

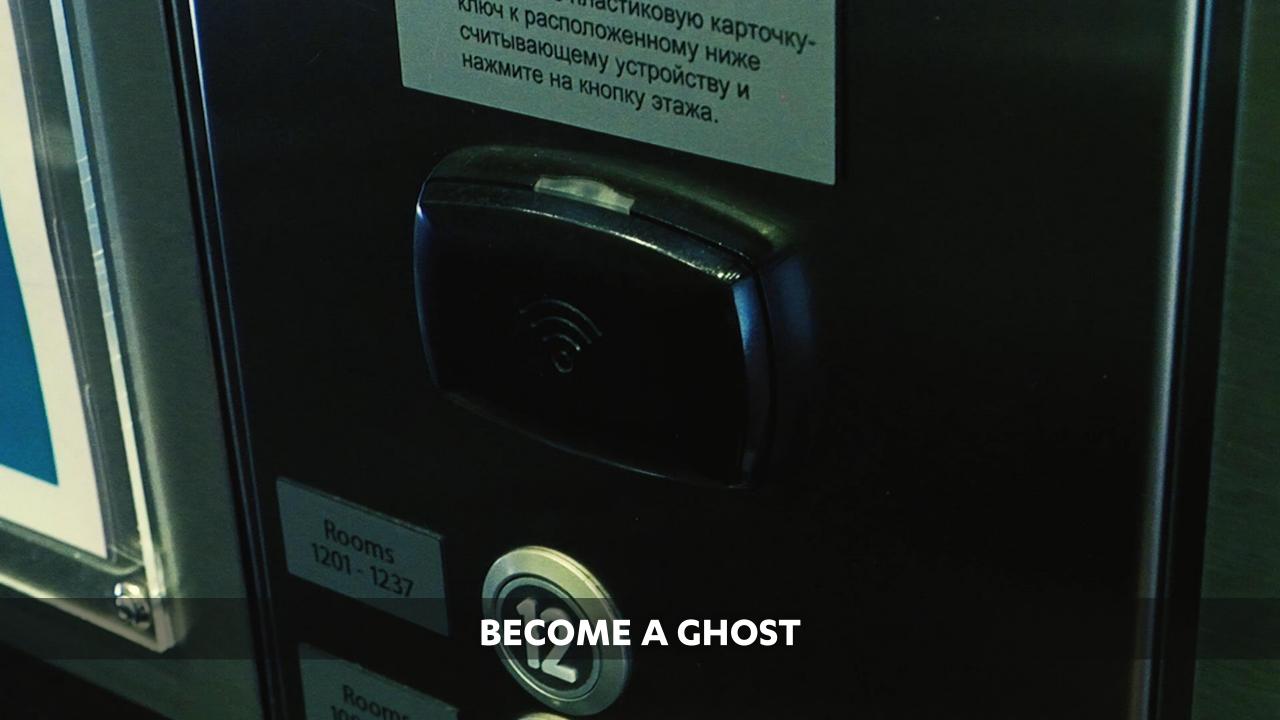






READ ANY CURRENT OR EXPIRED KEY





IMPACT



source: https://www.assaabloyhospitality.com/



Solutions Case Studies & References About Us Press Room

Case Studies and References from Hospitality Providers

ASSA ABLOY Hospitality has provided solutions to a range of Hotels and Hospitality providers worldwide. Click on any of the Hotel Logos below to see how our solutions and products have changed the way hotels interact with their customers.





















