

Stichting Internet Domeinregistratie Nederland (SIDN)

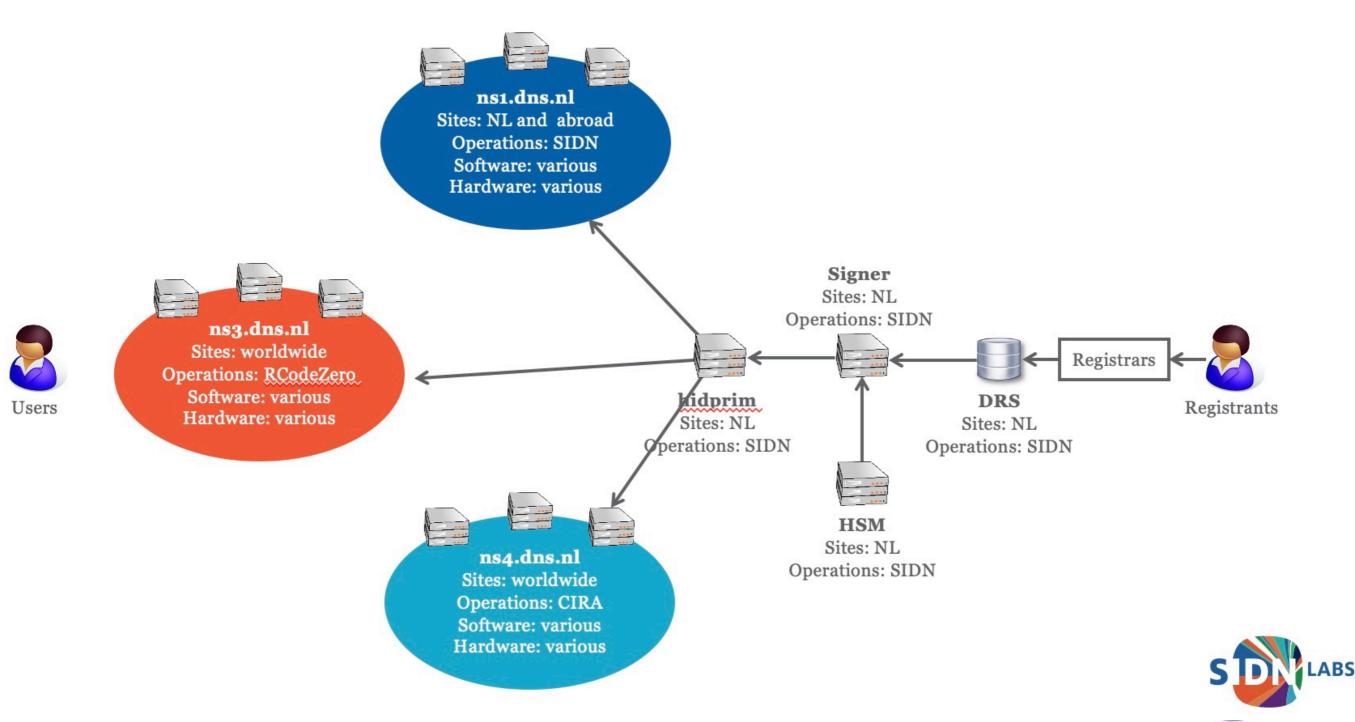
- Objective: increase society's confidence in the Internet
- Provide secure and fault-tolerant registry services for .nl
 - Anycasted DNS services with DNSSEC support
 - Registration and domain protection services
- Increase the value of the Internet in the Netherlands and elsewhere
 - Enable safe and novel uses (SIDN Fonds, IRMA)
 - Increase infrastructure security and trustworthiness (SIDN Labs)
- Private organization with a public role based in Arnhem



.nl = the Netherlands18M inhabitants6.2M domain names3.8M DNSSEC-signed4.0B DNS queries/day8.6B NTP queries/day



Heterogeneous and fault-tolerant DNS infrastructure



SIDN Labs



SIDN Labs Maarten Wullink Research engineer



SIDN Labs **Thymen Wabeke** Research engineer



Moritz Müller Research engineer



SIDN Labs





SIDN Labs Elmer Lastdrager Research engineer



Thijs van den Hout Research Engineer



SIDN Labs Ralph Koning Research Engineer



Lisa Bruder Research Engineer



Caspar Schutijser Research engineer



SIDN Labs Cristian Hesselman Directeur SIDN Labs



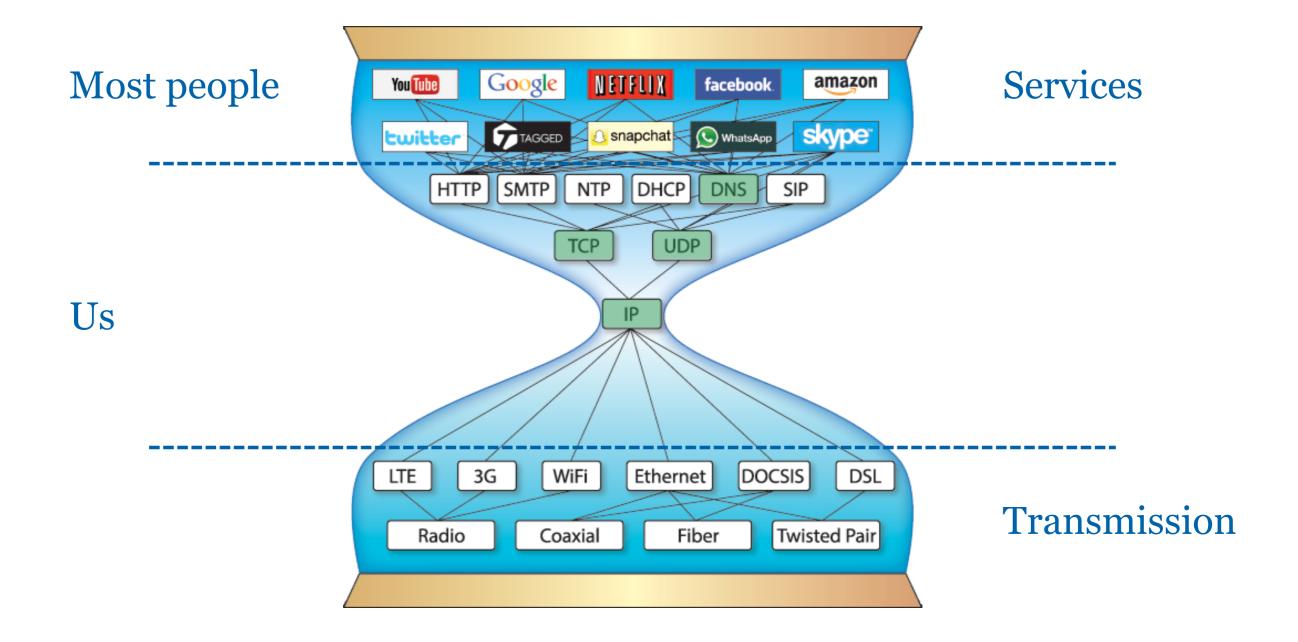
SIDN Labs Giovane Moura **Data Scientist**



