

[Features](#)[Business](#)[Explore](#)[Marketplace](#)[Pricing](#)[This repository](#)[Sign in](#) or [Sign up](#) [nebgnahz](#) / [awesome-iot-hacks](#) Watch

75

 Star

644

 Fork

165

 Code Issues 0 Pull requests 0 Projects 0 Insights

Join GitHub today

GitHub is home to over 20 million developers working together to host and review code, manage projects, and build software together.

[Sign up](#)

Dismiss

A Collection of Hacks in IoT Space so that we can address them (hopefully).

[awesome](#)[iot](#)[security](#)[hack](#) 47 commits 1 branch 0 releases 4 contributors MITBranch: **master** ▾[New pull request](#)[Find file](#)[Clone or download ▾](#)[nebgnahz](#) committed on Aug 28, 2017 Add the 2015 Rifle hack ...

Latest commit 2e0b81a on Aug 28, 2017

 [LICENSE](#)

Initial commit

3 years ago

Awesome IoT Hacks

A curated list of hacks in IoT space so that researchers and industrial products can address the security vulnerabilities (*hopefully*).

The table of content is generated with [doctoc](#). Make sure you run it and update the table of content before making pull requests.

Contents

- [Analysis, Reports and Slides](#)
- [Communities](#)
- [IoT Hacks](#)
 - [Thingbots](#)
 - [RFID](#)
 - [Home Automation](#)
 - [Connected Doorbell](#)
 - [Hub](#)
 - [Smart Coffee](#)
 - [Wearable](#)
 - [Smart Plug](#)

- [Cameras](#)
- [Traffic Lights](#)
- [Automobiles](#)
- [Airplanes](#)
- [Light Bulbs](#)
- [Locks](#)
- [Smart Scale](#)
- [Smart Meters](#)
- [Pacemaker](#)
- [Thermostats](#)
- [Fridge](#)
- [Media Player & TV](#)
- [Rifle \(Weapon\)](#)
- [Toilet](#)
- [Toys](#)

Analysis, Reports and Slides

- [Internet of Things Research Study \(HP 2014 Report\)](#)
- [The Internet of Fails](#), ([video](#))
- [Cameras, Thermostats, and Home Automation Controllers, Hacking 14 IoT Devices](#)
- [Hack All The Things: 20 Devices in 45 Minutes](#) - ([wiki](#), [video](#))
- [Careful Connections: Building Security in the Internet of Things \(FTC\)](#)

Communities

- [IoT Village™](#)
- [BuildItSecure.ly](#)
- [Secure Internet of Things Project \(Stanford\)](#)
- [The Open Web Application Security Project \(OWASP\)](#)

IoT Hacks

Thingbots

- [Proofpoint Uncovers Internet of Things \(IoT\) Cyberattack](#)

RFID

- [Vulnerabilities in First-Generation RFID-enabled Credit Cards](#)
- [MIT Subway Hack Paper Published on the Web](#)
- [Tampered Card Readers Steal Data via Bluetooth](#)

Home Automation

- [IOActive identifies vulnerabilities in Belkin WeMo's Home Automation](#)
- [Cameras, Thermostats, and Home Automation Controllers, Hacking 14 IoT Devices](#)
- [Popular Home Automation System Backdoored Via Unpatched Flaw](#)

Connected Doorbell

- [CVE-2015-4400: Backdoorbot, Network Configuration Leak on a Connected Doorbell](#), (video)

Hub

- [TWSL2013-023: Lack of Web and API Authentication Vulnerability in INSTEON Hub](#)

Smart Coffee

- [Reversing the Smarter Coffee IoT Machine Protocol to Make Coffee Using the Terminal](#)

Wearable

- [How I hacked my smart bracelet](#)

Smart Plug

- [Hacking the D-Link DSP-W215 Smart Plug](#)
- [Reverse Engineering the TP-Link HS110](#)
- [Hacking Kankun Smart Wifi Plug](#)
- [Smart Socket Hack Tutorial](#)

Cameras

- [Trendnet Cameras - I always feel like somebody's watching me](#)
- [Hacker Hotshots: Eyes on IZON Surveilling IP Camera Security](#)
- [Cameras, Thermostats, and Home Automation Controllers, Hacking 14 IoT Devices](#)
- [Hacker 'shouts abuse' via Foscam baby monitoring camera](#)
- [Urban surveillance camera systems lacking security](#)

- [TWSL2014-007: Multiple Vulnerabilities in Y-Cam IP Cameras](#)
- [Say Cheese: a snapshot of the massive DDoS attacks coming from IoT cameras](#)
- [Samsung SmartCam install.php Remote Root Command Exec](#)

Traffic Lights

- [Green Lights Forever: Analyzing The Security of Traffic Infrastructure](#)
- [Hacking US \(and UK, Australia, France, etc.\) Traffic Control Systems](#)

Automobiles

- [Hackers Remotely Attack a Jeep on the Highway](#)
- [Comprehensive Experimental Analyses of Automotive Attack Surfaces](#)

Airplanes

- [Hackers could take control of a plane using in-flight entertainment system](#)

Light Bulbs

- [Hacking into Internet Connected Light Bulbs](#)
- [Hacking Lightbulbs: Security Evaluation Of The Philips Hue Personal Wireless Lighting System](#)
- [IoT Goes Nuclear: Creating a ZigBee Chain Reaction](#)
- [Extended Functionality Attacks on IoT Devices: The Case of Smart Lights](#)

Locks

- [Lockpicking in the IoT](#)

Smart Scale

- [Fitbit Aria Wi-Fi Smart Scale](#)

Smart Meters

- [Solar Power Firm Patches Meters Vulnerable to Command Injection Attacks](#)

Pacemaker

- [Pacemakers and Implantable Cardiac Defibrillators: Software Radio Attacks and Zero-Power Defenses](#)

Thermostats

- [Cameras, Thermostats, and Home Automation Controllers, Hacking 14 IoT Devices](#)
- [Google Nest: Exploiting DFU For Root](#)
- [Smart Nest Thermostat, A Smart Spy in Your Home](#)
- [TWSL2013-022: No Authentication Vulnerability in Radio Thermostat](#)

Fridge

- [Proofpoint Uncovers Internet of Things \(IoT\) Cyberattack - Spam emails from fridges.](#)
- [Hacking Defcon 23'S IoT Village Samsung Fridge](#)

Media Player & TV

- [Breaking Secure-Boot on the Roku](#)
- [Google TV Or: How I Learned to Stop Worrying and Exploit Secure Boot](#)
- [Chromecast: Exploiting the Newest Device By Google](#)

- [Ransomware Ruins Holiday By Hijacking Family's LG Smart TV on Christmas Day](#)

Rifle (Weapon)

- [Hacking a IoT Rifle - BlackHat 2015 - 36 slides](#)
- [Hackers Can Disable a Sniper Rifle—Or Change Its Target - Wired 2015](#)

Toilet

- [TWSL2013-020: Hard-Coded Bluetooth PIN Vulnerability in LIXIL Satis Toilet](#)

Toys

- [TWSL2013-021: Multiple Vulnerabilities in Karotz Smart Rabbit](#)
- [Fisher-Price smart bear allowed hacking of children's biographical data \(CVE-2015-8269\)](#)
- [Hello Barbie Initial Security Analysis](#)
- [Security researcher Ken Munro discovers vulnerability in Vivid Toy's talking Doll 'Cayla'](#)
- [Data from connected CloudPets teddy bears leaked and ransomed, exposing kids' voice messages](#)