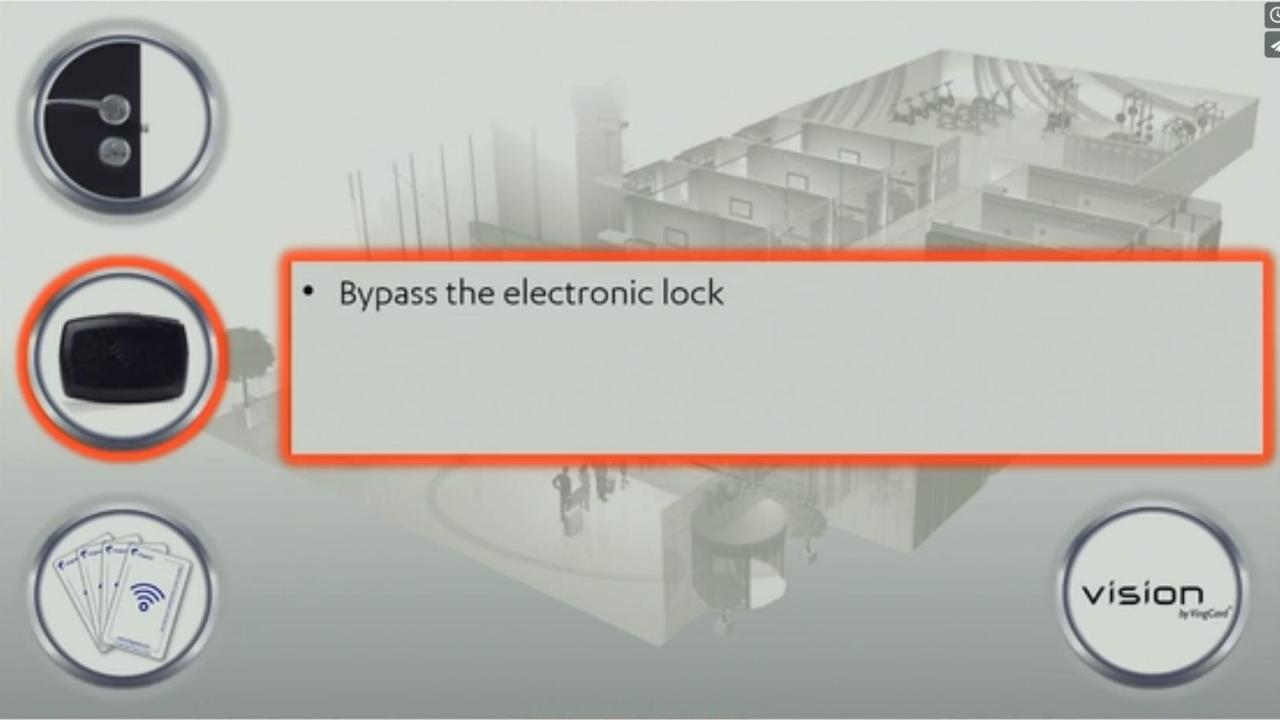














Main page

Featured content

Current events Random article

Wikipedia store

About Wikipedia Community porta Recent changes

Contact page

Tools

Interaction

Contents

Article Talk

Edit View history

Search Wikipedia

Assassination of Mahmoud Al-Mabhouh

From Wikipedia, the free encyclopedia

The assassination of Mahmoud Al-Mabhouh (Arabic: סבספר المبحوح, Maḥmūd al-Mabḥūḥ; 14 February 1961 – 19 January 2010) was an assassination that took place on 19 January 2010, in a hotel room in Dubai, United Arab Emirates. Al-Mabhouh—a co-founder of the Izz ad-Din al-Qassam Brigades, the military

Assassination of Mahmoud Al-Mabhouh

A readout of activity that took place on the hotel room's electronic door lock indicated that an attempt was made to reprogram al-Mabhouh's electronic door lock at this time. [citation needed] The investigators believe that the electronic lock on al-Mabhouh's door may have been reprogrammed and that the killers gained entry to his room this way.[41] The locks in question, VingCard Locklink brand,[42] can be

accessed and reprogrammed directly at the hotel room door.

What links here Related changes Upload file Special pages Permanent link Page information

