

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!**



Securing it

- DNS converts names (www.bncr.fi.cr) to numbers (201.220.29.26)
- Make sure we get the right numbers (DNSSEC)
- Verify the identity and encrypt data

The image shows a browser window with two tabs. The top tab is for 'Turkiye Halk Bankasi A.S. [TR]' with an SSL lock icon. The bottom tab is for 'Banco Nacional de Costa Rica [CR]' with a DNSSEC lock icon. The DNSSEC icon is circled in black. The page content shows the Banco Nacional logo and navigation menu.

SSL

DNSSEC

Turkiye Halk Bankasi A.S. [TR] <https://www.halkbank.com.tr>

Arama Yap HIZLI BAŞVURU ENGLISH ÜYELİK

Banco Nacional de Costa Rica [CR] <https://www.bncr.fi.cr/BNCR/Default.aspx>

viernes, 04 de diciembre de 2015 | Mapa del Sitio

BANCO NACIONAL

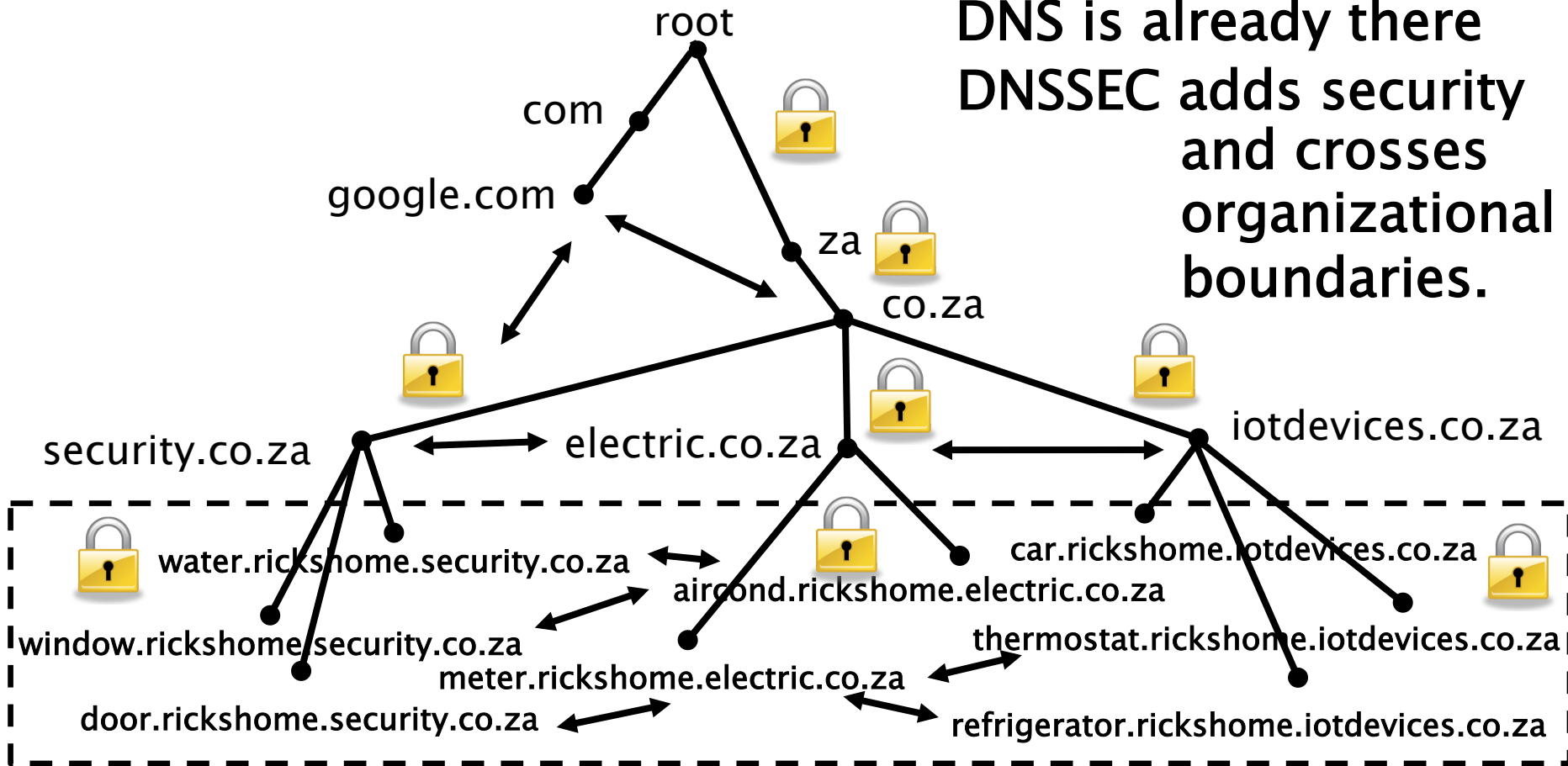
Acceda a **BN-Móvil** desde su PC

