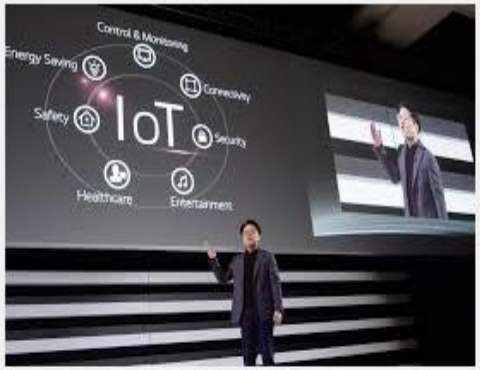
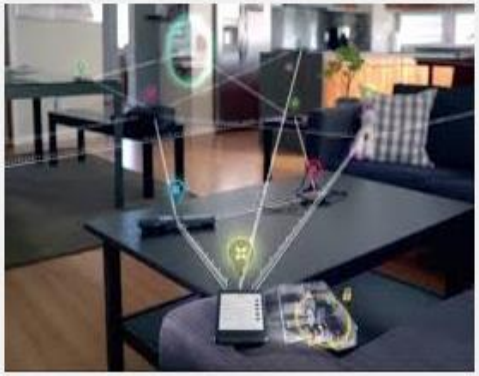
Internet of Things and the Unique Identifier System

Fahd Batayneh | Regional Cybersecurity Summit | 31 OCT 2016

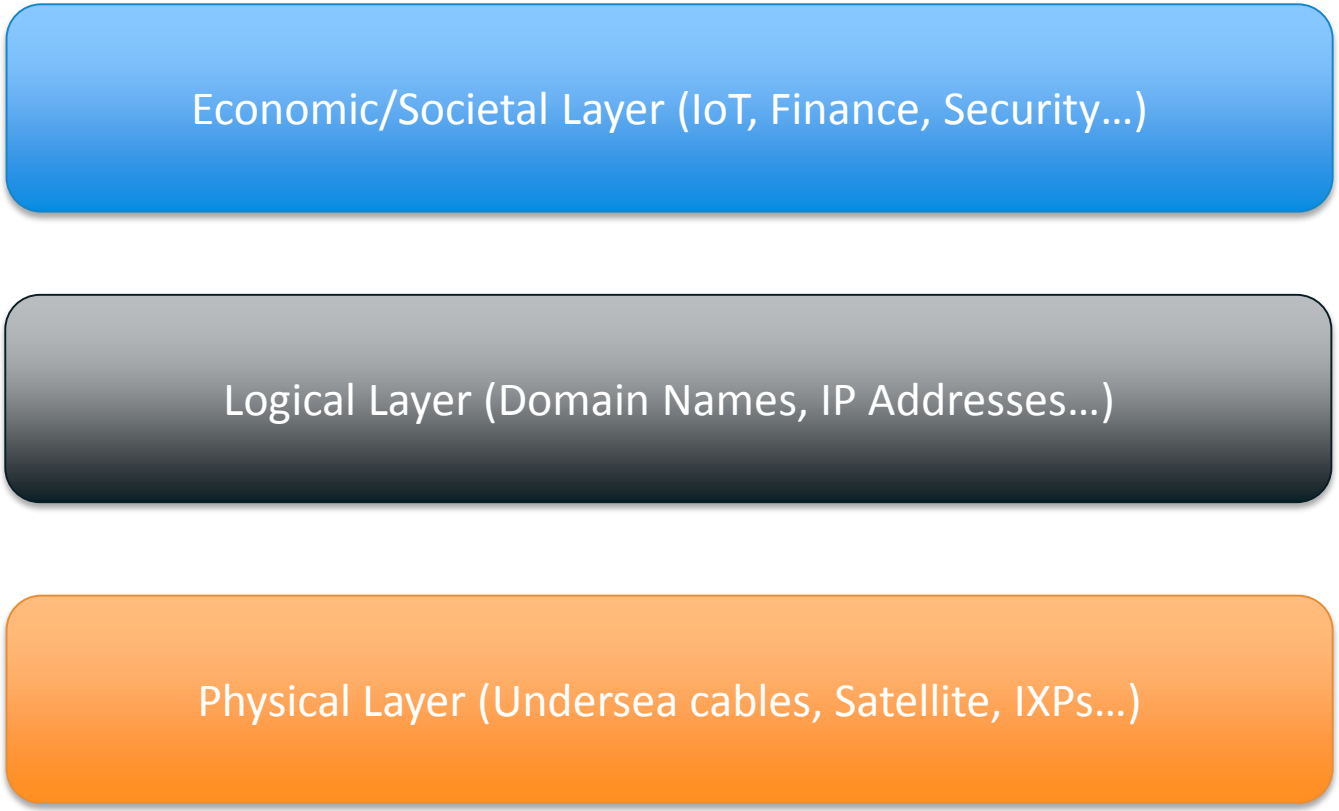
What are we Talking About?