Wikidata item Cite this page

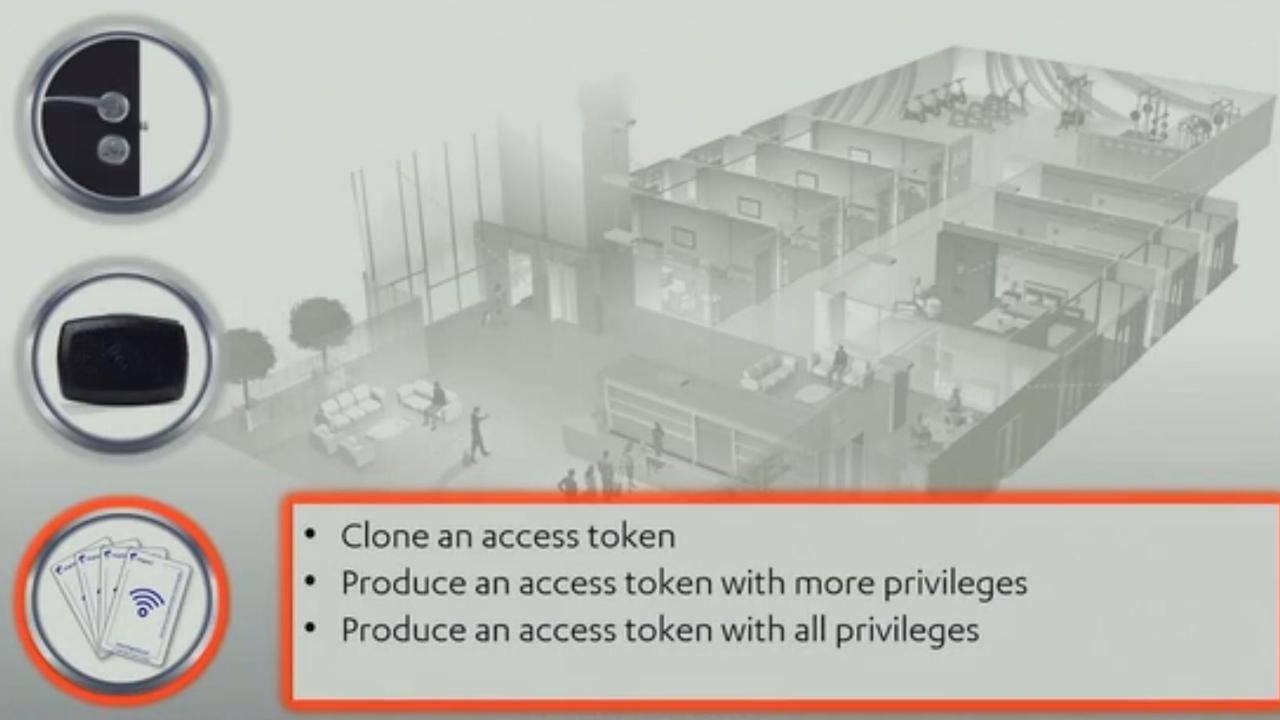
Print/export

According to initial reports, Al-Mabhouh was drugged, [9] then electrocuted and suffocated. [5] Lt. Gen. Dhahi Khalfan Tamim of the Dubai Police Force said the suspects tracked Al-Mabhouh to Dubai from Damascus, Syria. They arrived from different European destinations and stayed at different hotels, presumably to avoid being detected and, with the exception of three of its members suspected of "helping to facilitate" who had left on a ferry for Iran several months before the assassination, departed after the assassination to different countries. [2][5] Dubai's police chief said that he was "99% certain" that the assassination was the work of Israel's Mossad. On 1 March 2010, he stated that he was "sure" that all of the suspects are hiding in Israel. [10][11] He said that Dubai would ask for an arrest warrant to be issued for Meir Dagan, the head of Mossad, if it is confirmed that the Mossad is involved and responsible for the assassination. [12] The Hamas leadership also holds Israel responsible, and has vowed revenge.[13] Hamas, which is itself on the US and EU lists of terrorist organizations (and also

considered a terrorist organization by the governments of Israel, [14] and Japan, [15] as is its military arm by the United Kingdom [16] and Australia [17]), requested that Israel be added by the EU to its list because of suspicions that Israel was involved in the assassination. [18] However, later in March, Dubai police chief said, "I am now completely sure that it was Mossad", and went on to say "I have presented

Attack type Assassination Weapons Pillow, muscle relaxant Deaths Perpetrators 33 people, using forged and fraudulently obtained passports Suspected Mossad perpetrator





INTERNATIONAL STANDARD

ISO/IEC 14443-2

> INTERNATIONAL STANDARD

ISO/IEC 14443-3

Identification integrated cir cards —

Part 2: Radio freque

Cartes d'identification Cartes de proximité —

Partie 2: Puissance de

Identification integrated circ cards —

Part 3: Initialization a

Cartes d'identification -Cartes de proximité -

Partie 3: Initialisation et

MF0ULx1

MIFARE Ultralight EV1 - Contactless ticket IC

Rev. 3.1 — 30 June 2014 234531 Product data sheet COMPANY PUBLIC

1. General description

NXP Semiconductors developed the contactless smart ticket, smart can Device (PCD). The MF0ULx1 is de environment (see Ref. 1). The targ in public transportation networks, is serves as a replacement for conversing magnetic stripe tickets or coins. It is card families such as MIFARE DEt.