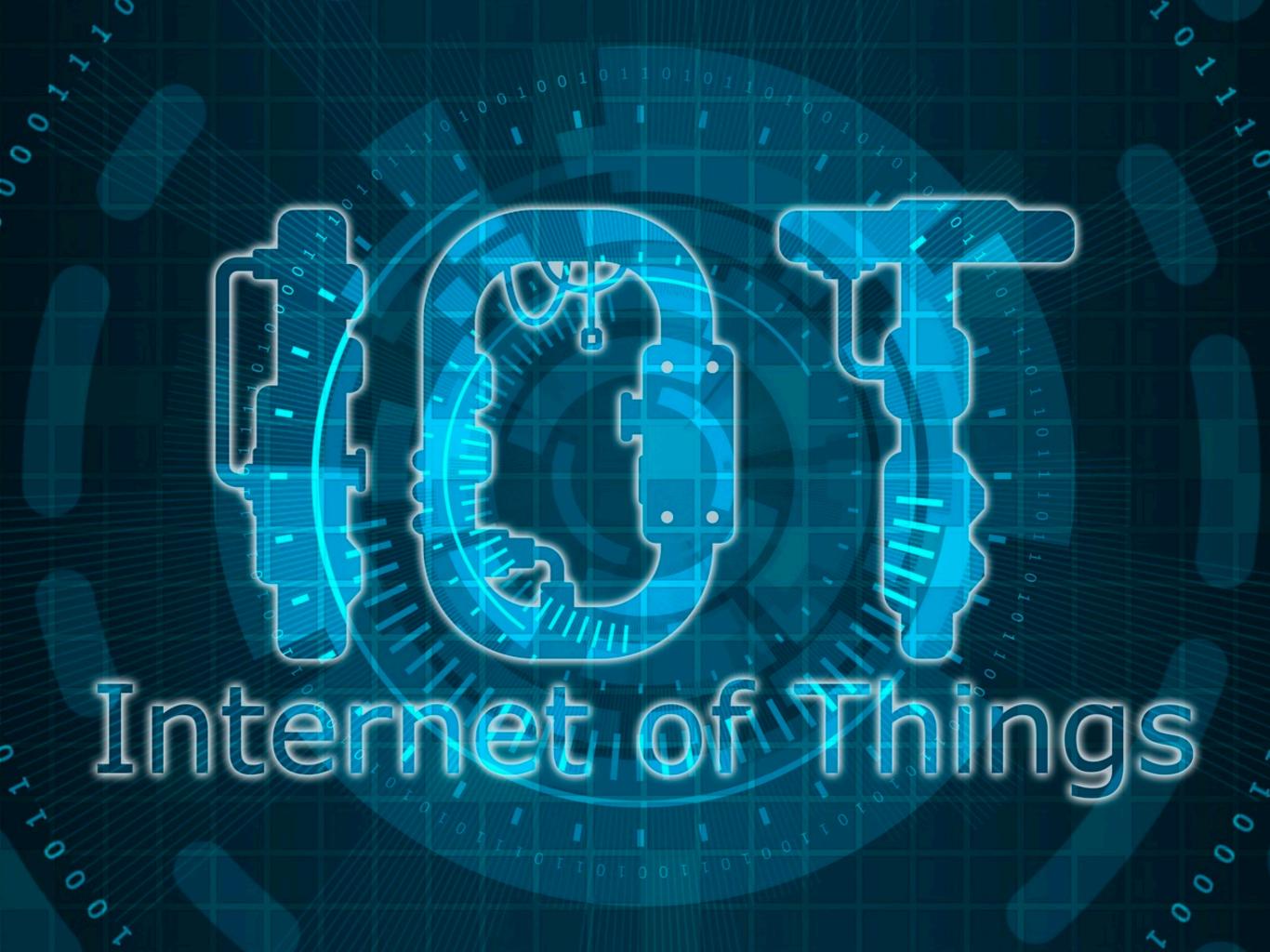
SIDN Labs Marco Davids Research engineer

- Technical experts, divers in seniority and nationality
- Help SIDN teams, write open-source software, analyze large amounts of data, conduct experiments, write articles, collaborate with universities
- M.Sc students help us advance specific areas