And What's the Hype About?



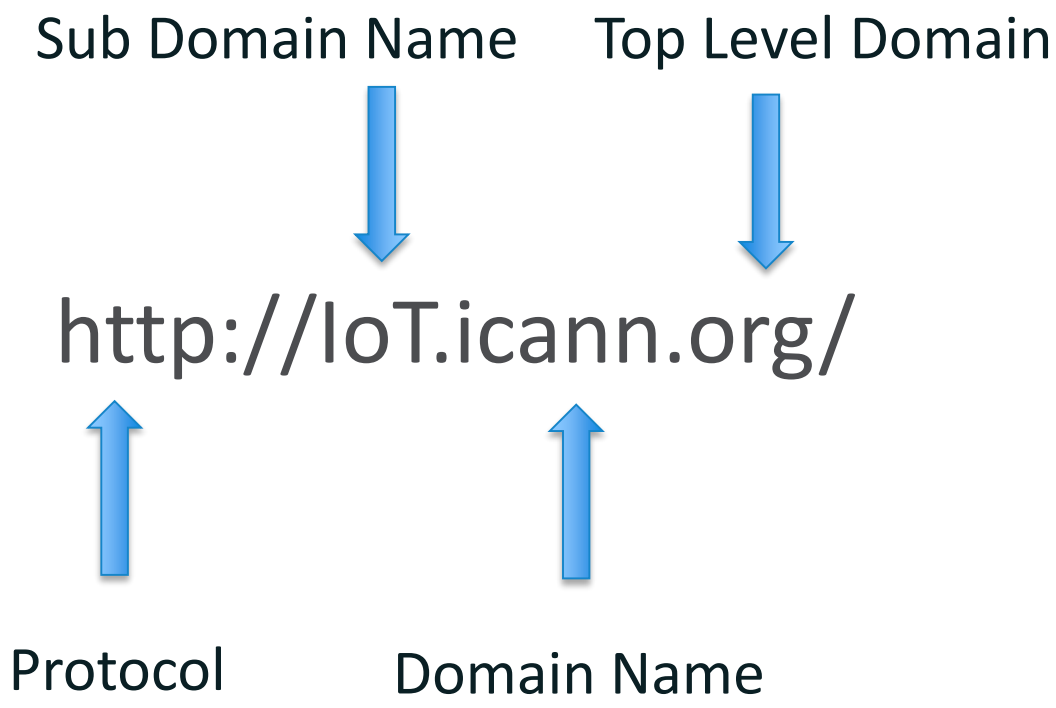


Simple View of IoT Dependencies



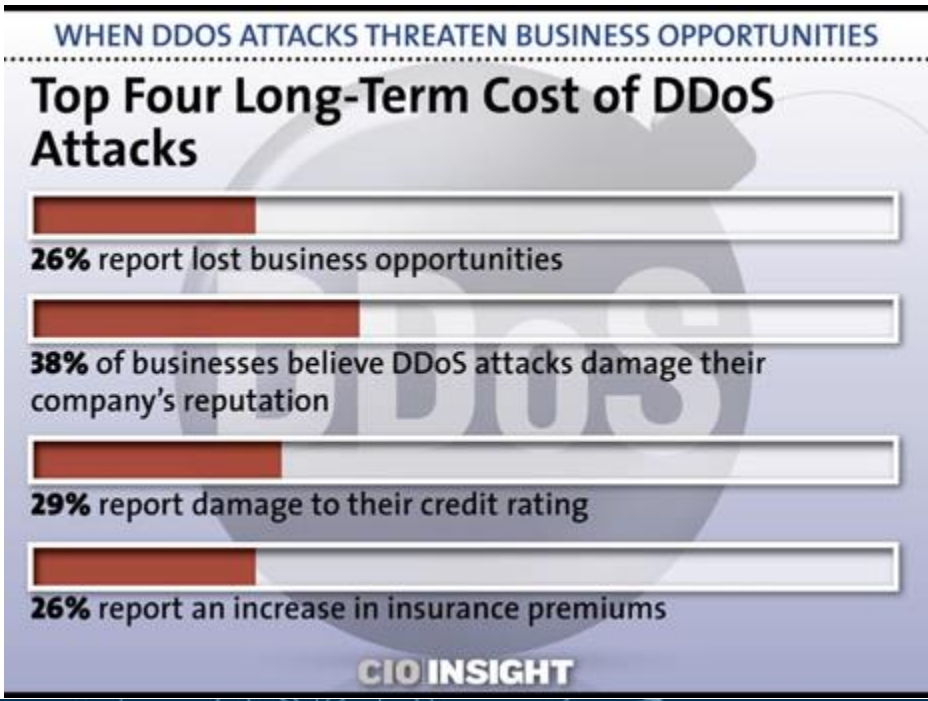
Domain Names

- Remembering names is always easier than remembering number



Security Online

- Cybersecurity is a key term today
- Billions of USD is lost yearly due to cybersecurity attacks



