



Enabling Security Online

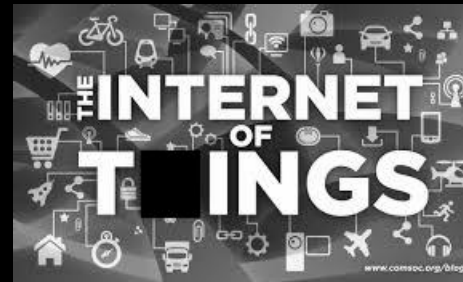
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Today's Special



aka



Agenda (that I will do my best to follow 😊)



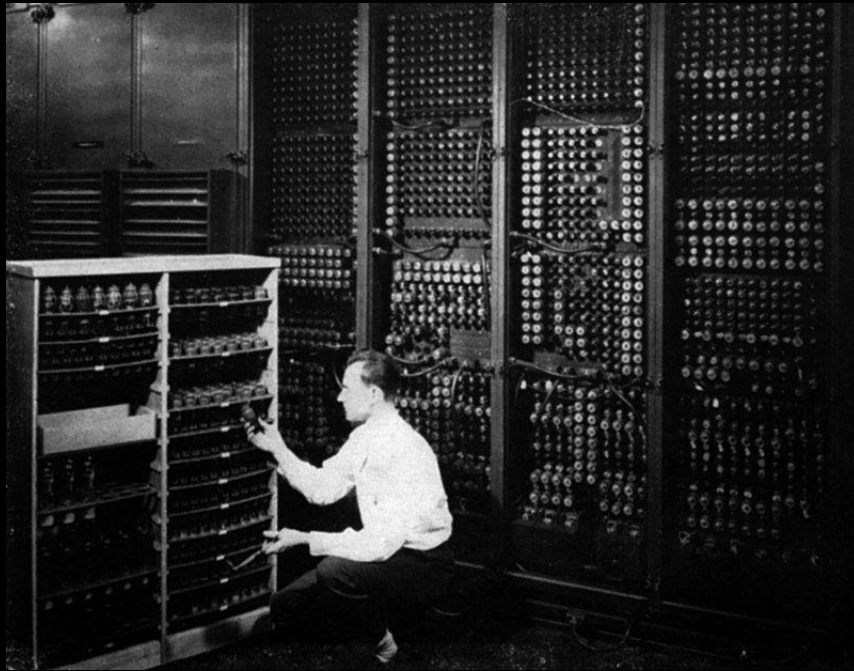
- What IoT really stands for...
- Identifying the Risk...
- Scale fear-less...



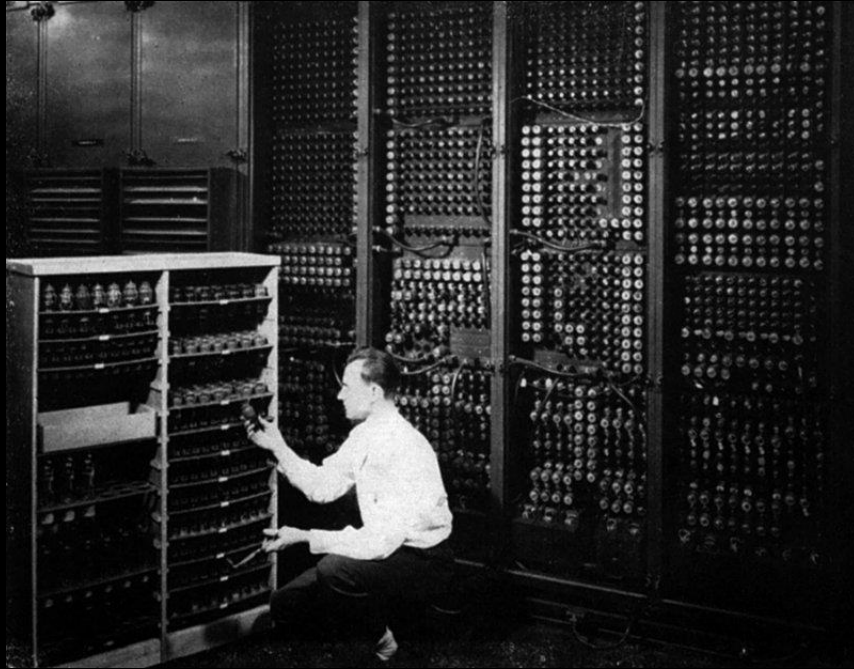
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Imagine that EVERYTHING is interconnected