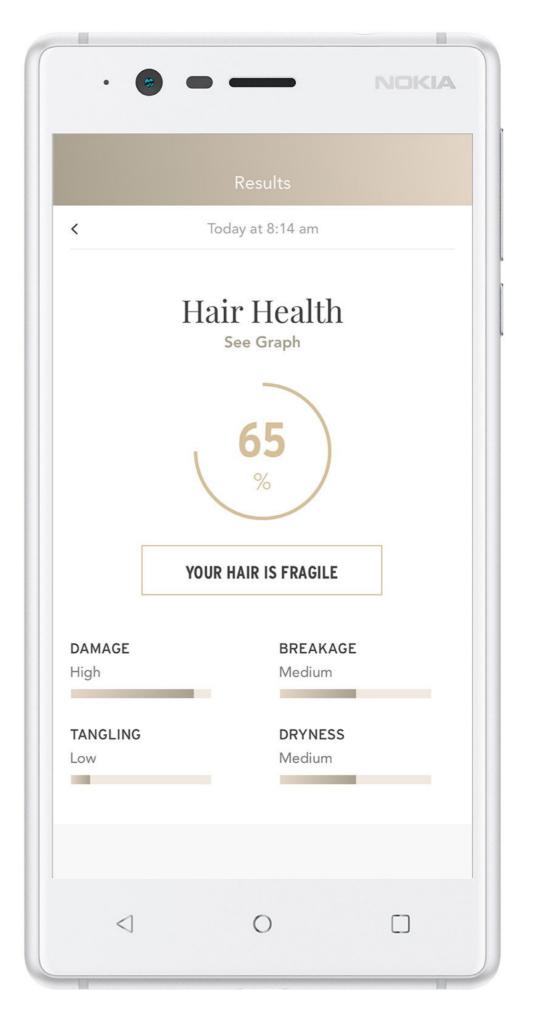














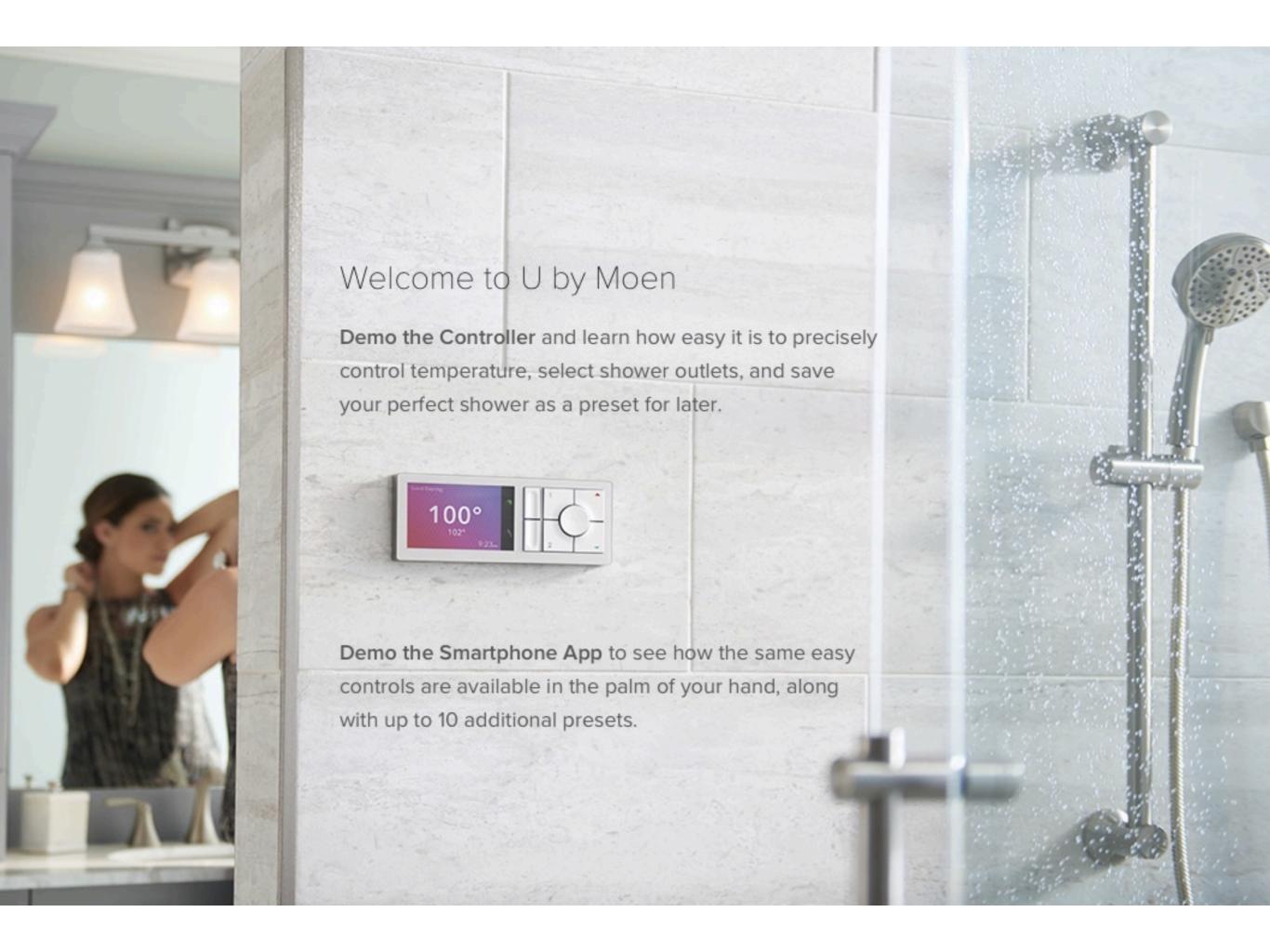














SMALT with voice

Connect SMALT with Amazon Echo and simply say "Alexa, dispense half a teaspoon of salt".



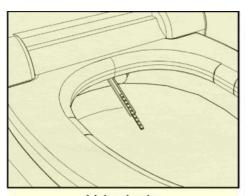


Bring the flavor

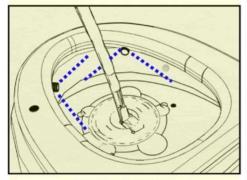
SMALT dispenses salt with a shake/pinch of your smartphone screen or simply turning the dial manually.



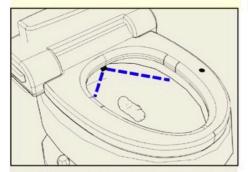




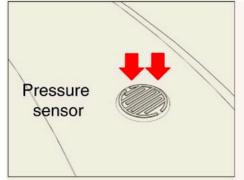
Urinalysis



Uroflowmetry



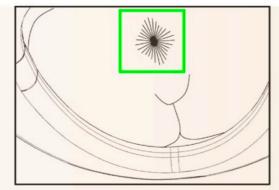
Bristol stool form scale



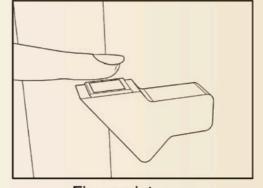
Seating time defecation time







Analprint scan



Fingerprint scan









SLIDESHOW

The internet of insecure things: Thousands of internet-connected devices are a security disaster in the making



By Josh Fruhlinger, CSO | Oct 12, 2016 4:00 AM PT

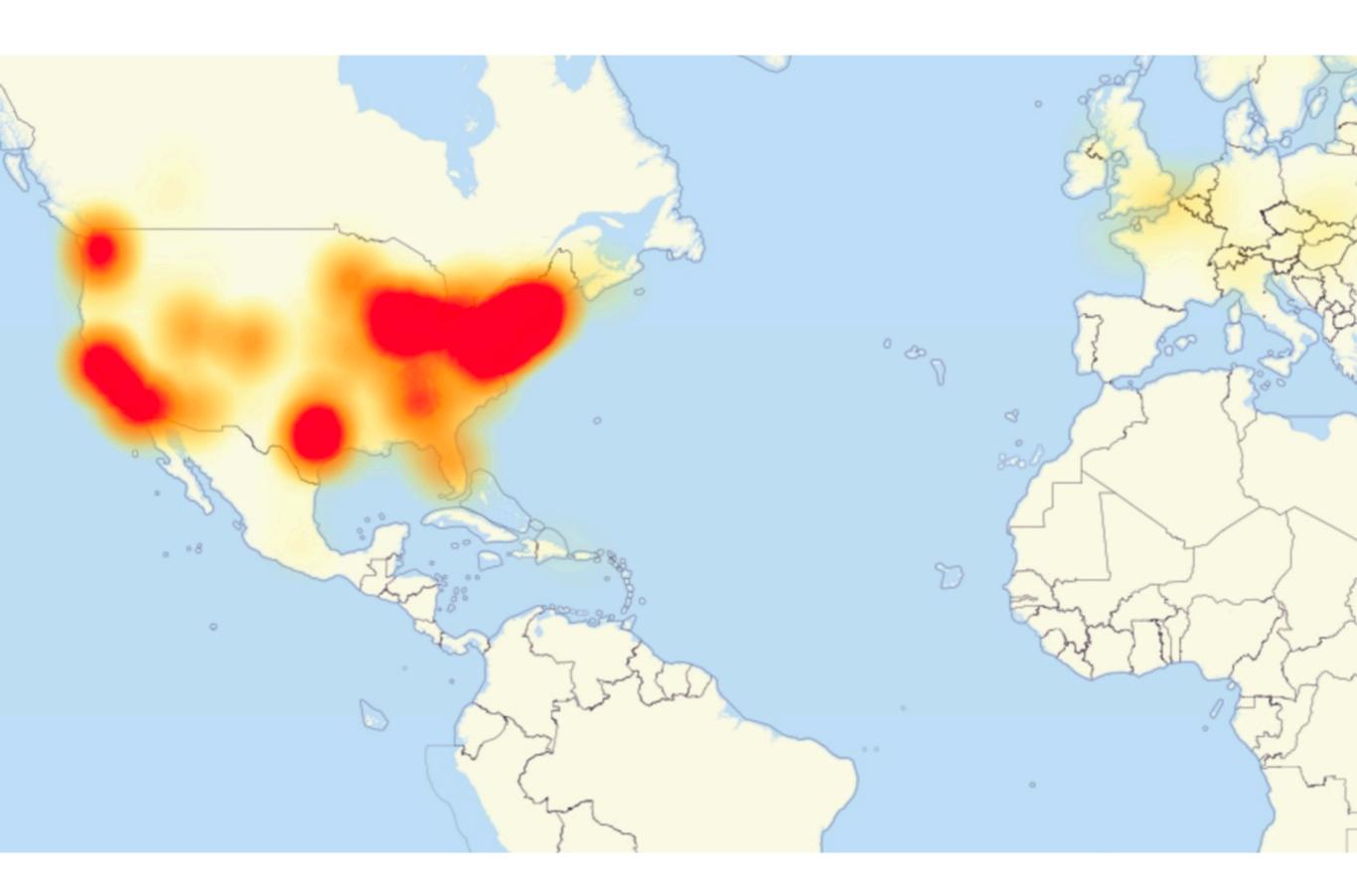






Mirai vs O Dyn

1.2 Tbps From 'only' 100.000 devices



This guy's light bulb performed a DoS attack on his entire smart house









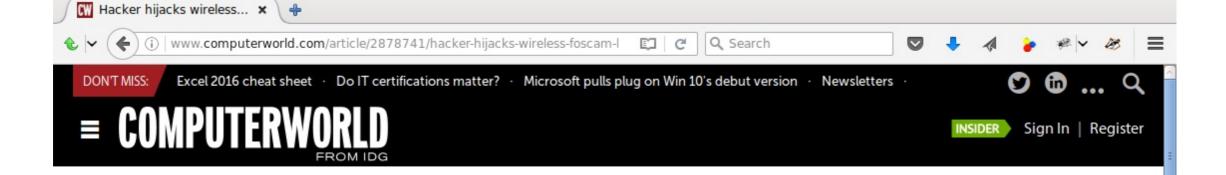
RISK ASSESSMENT —

BrickerBot, the permanent denialof-service botnet, is back with a vengeance

New botnet squadrons wage fiercer, more intense attacks on unsecured IoT devices.