Security and the DNS

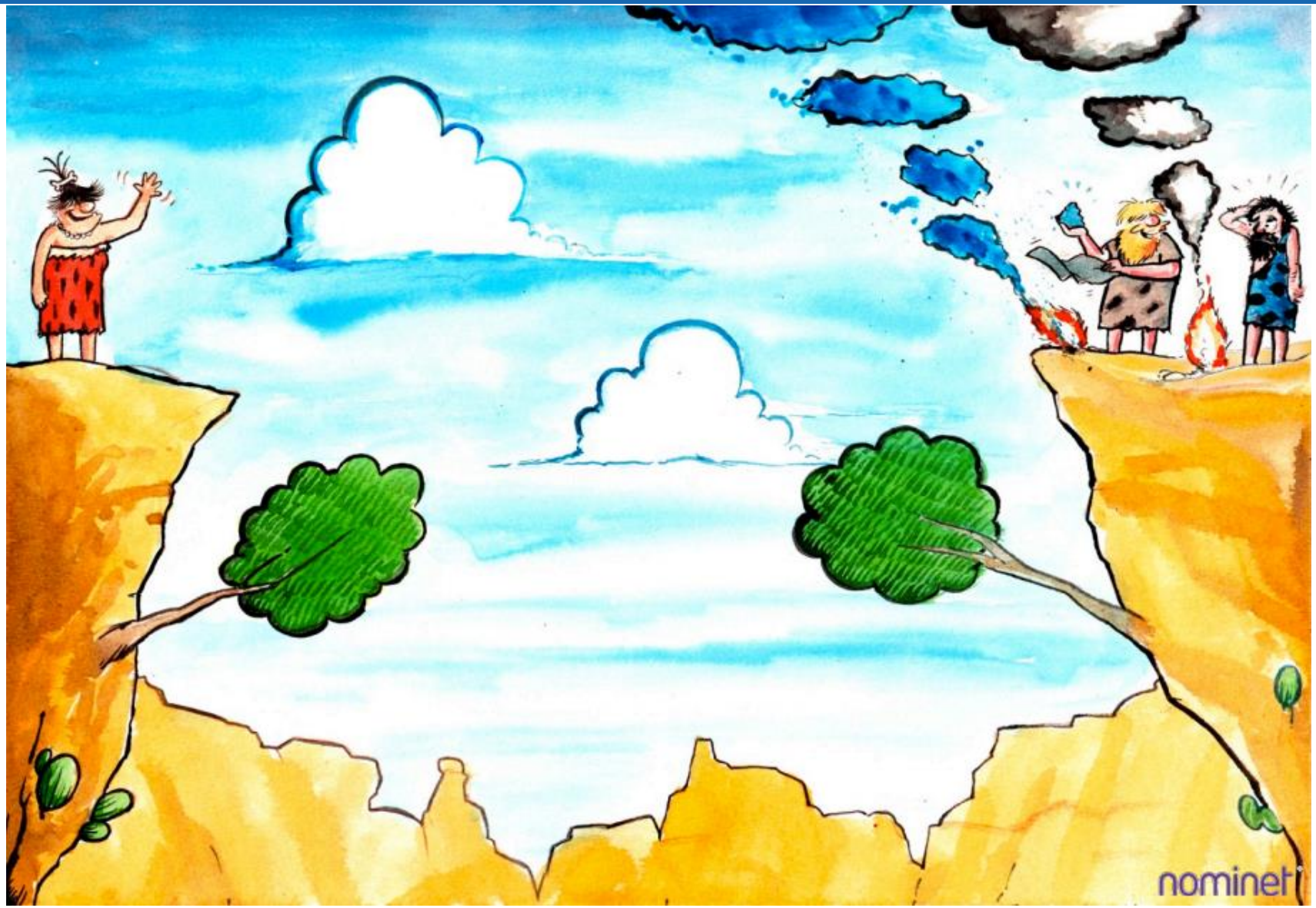
- Is the DNS secure?
  - DNS Spoofing - Diverts Internet traffic away from legitimate servers and towards fake ones
  - Man in the Middle – Someone stands in-between you and the entity executing your transaction
- Are there solutions?