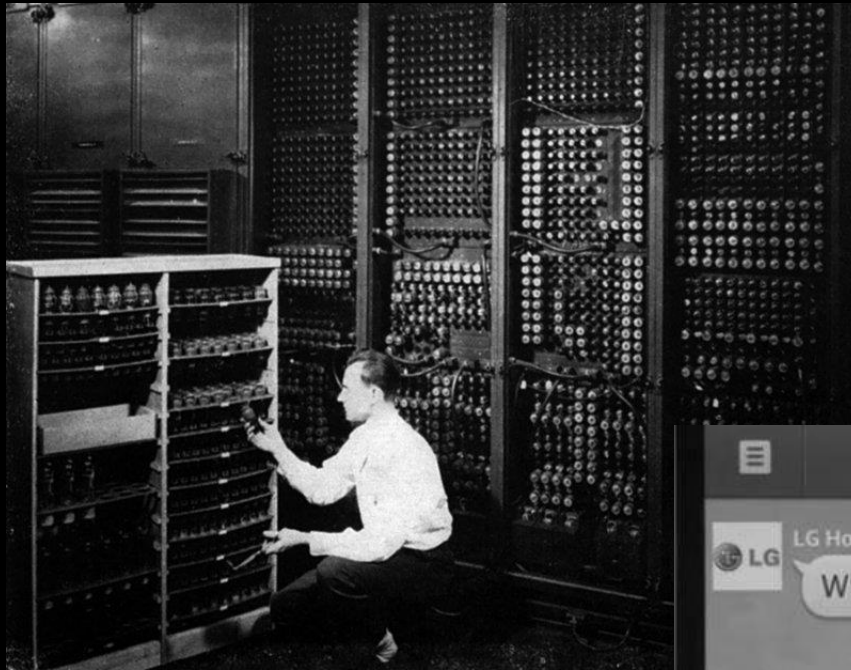
How We Got There



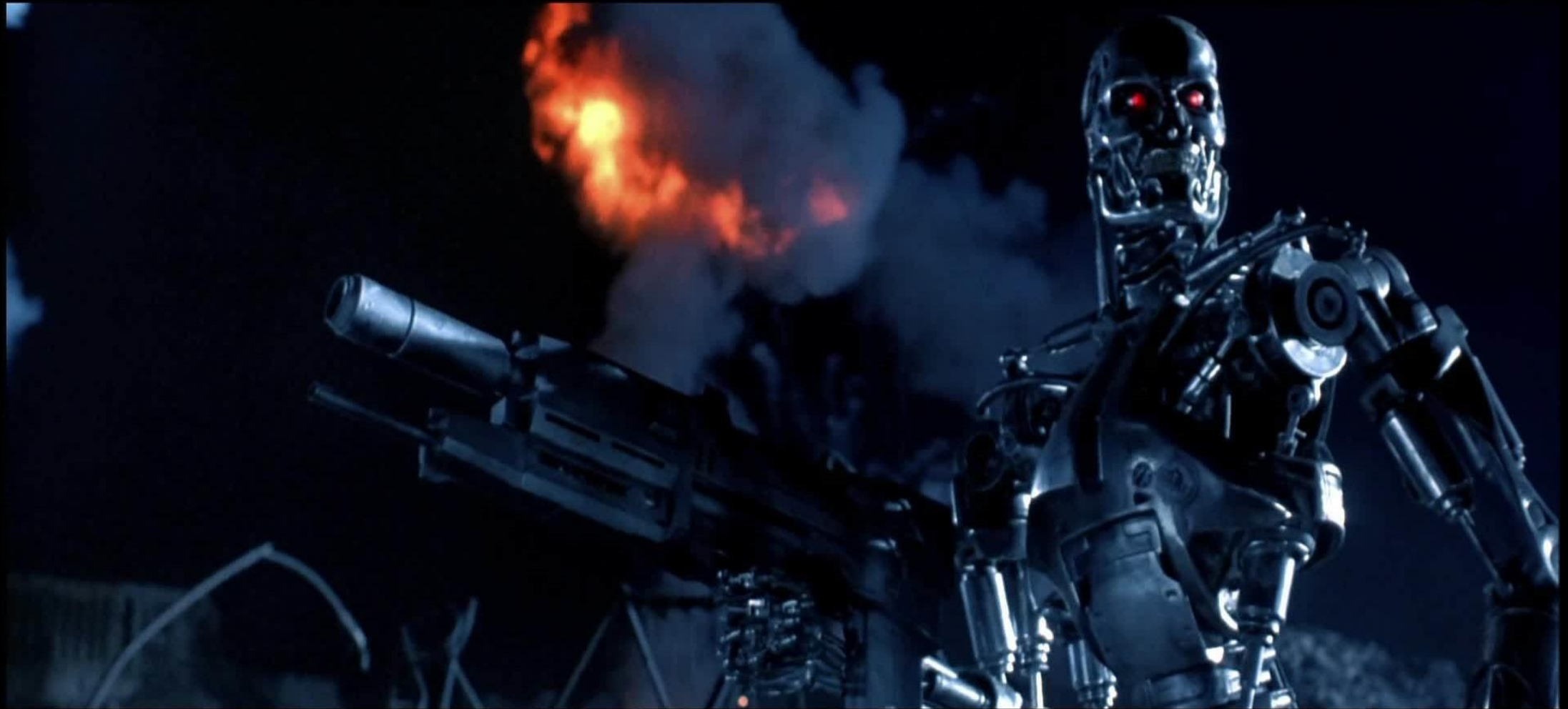
How We Got There



How We Got There



How We Got There



Prophecy



Days of Future Past



Close your eyes and digest

Protect your *user*



"It's all controlled by just one motor"