DAN GOODIN - 4/24/2017, 10:43 PM





Home > Security > Cybercrime & Hacking



About 3

Most security news is about insecurity, hacking and cyber threats, bordering on scary. But when security is done right, it's a beautiful thing...sexy even. Security IS sexy.

NEWS ANALYSIS

Hacker hijacks wireless Foscam baby monitor, talks and freaks out nanny

This is the third time news has circulated about some jerk hijacking a wireless Foscam camera/baby monitor and made his virtual intrusion known by talking. Please change the default password!



















MORE LIKE THIS

Hacker strikes again: Creep hijacks baby monitor to scream at infant and...



2 more wireless baby monitors hacked: Hackers remotely spied on babies and...

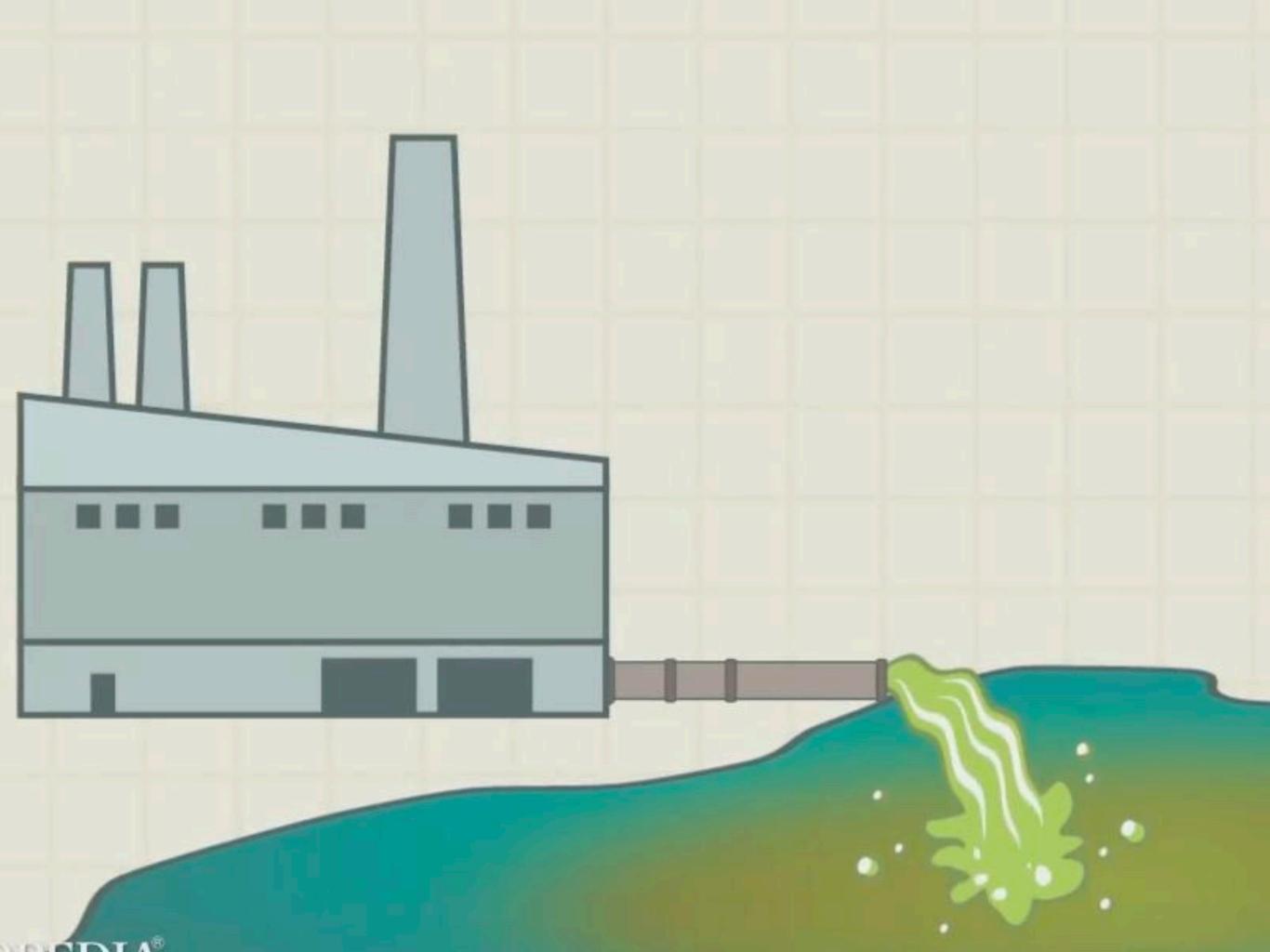


Eerie music coming from wireless baby cam; is it a







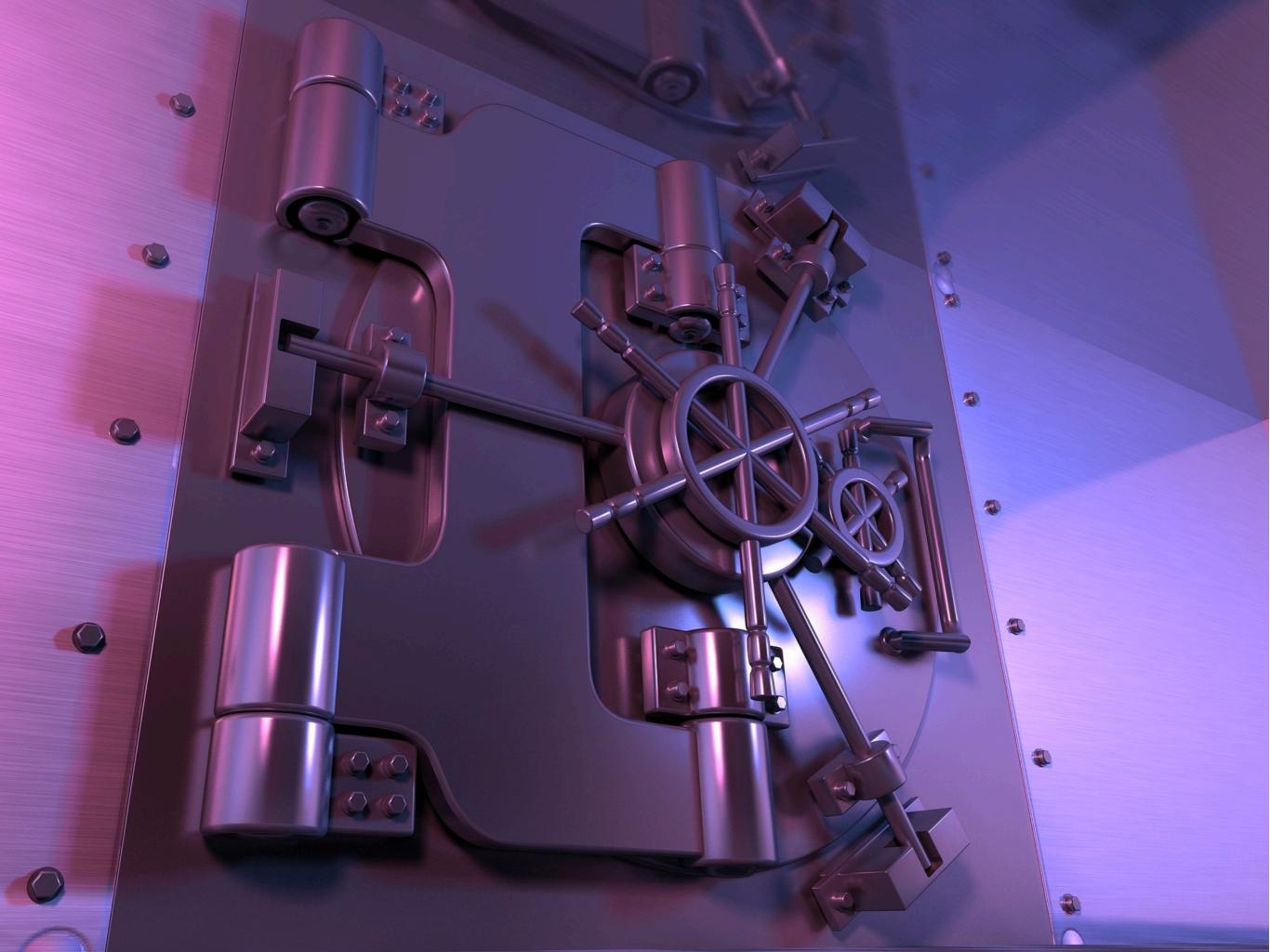




- HOW LONG YOU'VE HAD YOUR SMART APPLIANCE-6 MONTHS 1 YEAR 5 YEARS 10 YEARS BEST-CASE YOU'RE CONSTANTLY

BEING RESCUED FROM PERIL BY A FACELESS TEAM OF ENGINEERS WHO COULD WANDER AWAY AT ANY TIME YOUR APPLIANCE 15 PART OF A BOTNET RUN BY ORGANIZED CRIME