US\$ Compra: 526.00
US\$ Venta: 538.00
Más información aquí

Conózcanos Instituciones Empresas Personas Tarjetas Pymes Dónde Estamos

A thought: Scalable Security for IoT

DNS is already there
DNSSEC adds security
and crosses
organizational
boundaries.



DNSSEC: Internet infrastructure upgrade to help address today's needs and create tomorrow's opportunity.

+1-202-709-5262

HealthCare.gov

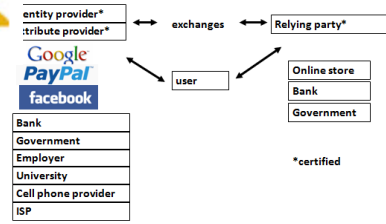
US-NSTIC effort

VoIP

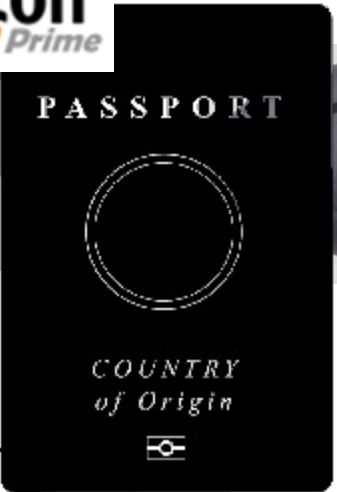
DNS is a part of all IT ecosystems (much more than one expects)



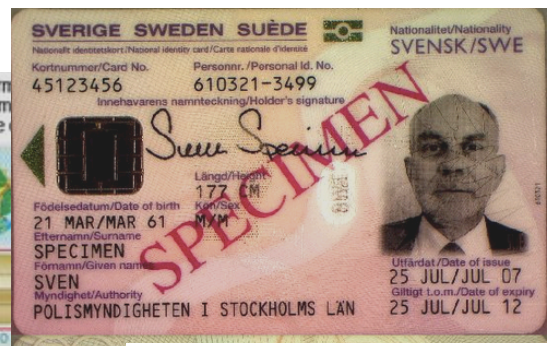
OECS ID effort



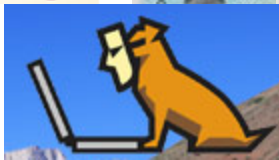
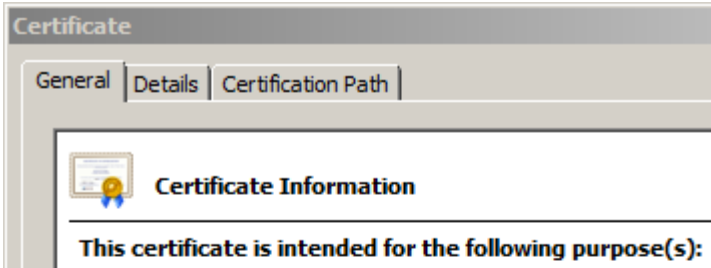
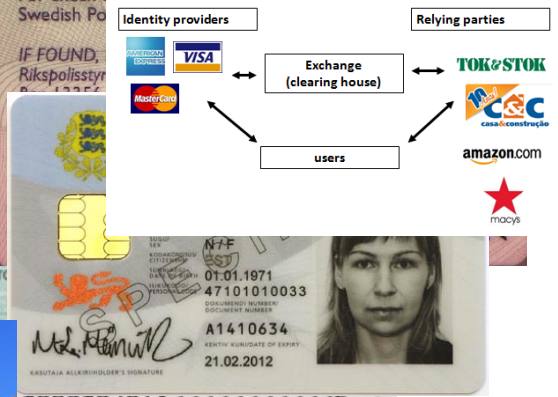
e-Passport symbol



Smart Electrical Grid



Trust frameworks are not new



mydomainname.com

lamb@xtcn.com