*"In reality, they were just projecting their own emotions into it,
like pets."*

Protect your *internal* network



"You still need to practise safe sex, even when it's over the internet."



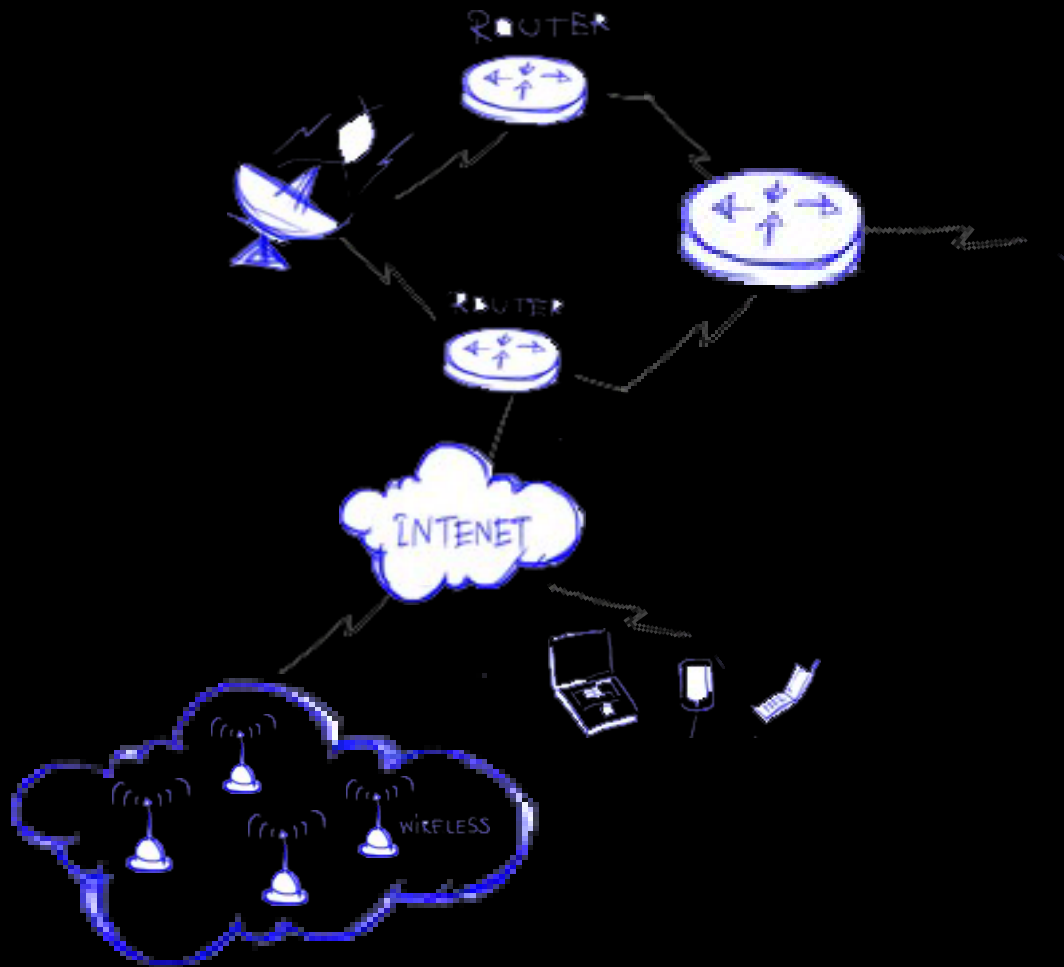
"What are you going to do, decrease the speed...? Is that really going to spoil someone's day?"