WORST-CASE





IoT products required to meet minimum security standards starting 2024

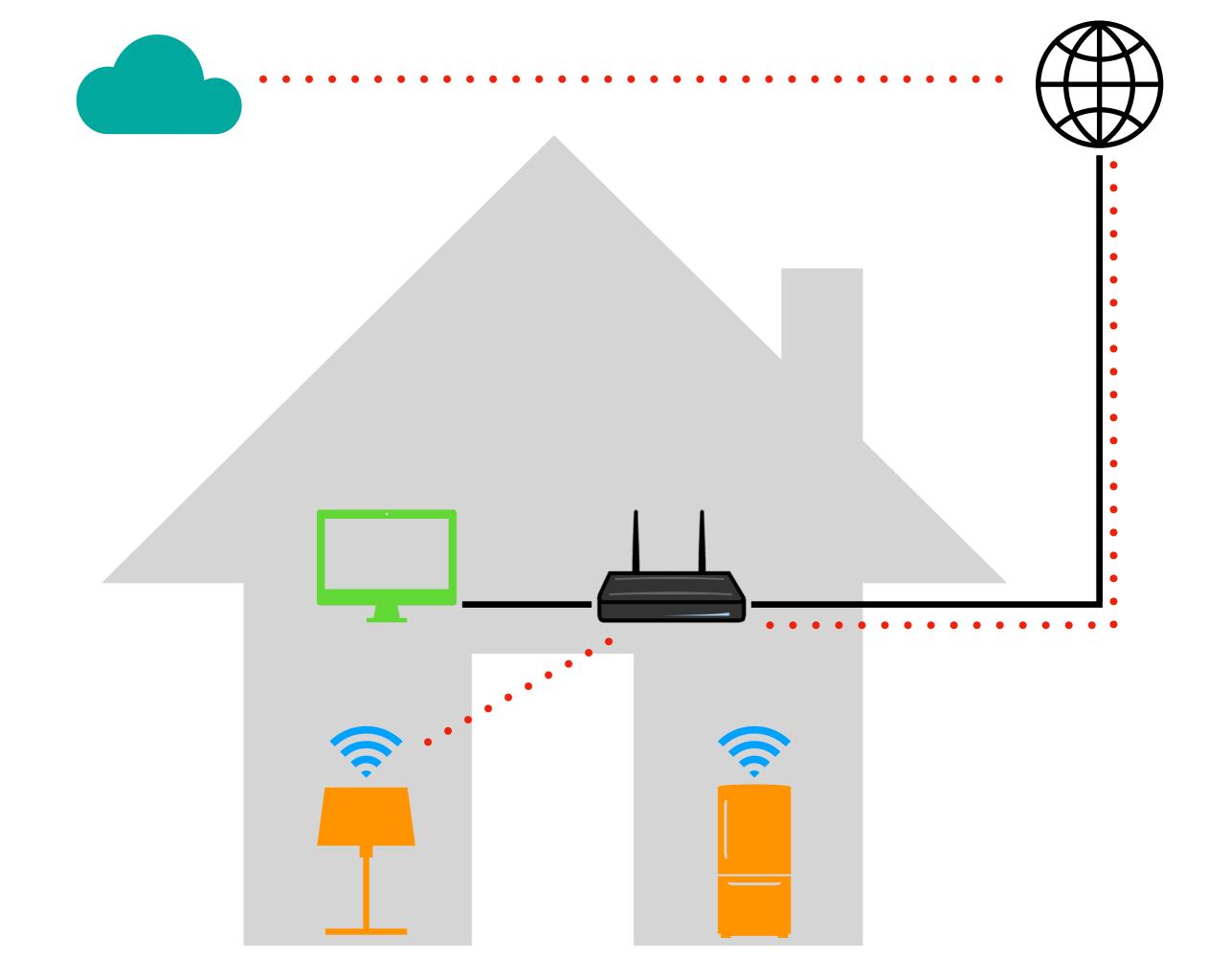
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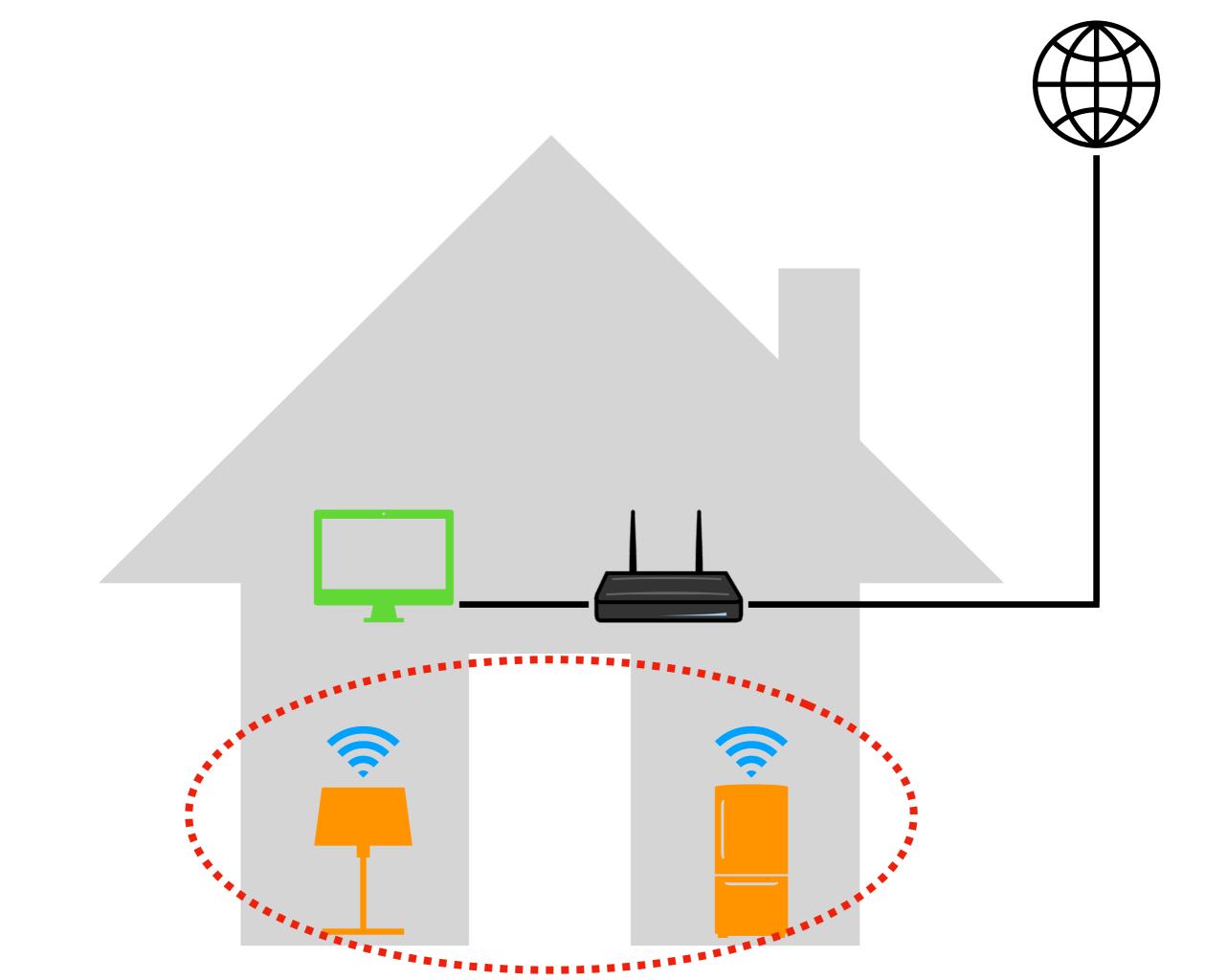
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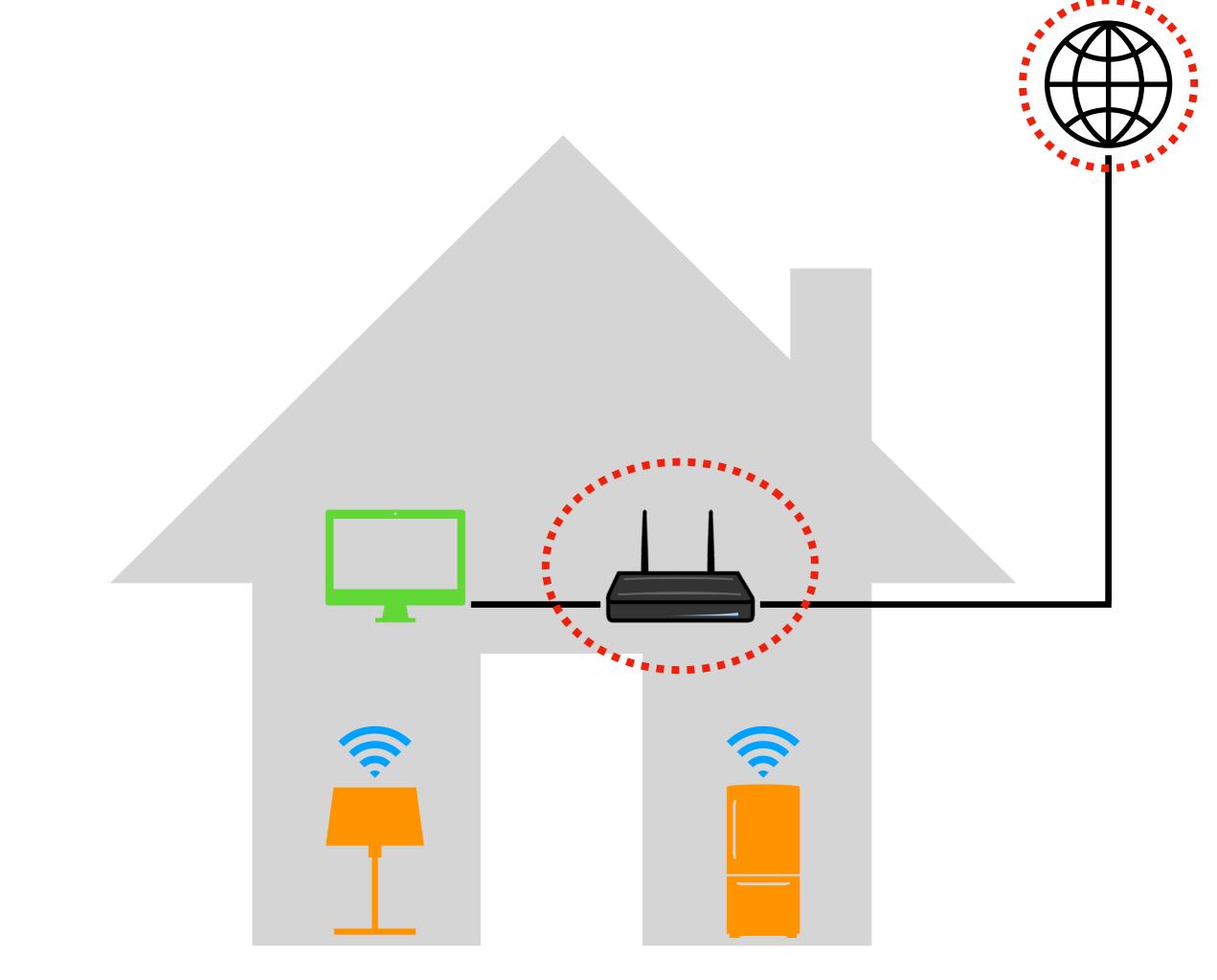
The European Commission has imposed minimum requirements for the security of IoT products, better known as smart