The MIFARE Ultralight EV1 is succ functional backwards compatible. I efficient implementations and offer

The mechanical and electrical spei meet the requirements of inlay and

1.1 Contactless energy and da

in a contactiess system, the MF0U MF0ULx1 fits the TFC.0 (Edmonds Ref. 8.

The MF0ULx1 chip, which is availa supports both TFC.1 and TFC.0 tic

1.2 Anticollision

An intelligent anticollision function simultaneously. The anticollision at the execution of a transaction with interference from another card in til

MF0ICU1

MIFARE Ultralight contactless single-ticket IC

Rev. 3.9 — 23 July 2014 028639 Product data sheet COMPANY PUBLIC

1. General description

The MIFARE MFOICU1 has been developed by NXP Semiconductors to be used in a contactless smart ticket or smart card in combination with a Proximity Coupling Devices (PCD) in accordance with ISO/IEC 14443 A (see Ref. 1). It is intended for use as single trip or limited use tickets in public transportation networks, loyalty cards or day passes for events as a replacement for conventional ticketing solutions such as paper tickets, magnetic stripe tickets or coins.

As the usage of contactless proximity smart cards becomes more and more common, transport and event operators are switching to completely contactless solutions. The introduction of the MIFARE Ultralight for limited use tickets may lead to a reduction of system installation and maintenance costs. Terminals may be less vulnerable to damage and mechanical failures caused by ticket jams. MFOICU1 can easily be integrated into existing schemes and even standard paper ticket vending equipment can be upgraded. This solution for low cost tickets can help operators to reduce the circulation of cash within the system.

The mechanical and electronical specifications of MIFARE Ultralight are tailored to meet the requirements of paper ticket manufacturers.

1.1 Contactless energy and data transfer

In the MIFARE system, the MF0ICU1 is connected to a coil with a few turns. The MF0ICU1 fits the TFC 0 (Edmondson) and TFC 1 (ISO) ticket formats as defined in BS



[10] Patent Number:

[47] Date of Patent: Mar. 30, 1983.

5,198,643

DISC ADAPTABLE ELECTROPIC KEY AND LOCK

United States Patent :-

STATESTAND [75] Streeten Namp C. Miros, Royal Oak, Years. E. Neff, Birmingham, both of Moth.

[75] Adoptor Computationi Security Statems, Inc., Twos: Mich.

DIC AND NO MEMO

Miron et al.

DISTRICTOR IN DATE SHOW \$64.965, \$10.765.5 275/945, MI.S. DKI

Pat. 26, 1991

Reference Clad

U.S. PATIENT DOCUMENTS.

| 79 | Donald et al. | TOU-THE |
|----|-----------------|----------|
| 8 | Spent of all | |
| э | Cereatores | D9-9 |
| | British at al. | BN/4 |
| | Count | Dis-N |
| , | Sections at al | |
| | Represent et al | - Die |
| ж | Crach e al. | - B5-9 |
| ж | Owner of di | BPs/M |
| | Relies | EN-NO |
| | Drew of al | District |

Atomic April or Free-Robing, Ethington, Benard, Perry & Milton.

ABSTRACT

A leaking system is atilized to control the looking and militating of a last, such as on a door. The last inchadre a magnetic card reader for reading a cooled lary. pard into a look company which in turn determines functions of and access to the bolt. The key card inchades at key code, key broad code, and key record more her stood therein. The bolt includes a memory arcount by the computer which is partitioned and in-cludes a lovel stronge area with level records absorbed by a look level costs and operational adversarios for the bred, and a key stronge arm for storing look key soseeth abscribed by a lock record member and associated with at least our took level for storing key information. provised with the record auster. The computer righdates when cord by reading and comparing the key level code to the lock level code to determine the level and the key record mustber to one of the balk record must here identified with the level in the key storage area. The key code is representative of a real time based on time of assumon, and validation occurs for comparing a book time to the key code. Additional functions include group past codes, bank processing, and extensive so-sending times.

