Open challenges in deploying IoT Security

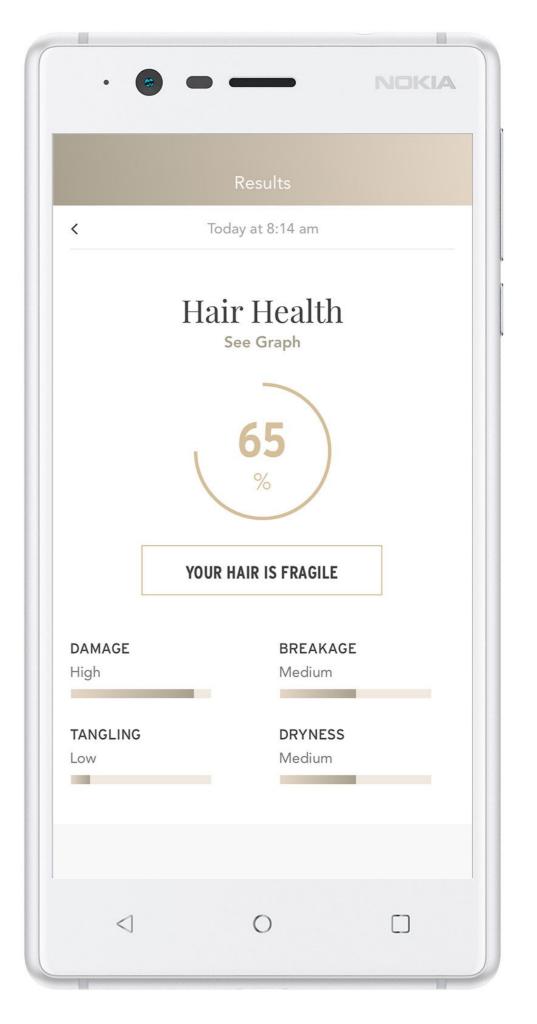
Elmer Lastdrager

12 February 2020













SMALT with voice

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



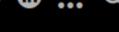


Bring the flavor

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







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Home > Security > Cybercrime & Hacking



SECURITY IS SEXY

By Darlene Storm, Computerworld | FEB 2, 2015 12:09 PM PT

About ⊢ 5

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

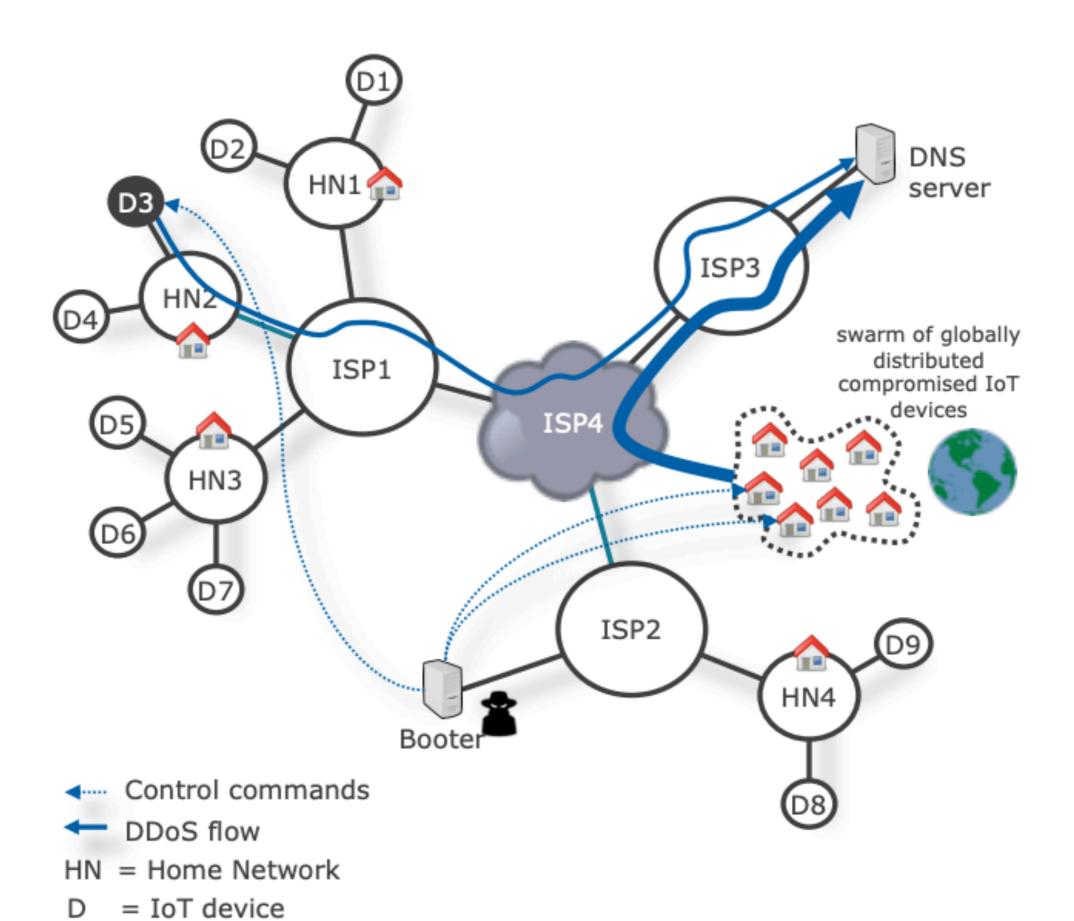
Hacker strikes again: Creep hijacks baby monitor to scream at infant and...