devices, starting in 2024. If they do not meet these standards, the product will be banned from the EU market. The EU cybersecurity requirements for consumer products have been introduced as an addition to the EU Radio Equipment Directive (RED). You can read the press release from the Dutch central government here.

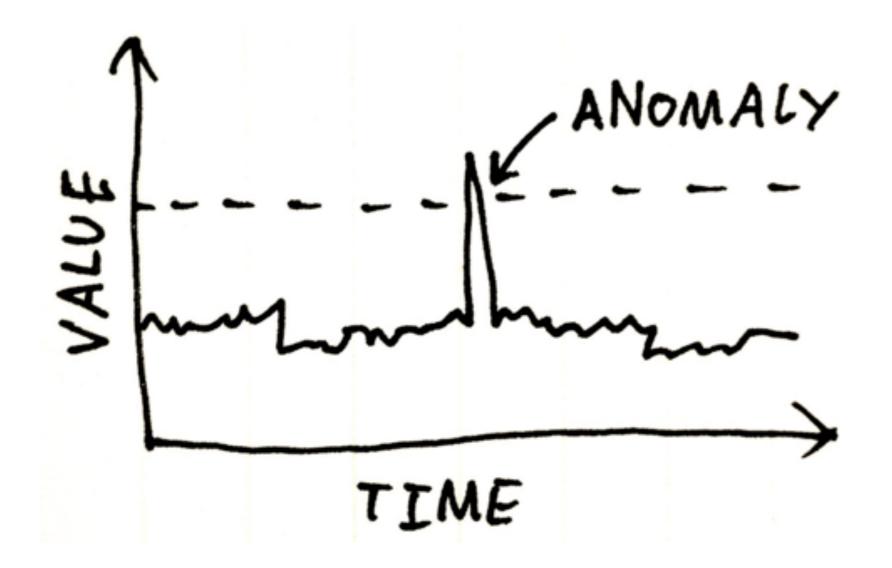












[Docs] [txt pdf] [draft-ietf-opsa...] [Tracker] [Diff1] [Diff2] [Errata]

