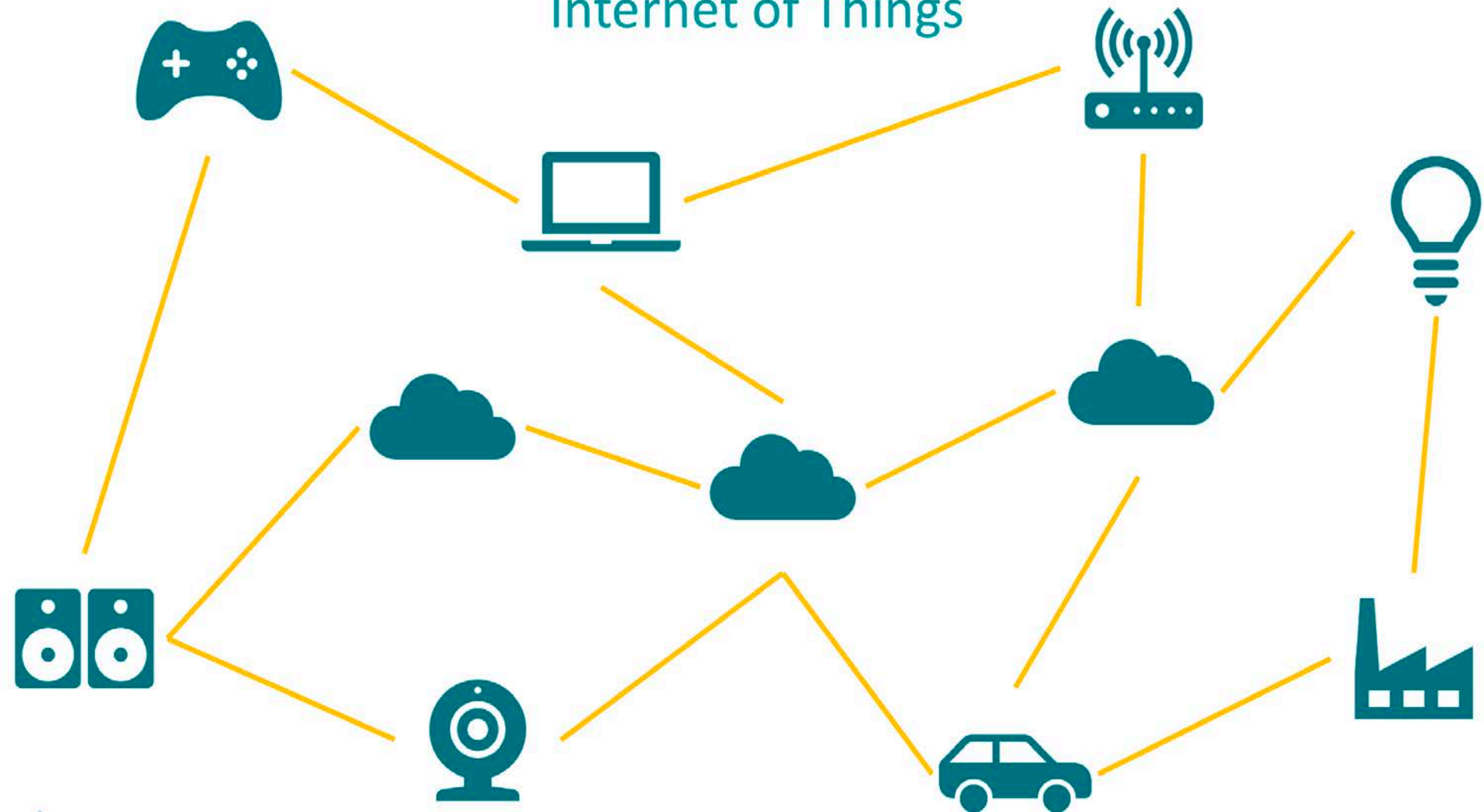Global Security Evangelist
ESET