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



Eerie music coming from wireless baby cam: is it a

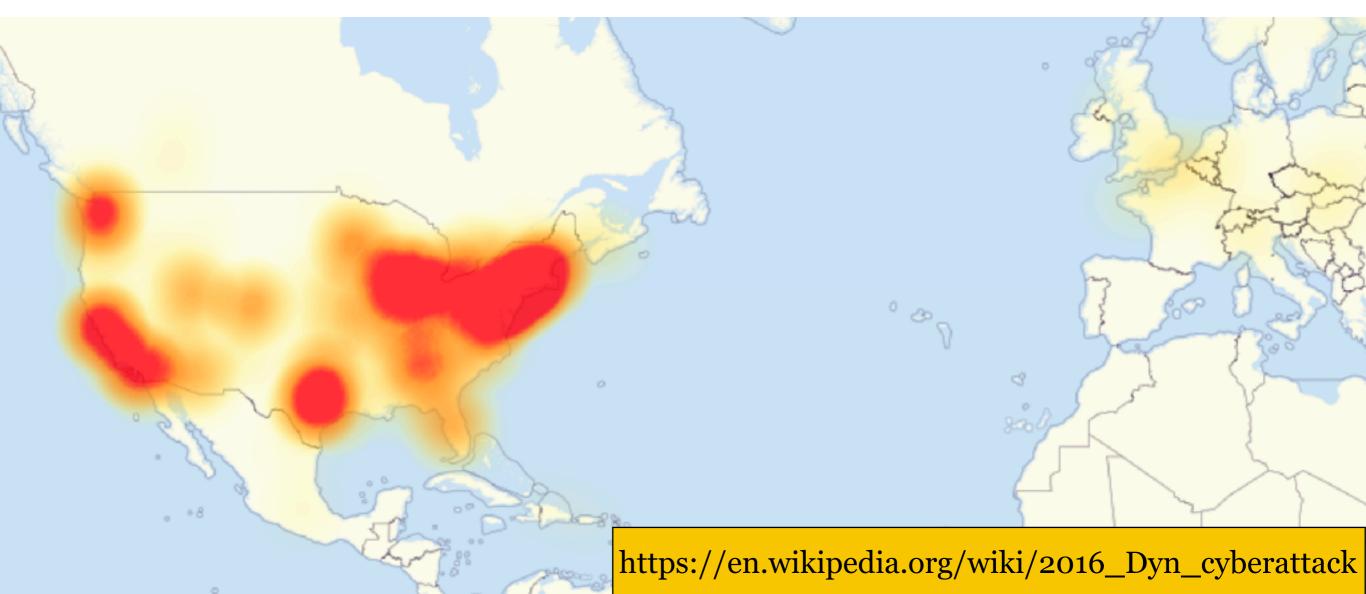


SLIDESHOW

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



