



Cyber Opportunity

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richard.lamb@icann.org

Given inherent boundary-less nature of cyber attacks, there is a need for local, regional, and global cooperation in cyber security - particularly from the bottom up.



Designed by freepik

Bridge building events like this, SANOG just prior, and others are critical in building the human networks that run the Internet “network”.

Sun 1215: Hey Joe – Sorry it is late but are you seeing anything strange headed toward me?

Sat 2230: Hello Bikram – Let me look...Ah yes. Looks like a DDOS attack from an unknown network. Ill see if I can filter it out.

Sun 1220: Thanks. I owe you a beer.

Sat 2239: Happy to help...and yes ill take the beer ;-)





For the fast moving Internet the future is now. By the time I formulate a plan (business or otherwise) to address today's problems, the Internet ecosystem has changed.

So assume tomorrow is today and that we live in an interconnected Internet of Things. A recent visit to CES:





Security is recognized as a missing piece for IoT. The reliance on IoT means it should be built in from the start. Not just a patch.

IoT:

- **Light bulb**
- **Lock**
- **Car**
- **Heart Pacemaker**
- **Internet Router – Security already built in and understood**

Lets take advantage of the hard won experience and cooperative environment of our network engineers to develop the solutions for “tomorrow’s” IoT!

Don’t just follow – innovate and lead. This is an opportunity to progress technically and benefit economically.



Help engineer dreamers (like me) realize their goals (with rule of law, IP protection, business acumen) and become a source of cyber security solutions .. Not just a consumers.

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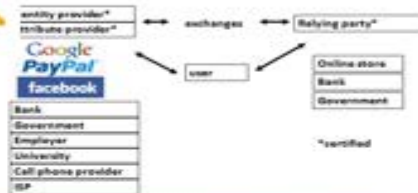
US-NSTIC effort

DNS is a part of all IT ecosystems (much more than one expects)



facebook

ebay



PayPal

OECS ID effort

amazon Prime



e-Passport symbol



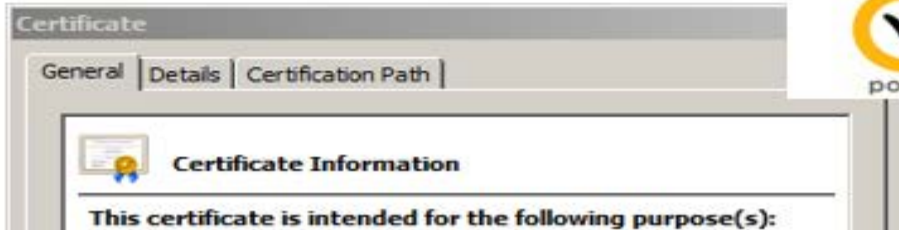
COMODO Creating Trust Online

lamb@xtcn.com

Smart Electrical Grid

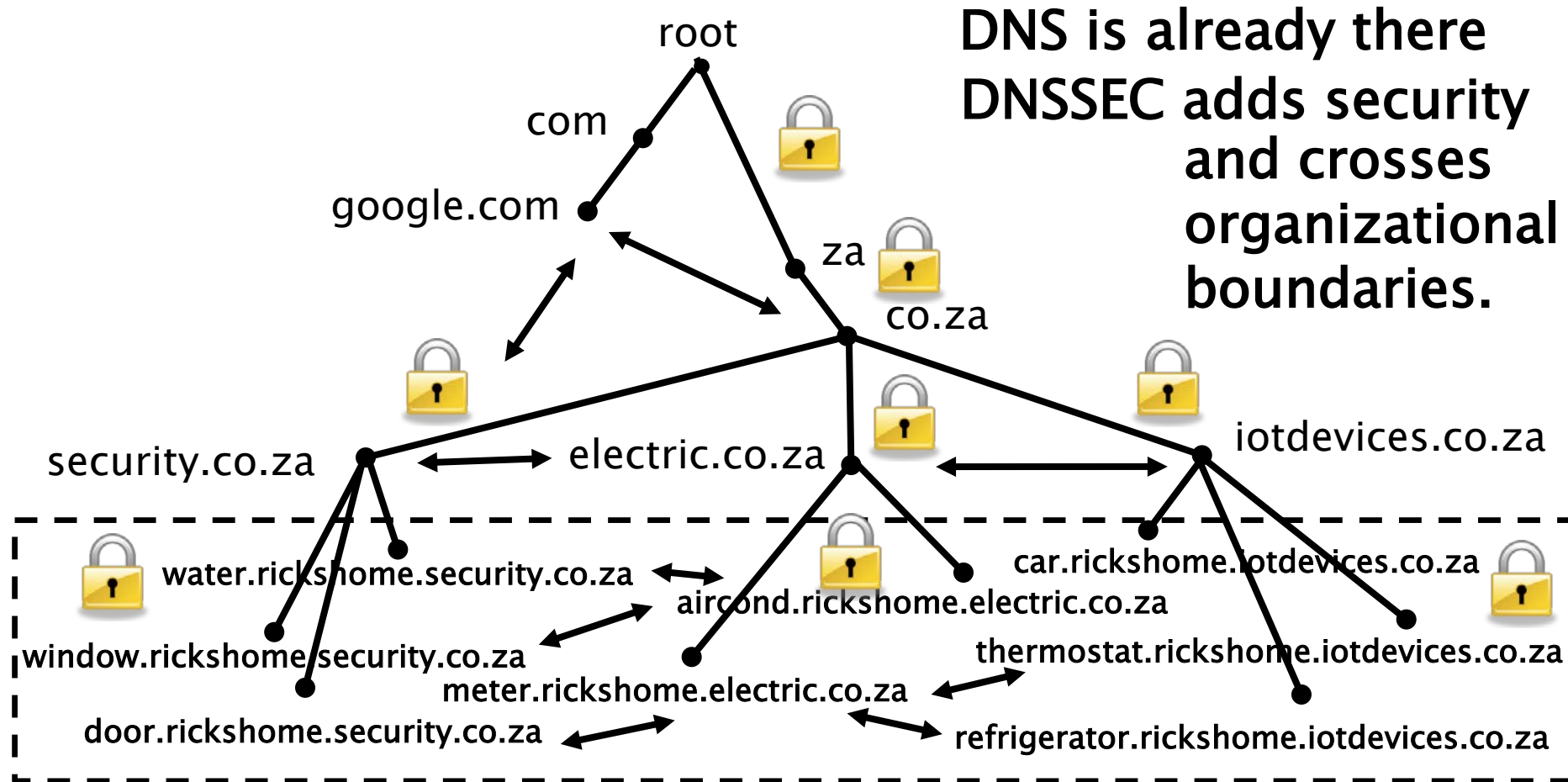


Trust frameworks are not new



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A thought: Scalable Security for IoT



Animated slide

Thank You

My new favorite word is: Jugaad