PROPOSED STANDARD

Errata Exist

Internet Engineering Task Force (IETF)

Request for Comments: 8520 Category: Standards Track

ISSN: 2070-1721

E. Lear Cisco Systems

> R. Droms Google

D. Romascanu March 2019

Manufacturer Usage Description Specification

Abstract

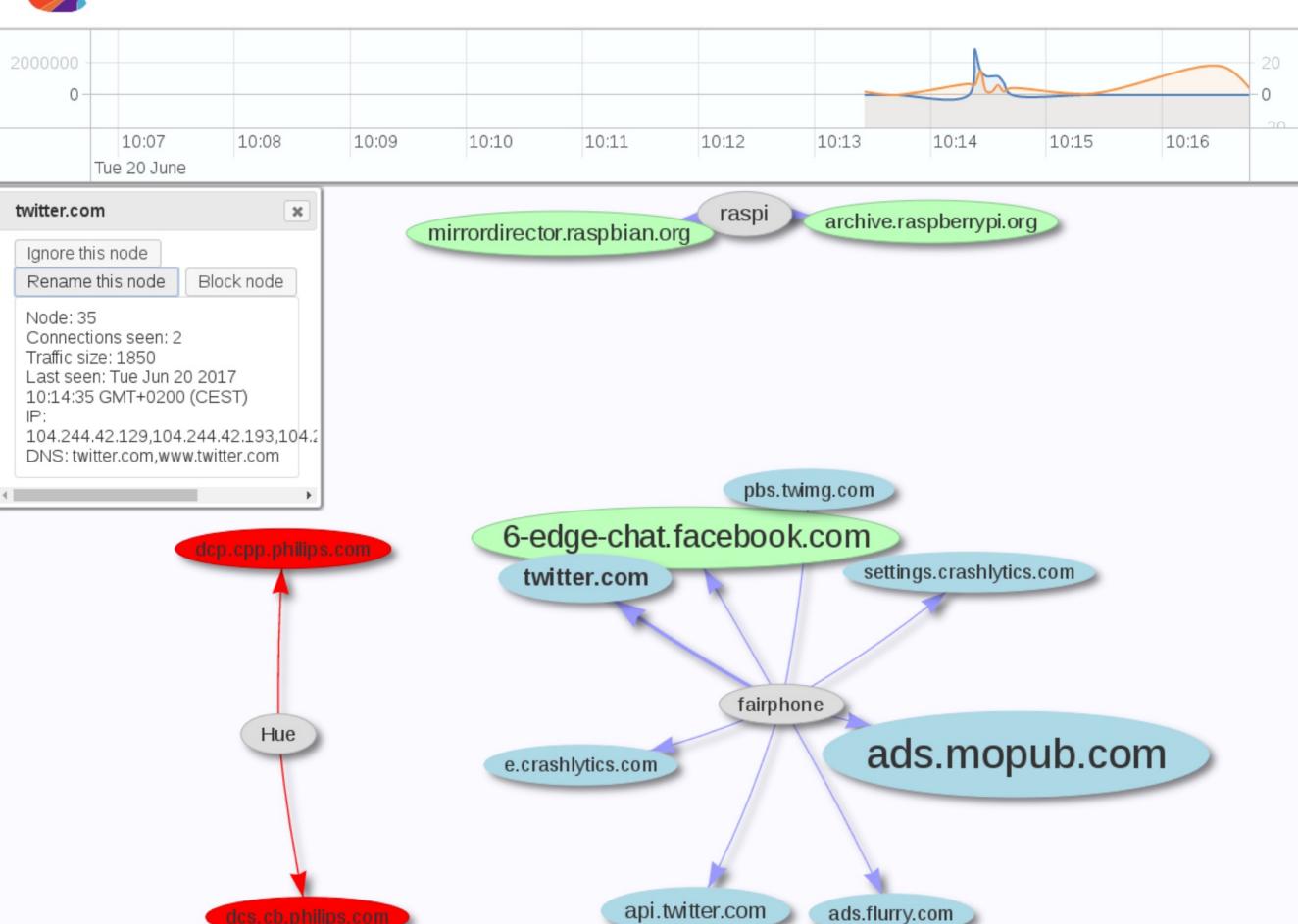
This memo specifies a component-based architecture for Manufacturer Usage Descriptions (MUDs). The goal of MUD is to provide a means for end devices to signal to the network what sort of access and network functionality they require to properly function. The initial focus is on access control. Later work can delve into other aspects.

This memo specifies two YANG modules, IPv4 and IPv6 DHCP options, a Link Layer Discovery Protocol (LLDP) TLV, a URL, an X.509 certificate extension, and a means to sign and verify the descriptions.

Status of This Memo

This is an Internet Standards Track document.

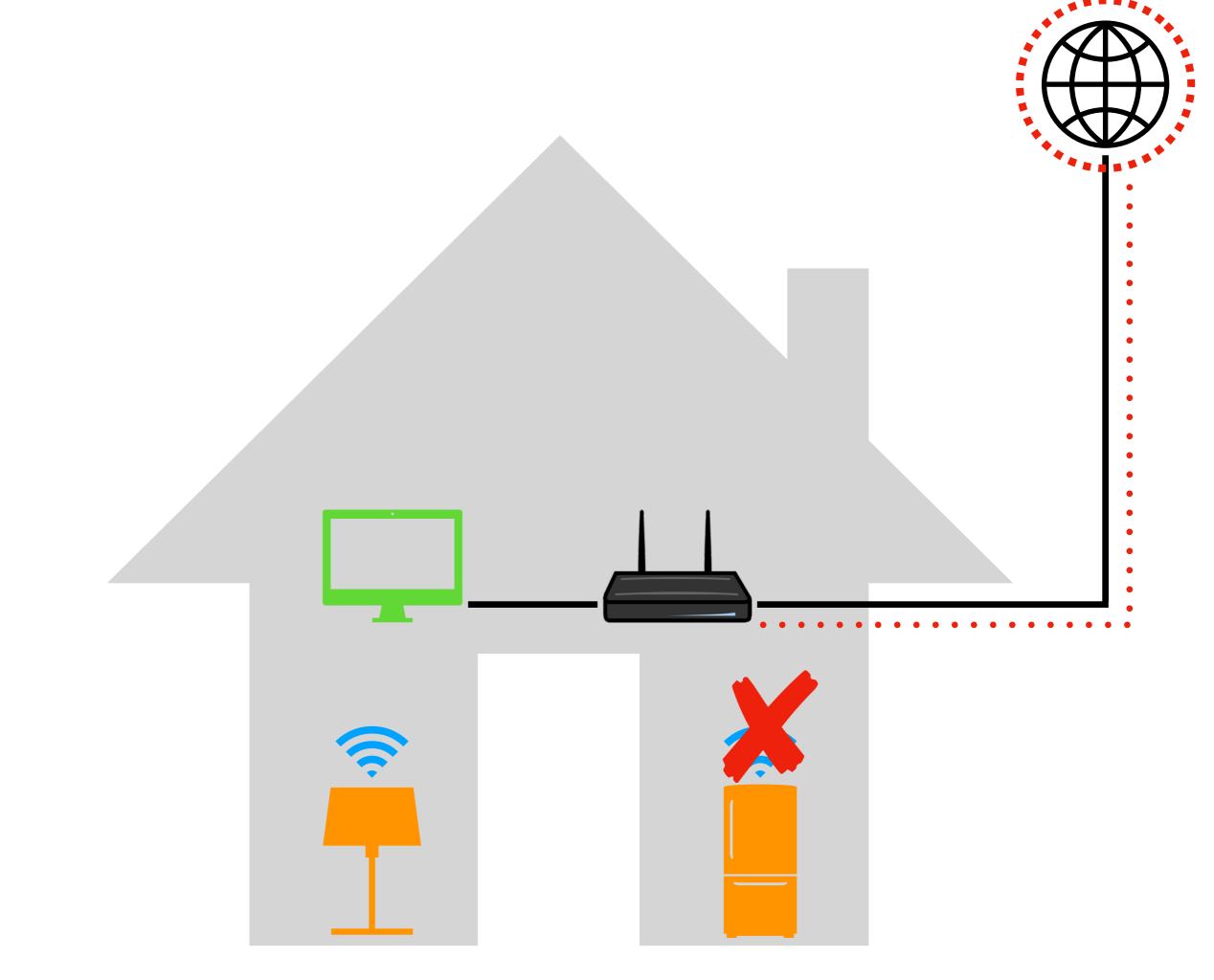
This document is a product of the Internet Engineering Task Force (IETF). It represents the consensus of the IETF community. It has received public review and has been approved for publication by the Internet Engineering Steering Group (IESG). Further information on Internet Standards is available in <u>Section 2 of RFC 7841</u>.