NETFLIX (EX



WIRED









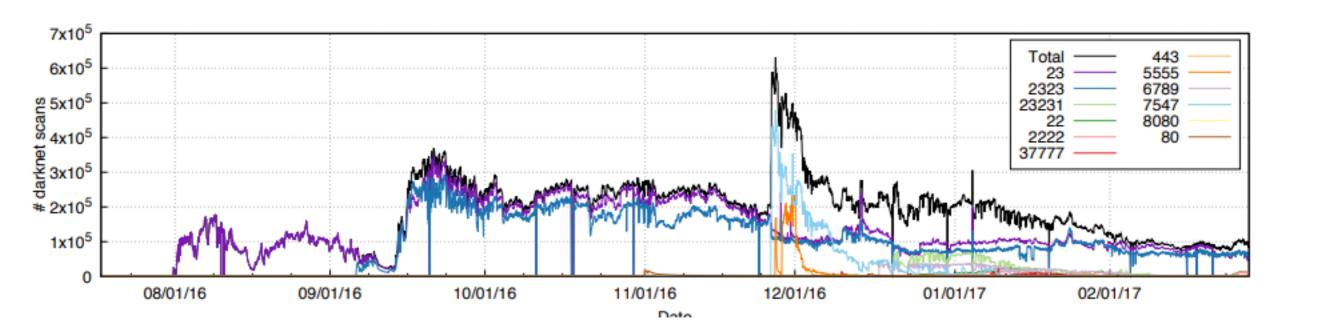


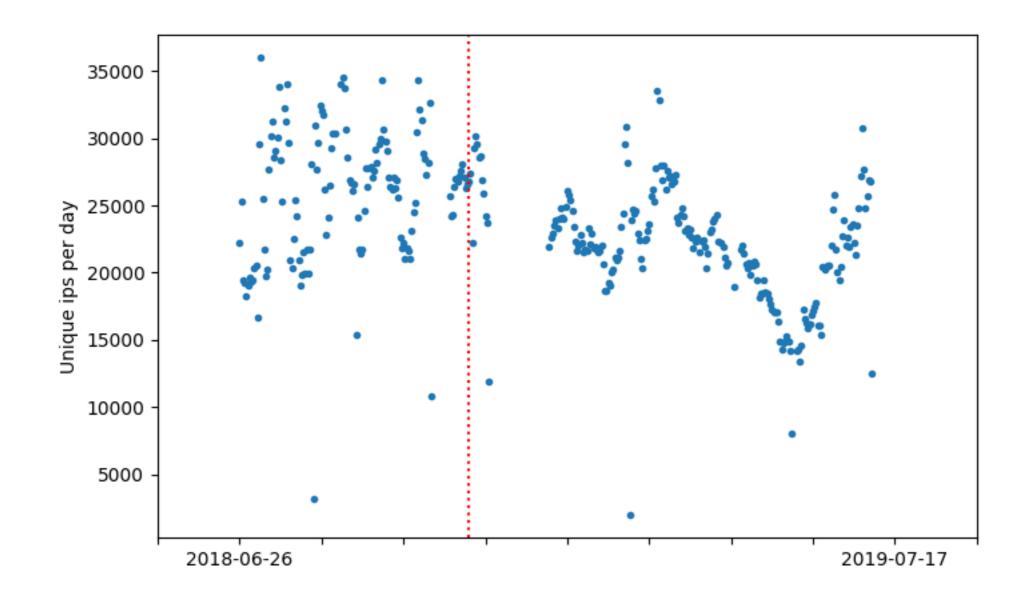