Challenges

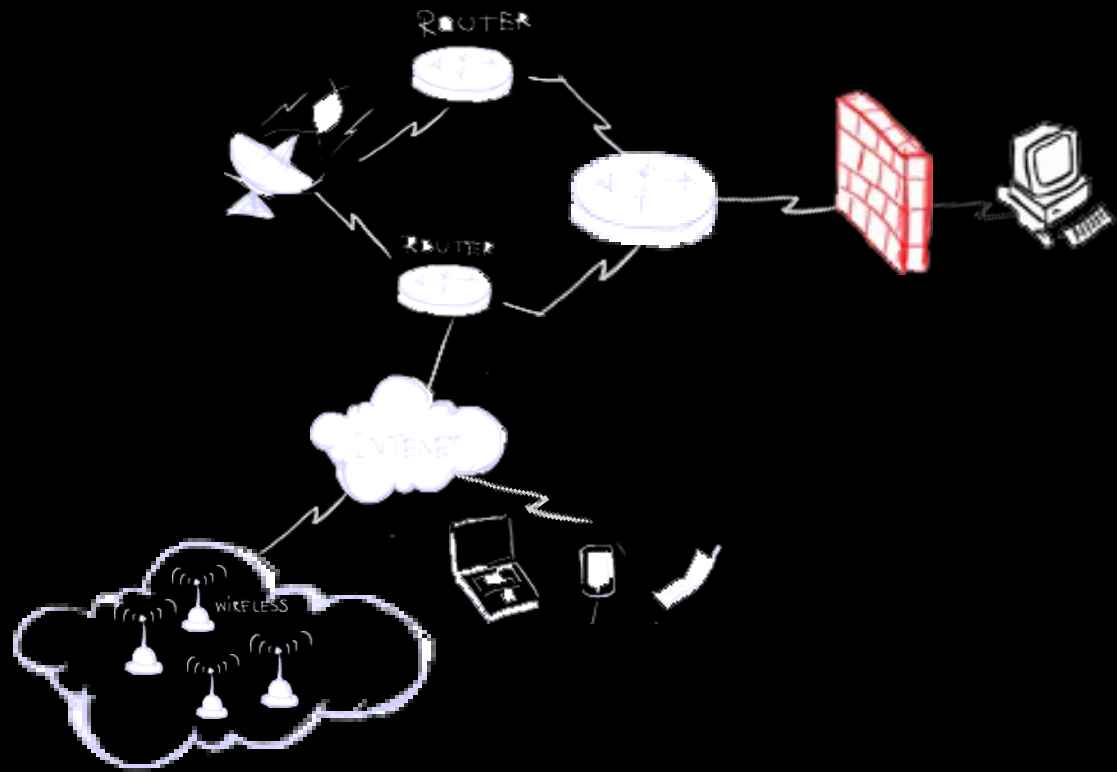


- Life-Cycle
- Indexing & Unauthorized search
- INTERCONNECTION
- Profiling
- Interaction & projection
- Identification
- Tracking