36 Chins, 10 Dearing Shorts

 PROP. NUMBER . KEY REC. . NEW KEY D/T EXP DATE OFFS. · EXP TIME . DUPL. KEY I.D. SEQ * /COMBIN. . INVALID DAYS RASS AUTHOR. OPEN/NON-OP OVERRIDE DEADBLT

DATE SET

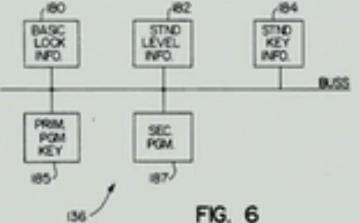
STATUS REG

LAST MOTOR

SW POS.

REG

176



CURRENT

REG

IN EFFECT

REG.

100%

INFO

DATE SET

REG.

172

STATUS

REG

LATOH

MODE

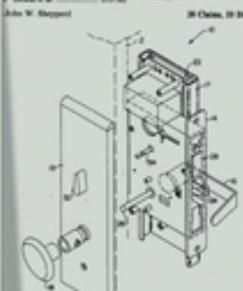
REG

173

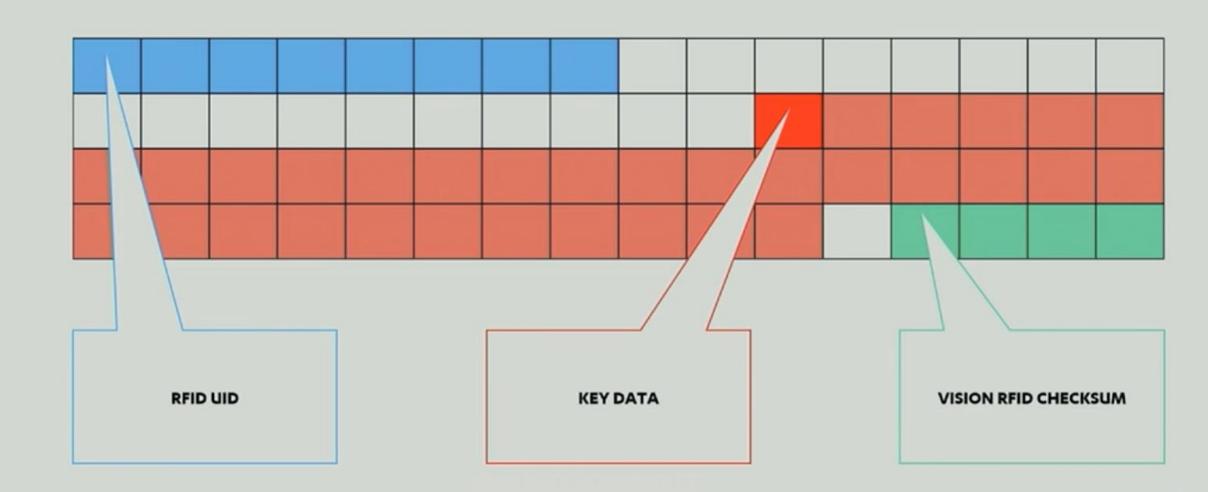
FIG. 5

*LEVEL CODE

*KEY TYPE



KEY DATA ILLUSTRATED V2



BRUTEFORCING 1/SECOND

| 4 bits | 8 bits | 12 bits | 16 bits |
|------------|-----------|---------|----------|
| 16 seconds | 4 minutes | 1 hour | 18 hours |