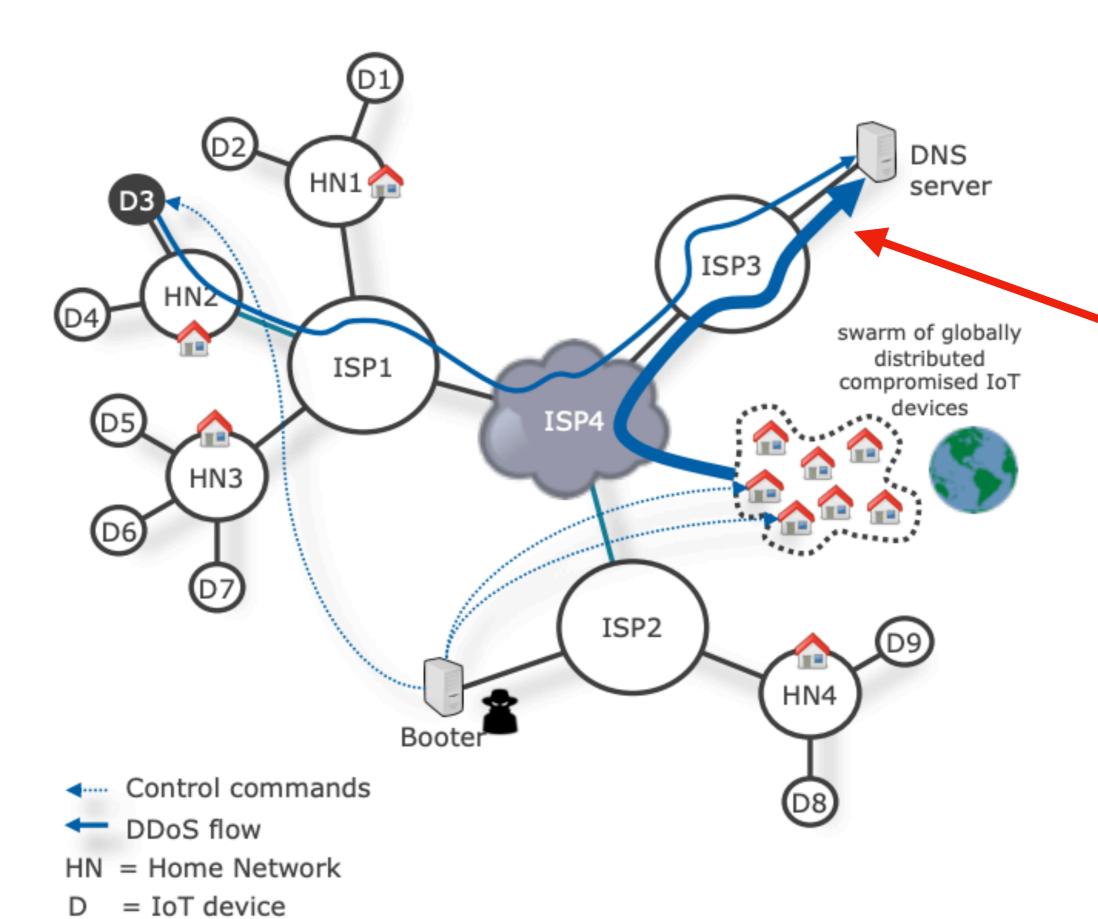


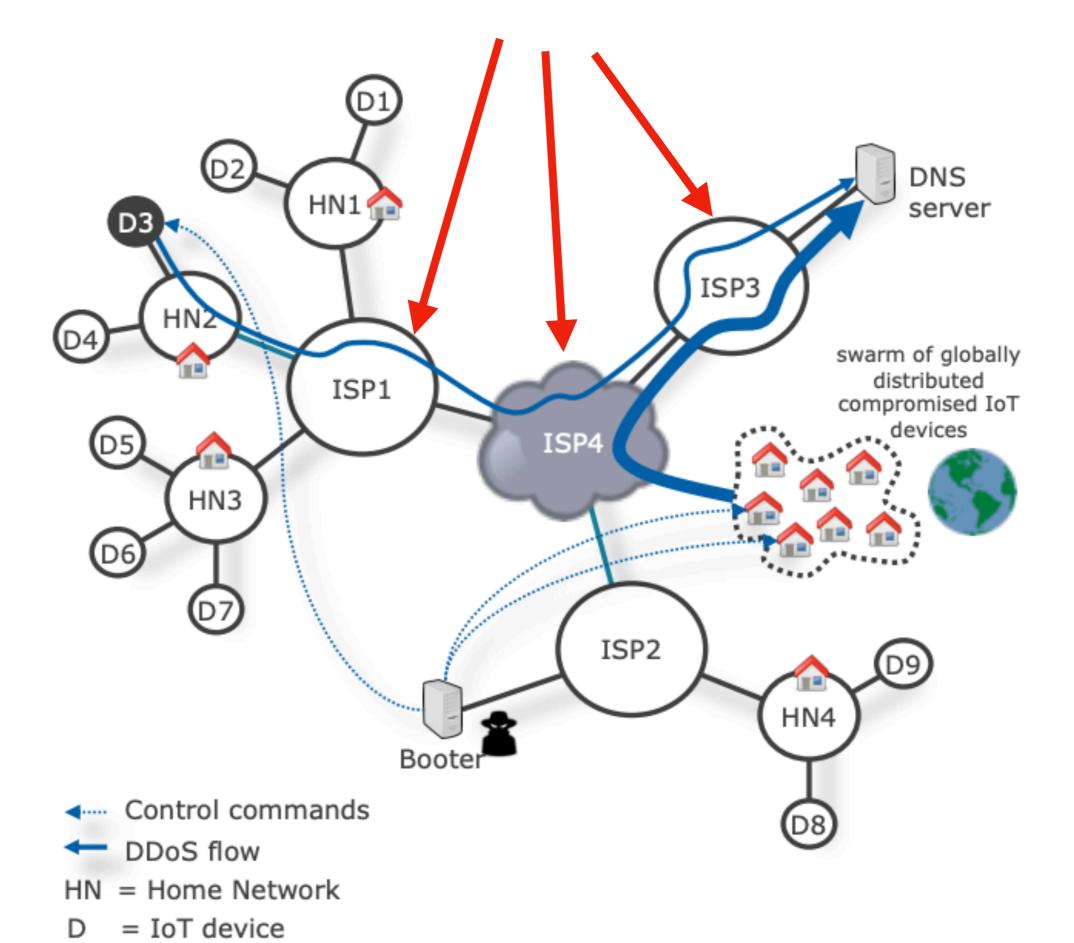