DNSSEC

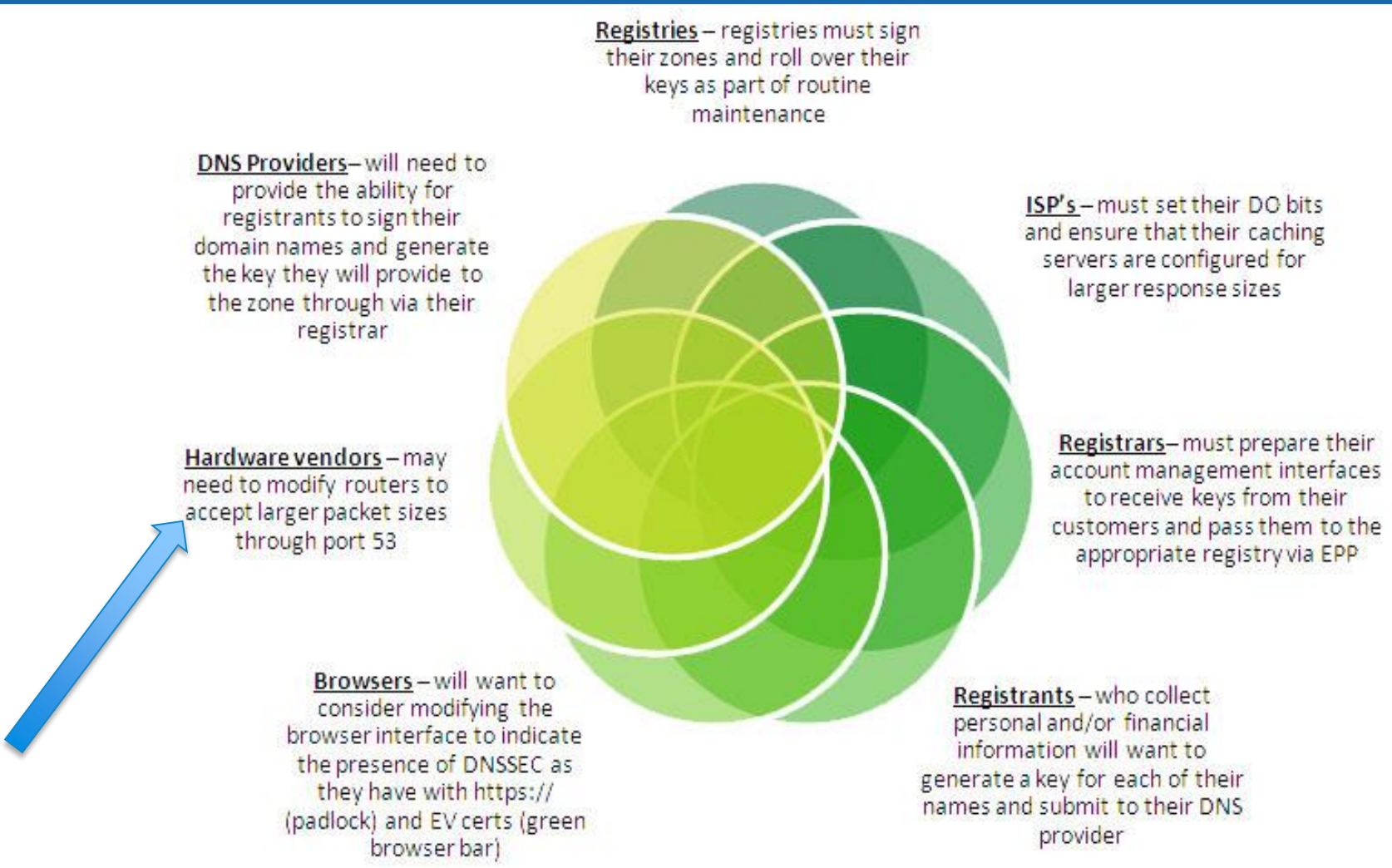
DNSSEC Demystified

… cont. (DNSSEC Demystified)

… cont. (DNSSEC Demystified)



Who Should Deploy DNSSEC?



Source - https://www.neustar.biz/

And Who is Responsible for the DNS?!

- The Internet Corporation for Assigned Names and Numbers (ICANN)
- ICANN coordinates these unique identifiers across the world
- ICANN **promotes competition** and **develops policy** on the Internet's unique identifiers
- ICANN does not control content, it cannot stop spam, and it does not deal with access to the Internet
- Has hub offices in Los Angeles (HQ), Istanbul, and Singapore
- Has engagement centers in Montevideo, Washington DC, Brussels, Geneva, Beijing, and Seoul
- Website at http://www.icann.org/

Engage with ICANN

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