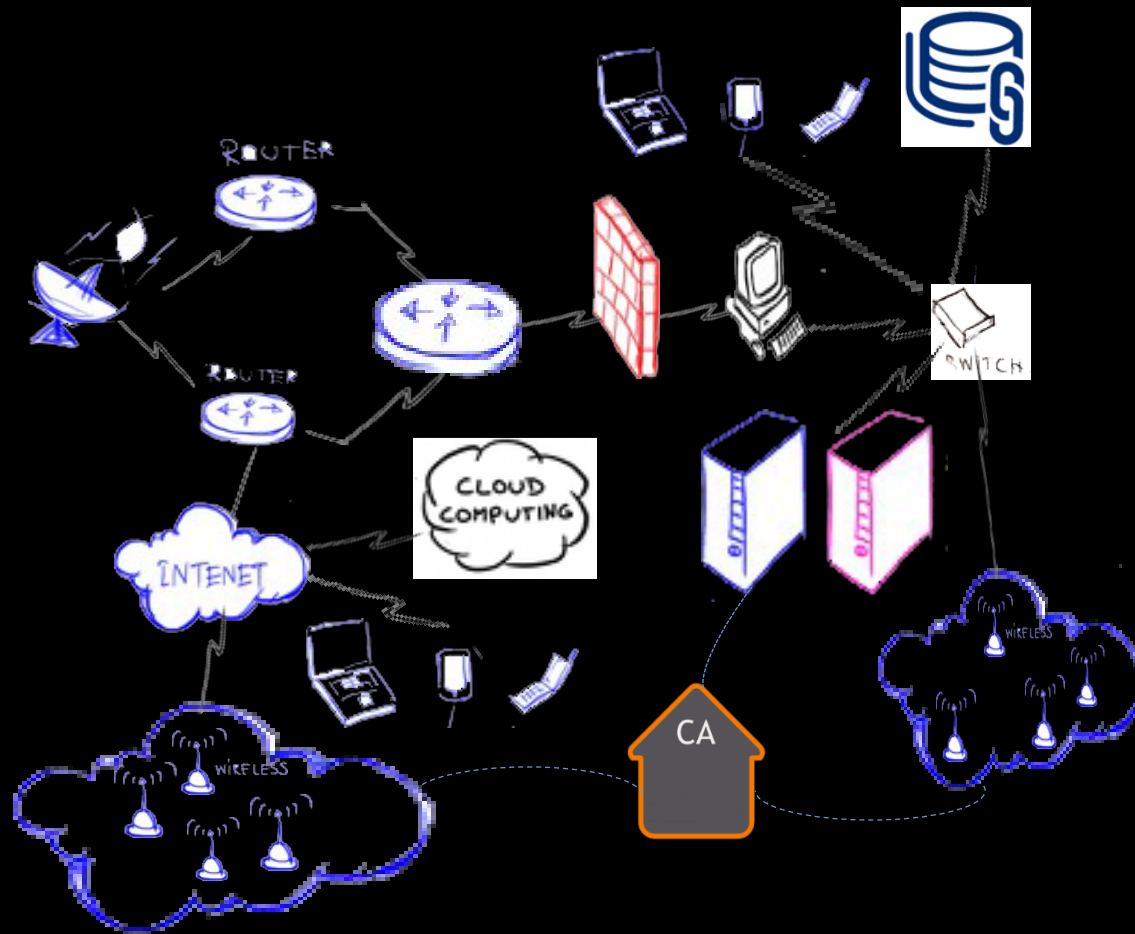
Traditional Solution Take 1



Traditional Solution Take 2



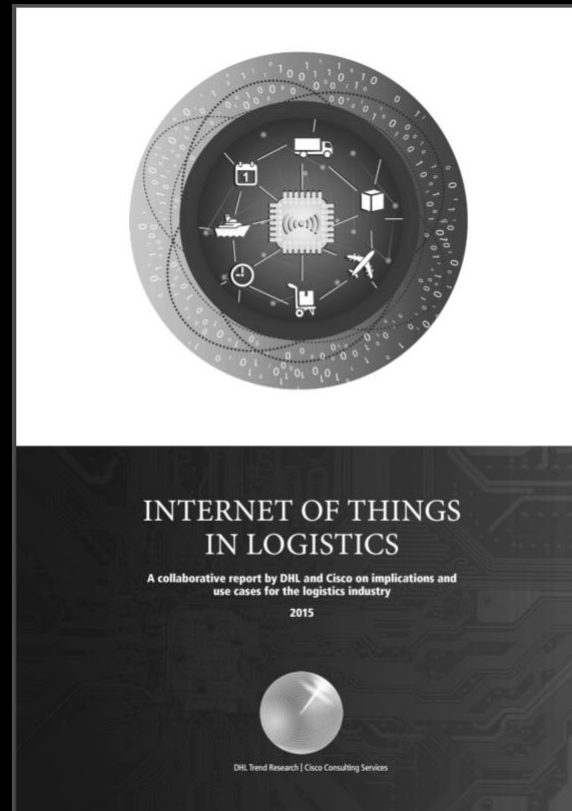
Yet another traditional solution



Mitigation

- Realization & Awareness
- Security, mandatory part of any build process
- Existing measures, the absolute baseline
- Identification of the weakest link
- Proactive establishment of a PoA
- Cyber Response
- ADACOM 😊

IoT Reports / Angle does matter



IoT Frameworks / FYI

Cisco

<http://www.cisco.com/c/en/us/about/security-center/secure-iot-proposed-framework.html>

OWASP

https://www.owasp.org/index.php/OWASP_Internet_of_Things_Project

NIST

<http://www.hldataprotection.com/2015/09/articles/consumer-privacy/nist-releases-draft-framework-on-the-internet-of-things/>

revisit the basics

CIA still applies but not solo

Human Factor always the weakest link

new attack vectors

Security Thirst

PRIVACY in danger

Enabling Security Online

IoT ;

enjoy – responsibly

Security Culture



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