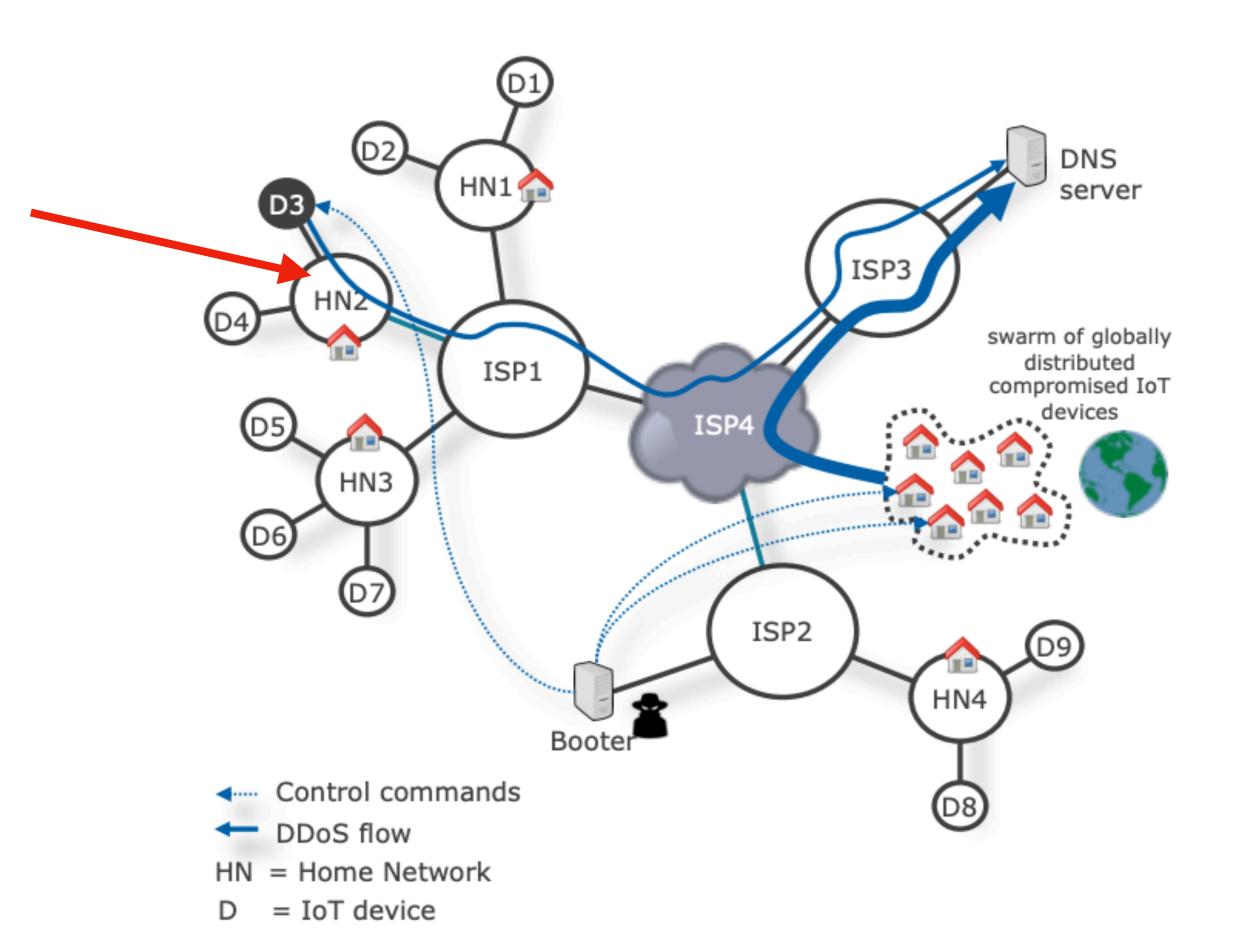


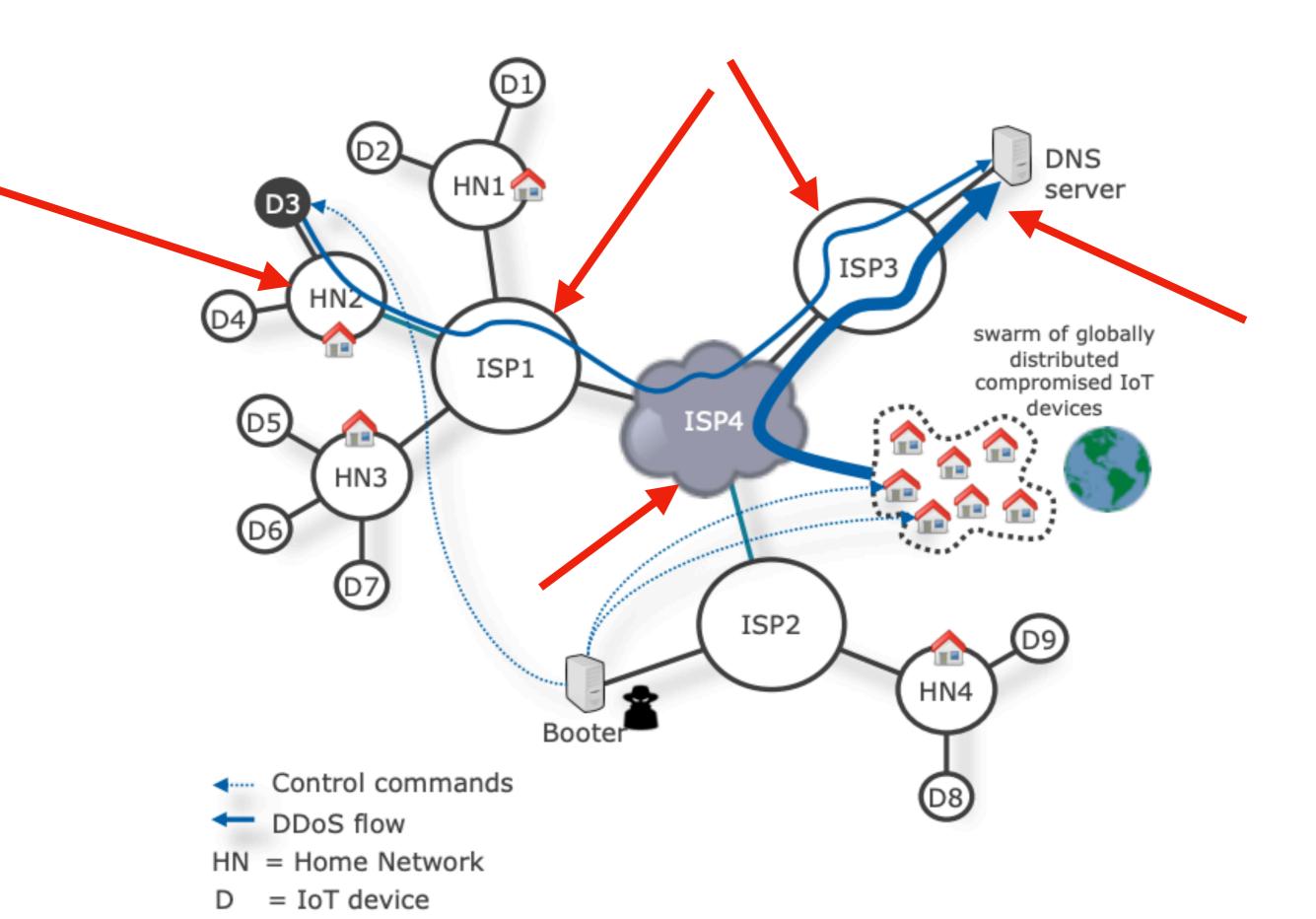




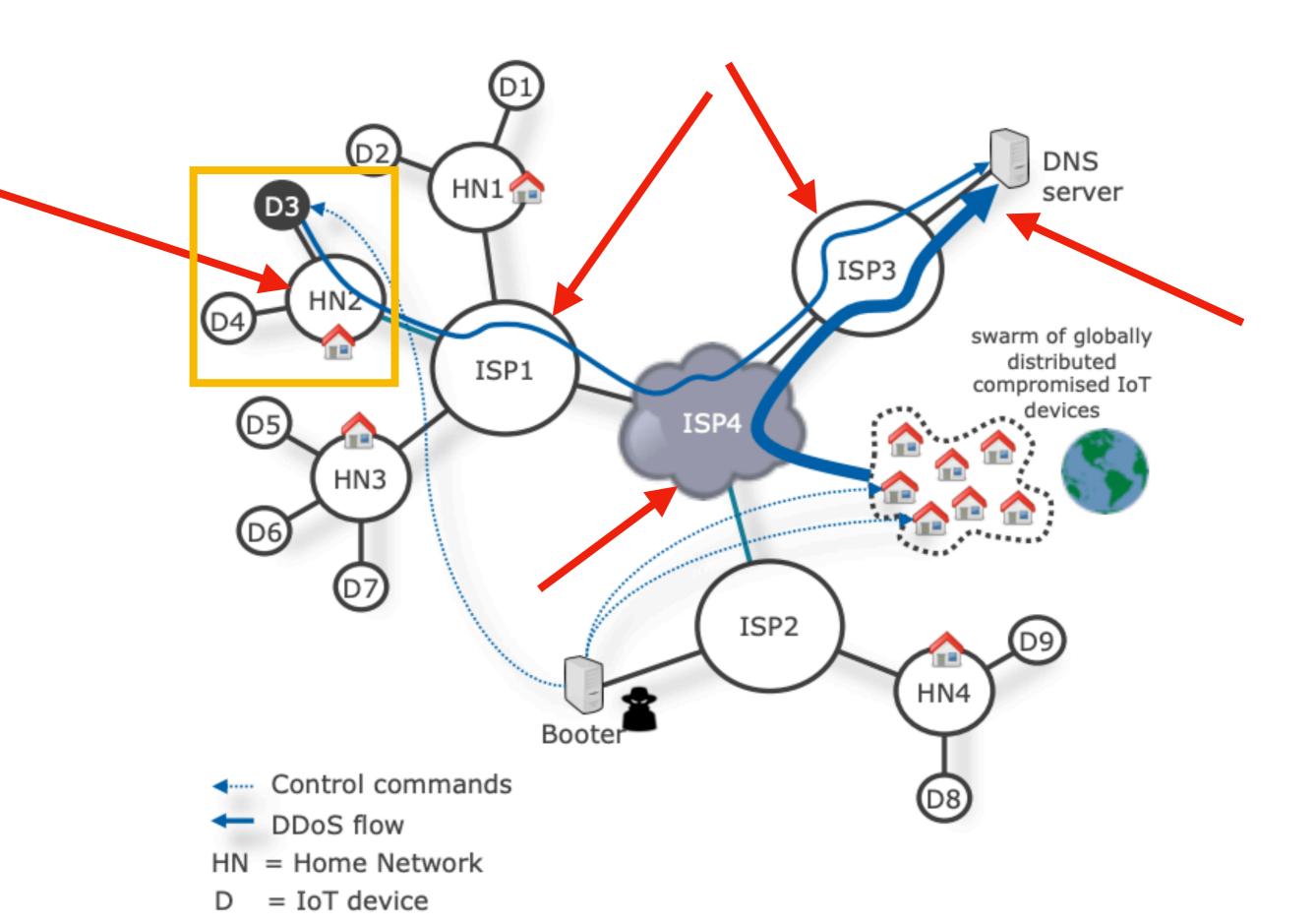