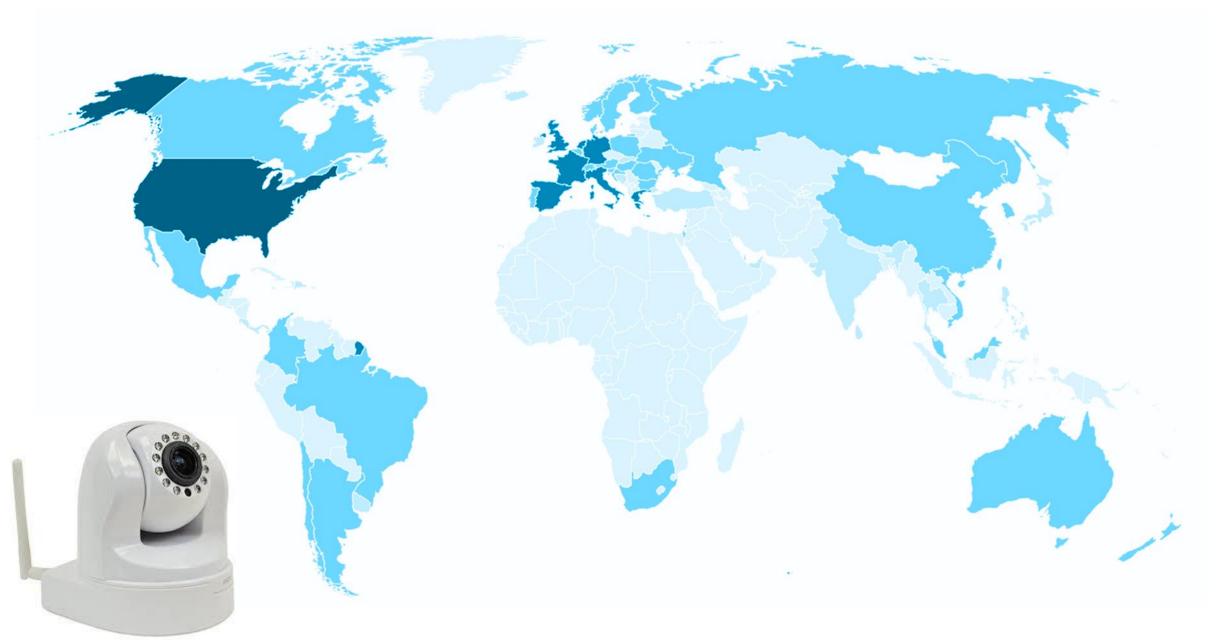
BRUTEFORCING 1/SECOND

| 20 bits | 24 bits | 28 bits | 32 bits |
|---------|----------|---------|-----------|
| 12 days | 6 months | 8 years | 138 years |