Unlock view

Snow fliter list

Connected





CAUTION

KEEP OUT QUARANTINE





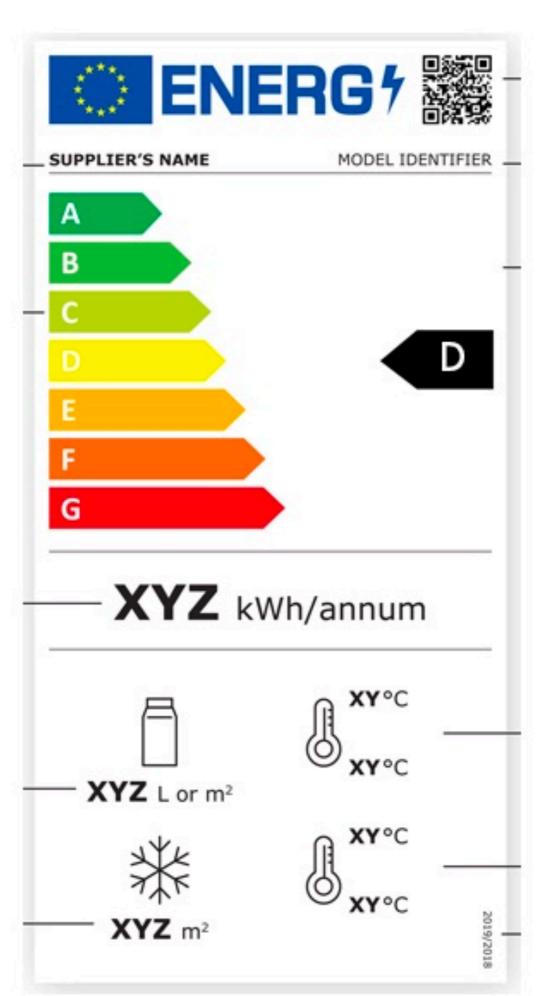


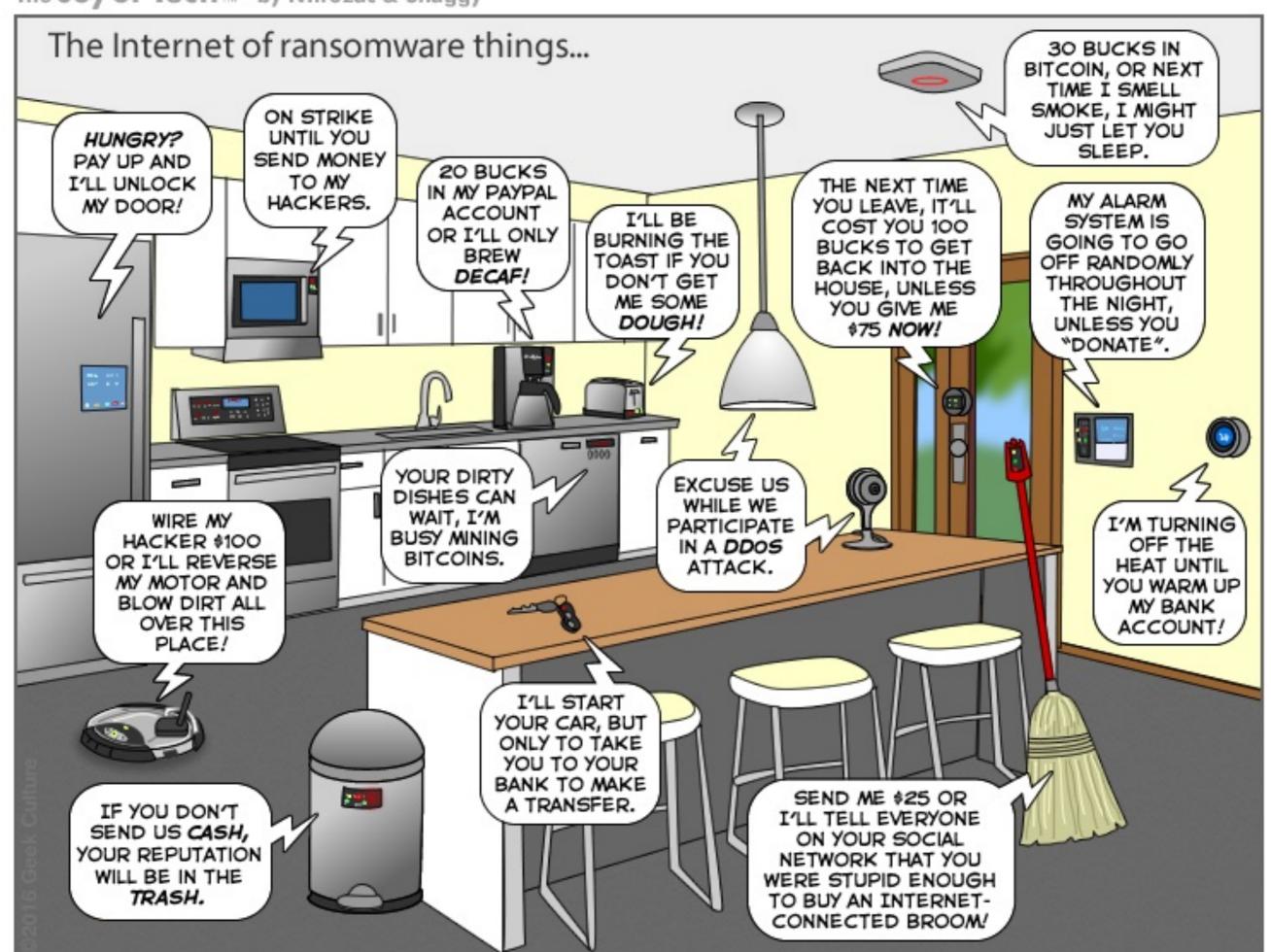












Q&A

https://spin.sidnlabs.nl https://github.com/sidn/spin

Elmer Lastdrager

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