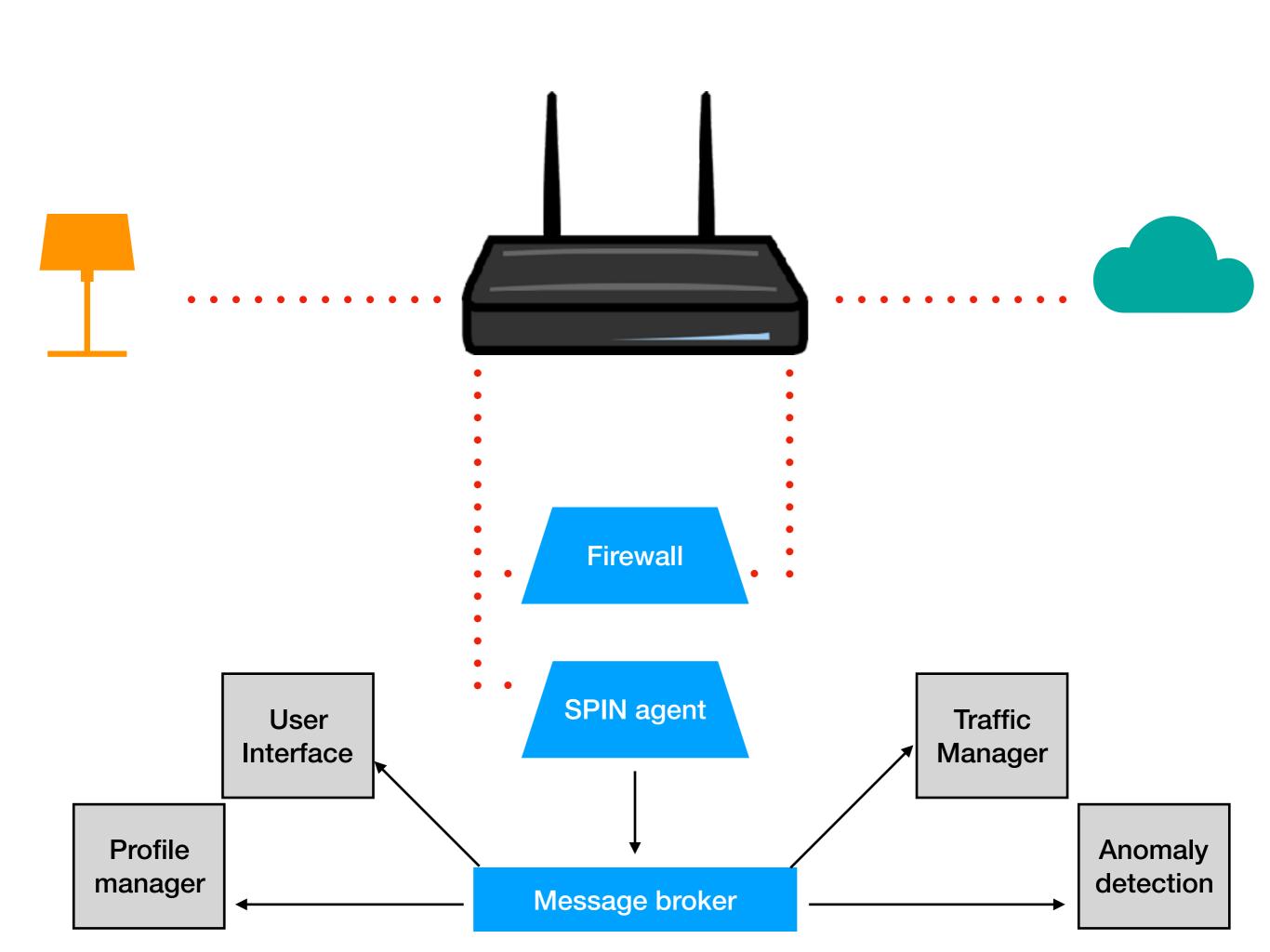






Security and Privacy for In-home Networks (SPIN)