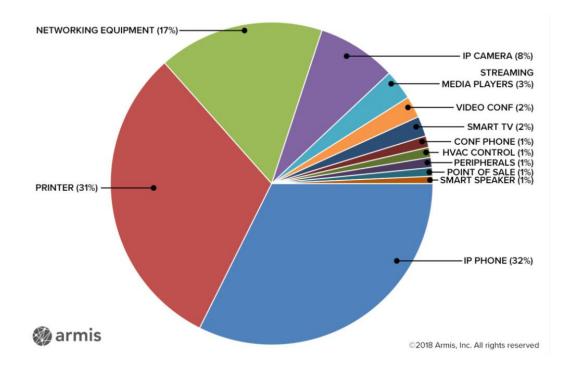




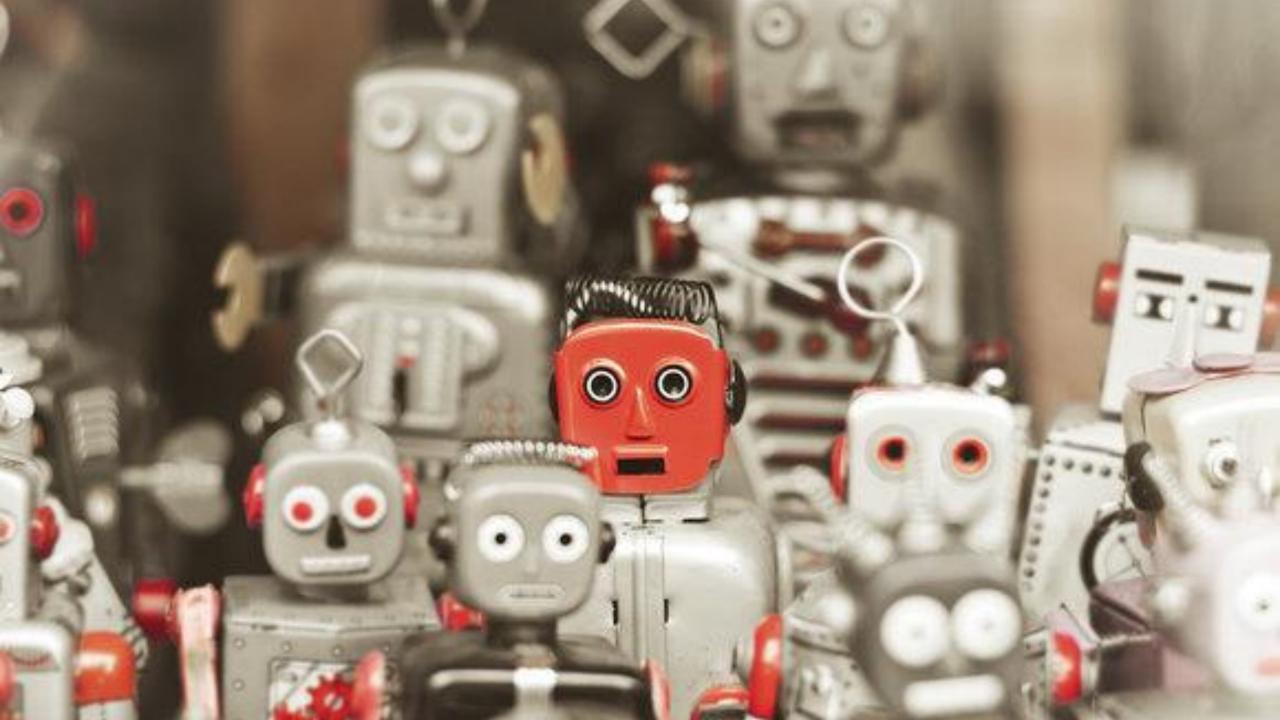


| /ulnerable device nanufacturers¹ | Representative manufacturers | Estimated number of vulnerable devices, worldwide ² | |
|---|--|--|--|
| 87% of switches, routers, and access points | Aruba Avaya Cisco Dell Extreme Netgear | 14 million | |
| 78% of streaming media players/speakers | Apple Google Roku Sonos | 5.1 million | |
| 77% of IP phones | Avaya Cisco NEC Polycom | 124 million | |
| 75% of IP cameras | Axis Communications GoPro Sony Vivotek | 160 million | |
| 66% of printers | Hewlett Packard Epson Konica Lexmark Xerox | 165 million | |
| 57% of smart TVs | Roku-integrated Samsung Vizio | 28.1 million | |

DNS REBIND ATTACK



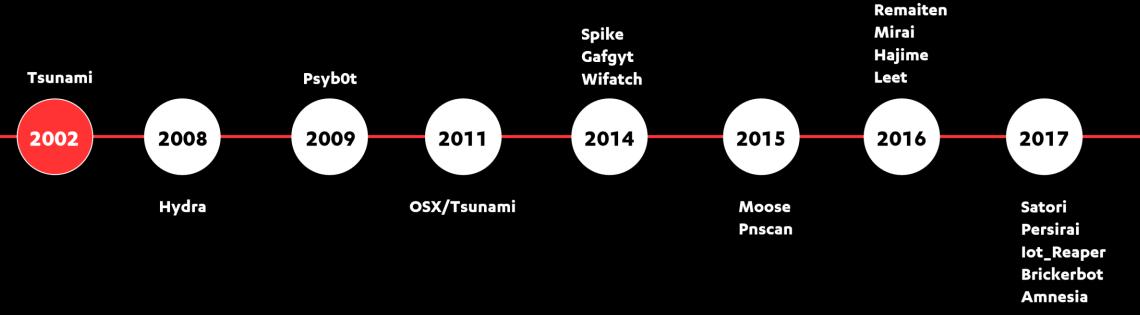




OTTHREAT LANDSCAPE

Torai
Hide N' Seek
Satori CoinRobber
ADB.Miner
Mushtik
Prowli
GoScanSSH
VPNFilter
Anarchy
Death
Hakai

2018

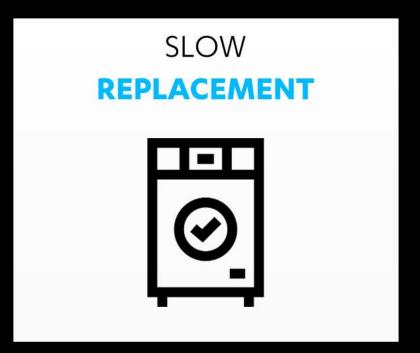




GARTNER: THE THREE MAIN SECURITY ISSUES WITH CONNECTED HOME DEVICES









THREAT ACTORS



CYBER CRIMINALS

They want to steal money. Doesn't matter from whom.



HACKTIVISTS

They have a political or ideological agenda, and want publicity.



STATE ACTORS

They create Malware. Mass collection of user data



OK, SO WHAT NOW?



THE 5 RULES

- 1. No updates = no Internet
- 2. Force default password change
- 3. Patch
- 4. Bug bounty
- 5. Map your attack surface



AIDRIVEN 3-LAYER CYBER SECURITY

ENDPOINT PROTECTION