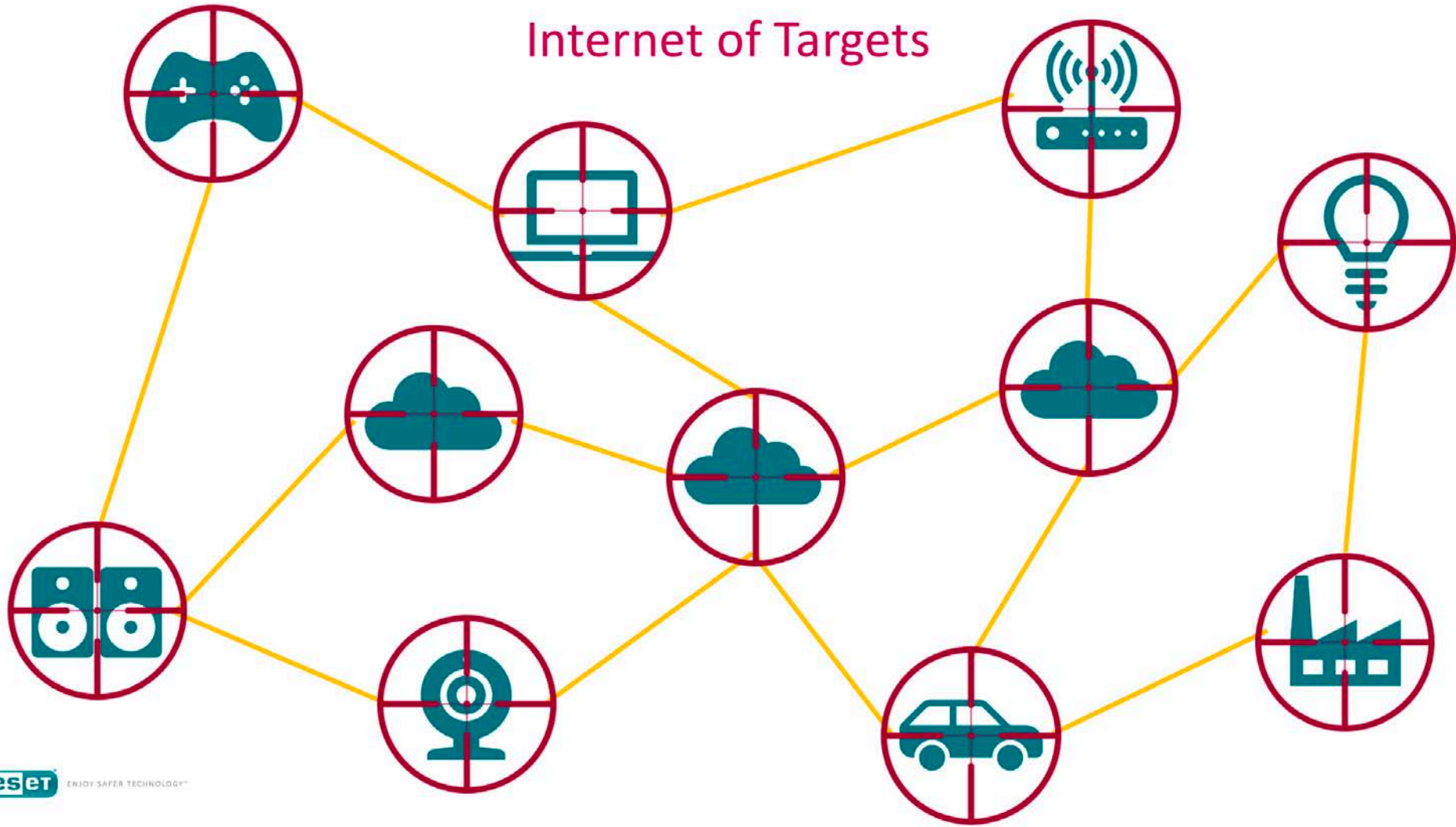tony.anscombe@eset.com
@tonyatESET