[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

DDoS signalling plane

DDoS post-mortem plane

Traffic plane

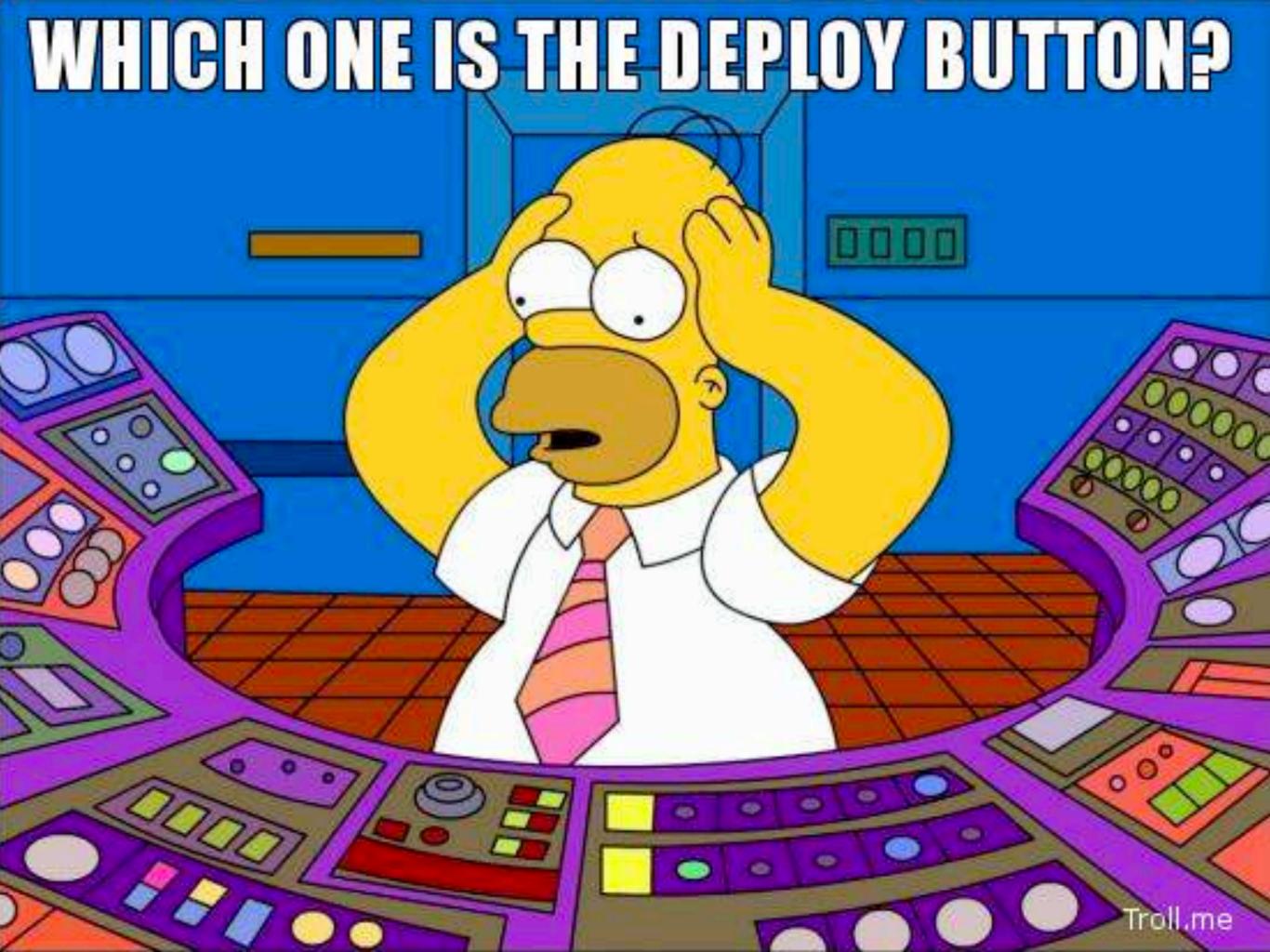
Server

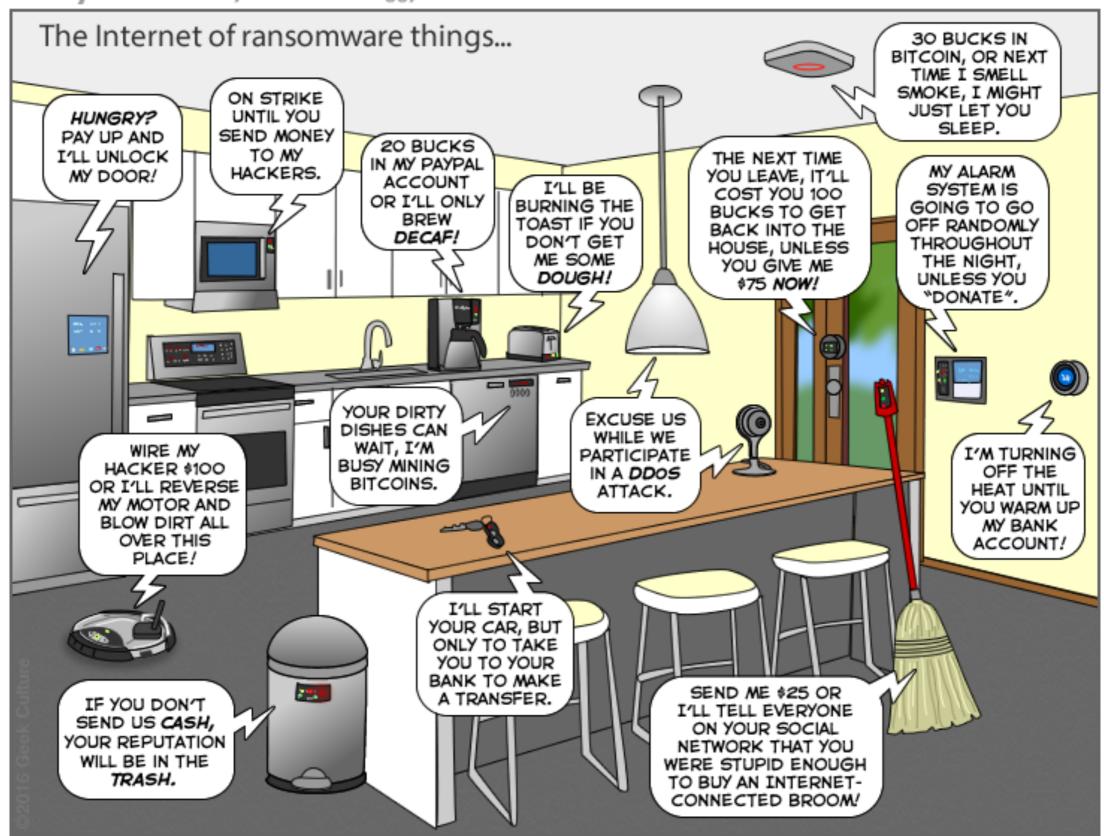
High speed Semi-real time Slow

Dataset









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https://spin.sidnlabs.nl