Internet of Things

Internet of Targets

# Our "smart home" included…

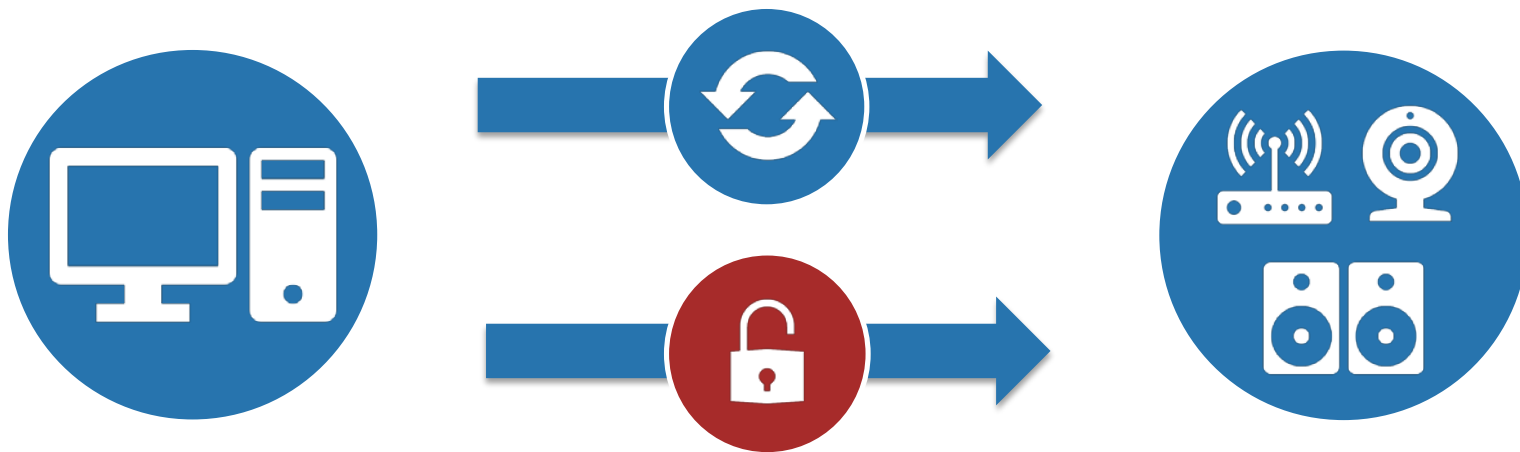Home assistants and hubs

Motion Sensors

Smart Plugs

Smart Cameras

Weather Stations

Wireless Speakers
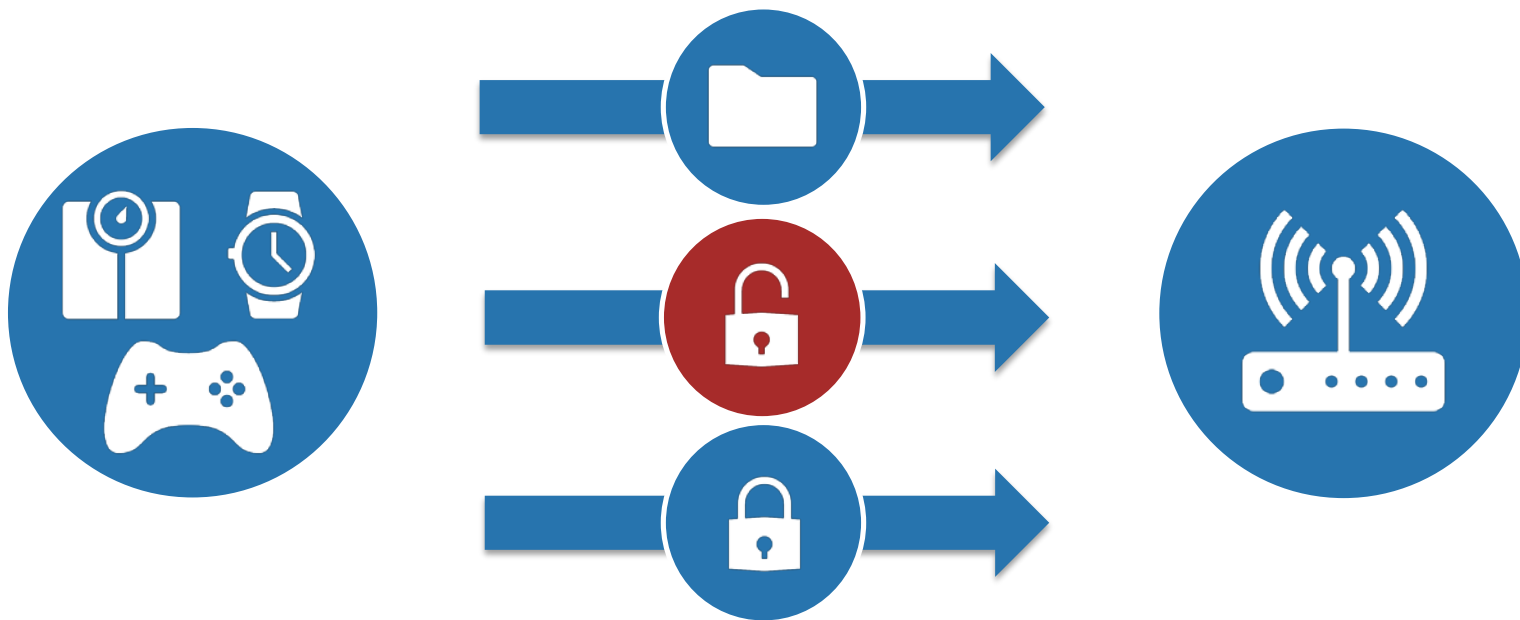
Internet Radios

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# Encrypted firmware updates

# Encryption of transferred data

#RSAC

**Insec@re Passwords**

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# Privacy concerns

Weight  Passwords  Birthday  Health

Behavior  Social Security  Schedule

Documents  Photos/Videos
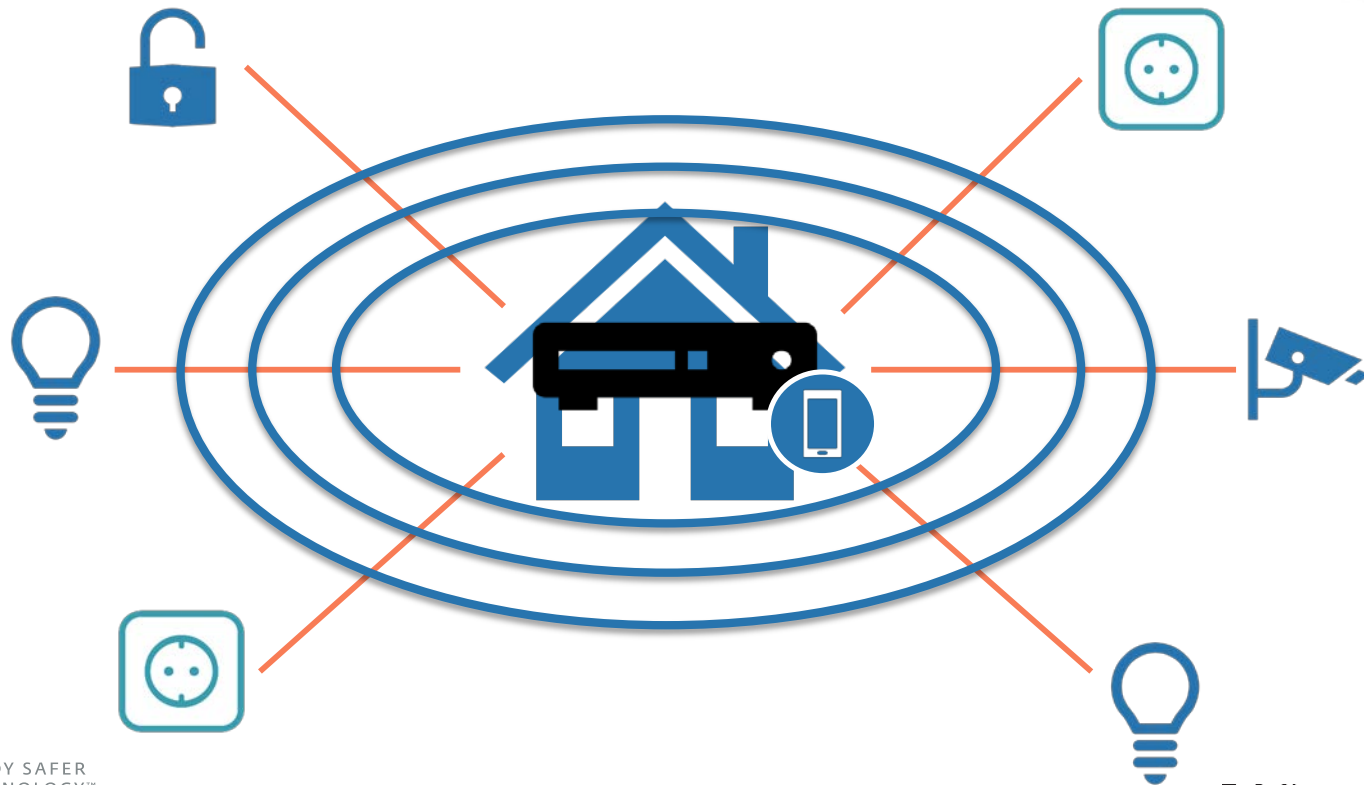
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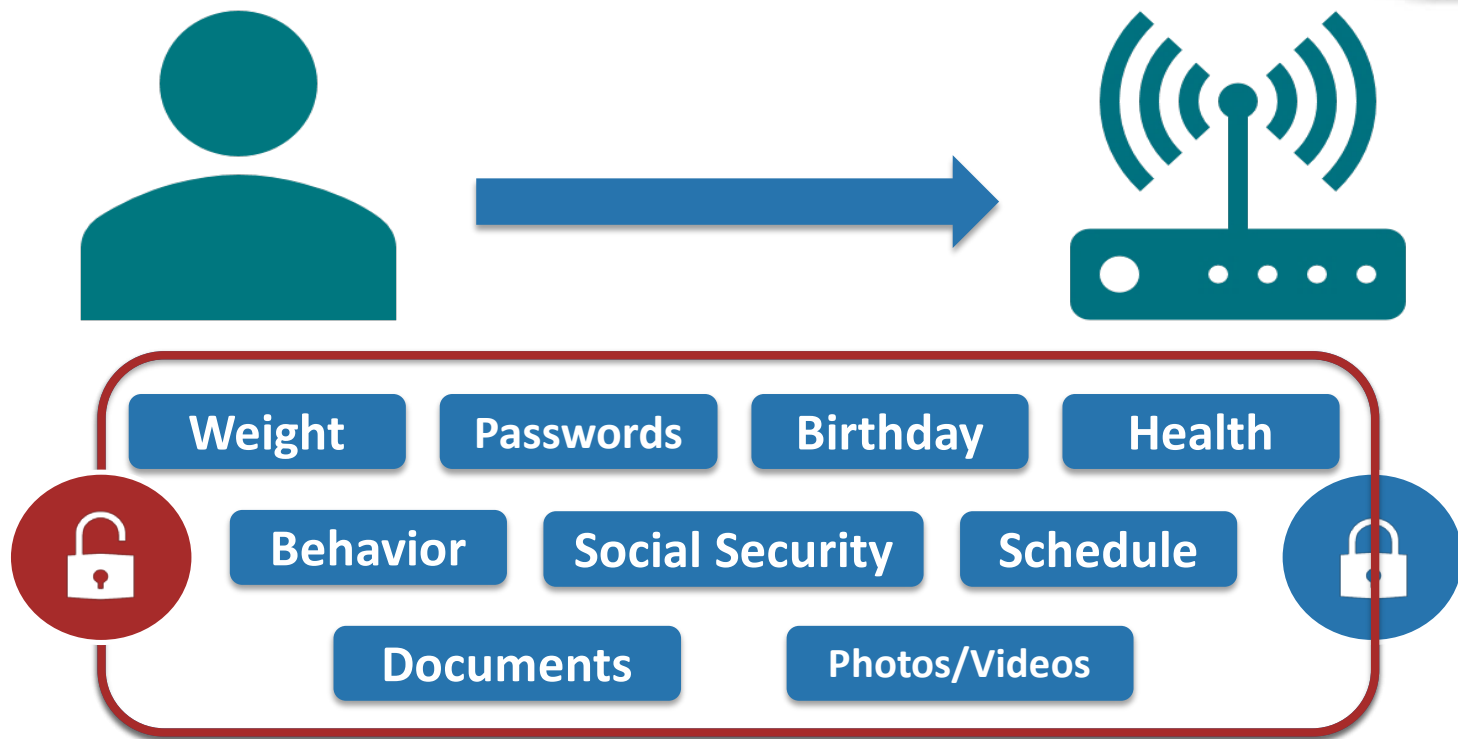
The vulnerable device

# Hype or Myth?

Unencrypted updates of firmware

Weak encryption of data transfers

Communication with server in plaintext

Unauthenticated remote code execution (REC)

Insecure login and unprotected passwords

Unauthorized sharing of data in LAN

Privacy concerns

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# Conclusion

Research vulnerabilities and concerns

Can the device be updated

Read the privacy policy

Consider carefully what you are willing to share

Be cautious when sharing on social networks

Voice controlled intelligent personal assistants may know too much

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