

Kennisdeling, Projecten en Conferenties

22 november 2017

Welkom

- * Dank aan Sigmax voor het hosten van dit event.
- * Vorige keer hebben we de projecten besproken en wat de plannen zijn voor de toekomst.



Wat gaan we doen vandaag?

- * Kleine status update projecten.
 - * Speciale aandacht voor project Peilbuizen
- * Kennisdeling over IoT door Jan W. Veltman
- * Conferenties

Status update projecten

Peilbuizen (1)



Peilbuizen (2)



Presentatie IoT

Jan W. Veltman

**LIGHTNING
ROUND**

Conferenties

Past events

- * TTN Apeldoorn Meetup
 - * “LoRa - kwetsbaarheden in security?”
 - * <https://www.meetup.com/LoRa-Network-in-Apeldoorn-Growing-Meetup/events/244447040/>
- * CTIT Symposium
 - * “IoT is ready what about us?”
 - * <https://www.utwente.nl/ctit/symposium2017/>

TTN Apeldoorn (1)

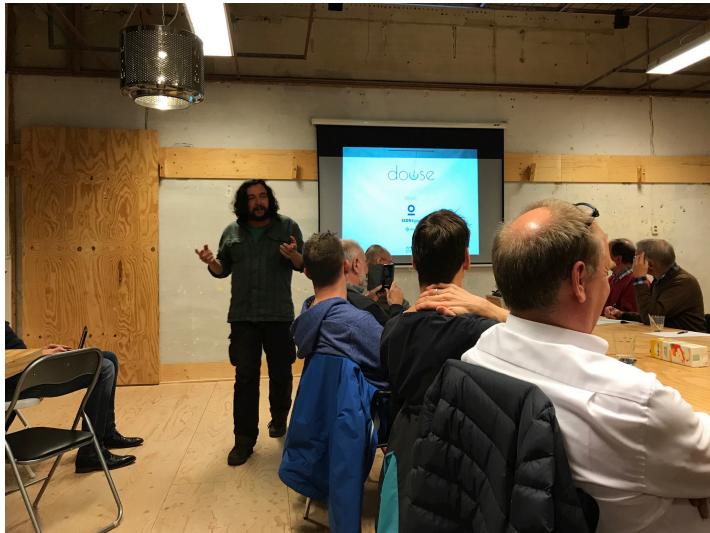
- * Presentatie van Remko over LoRa security.



- * Gist:
 - * Gebruik geen ABP maar OTAA.
 - * Framecounter moet op de device worden bijgehouden in 1.1
 - * Meer sleutels in 1.1
 - * **Houd je aan de duty cycle!**

TTN Apeldoorn (2)

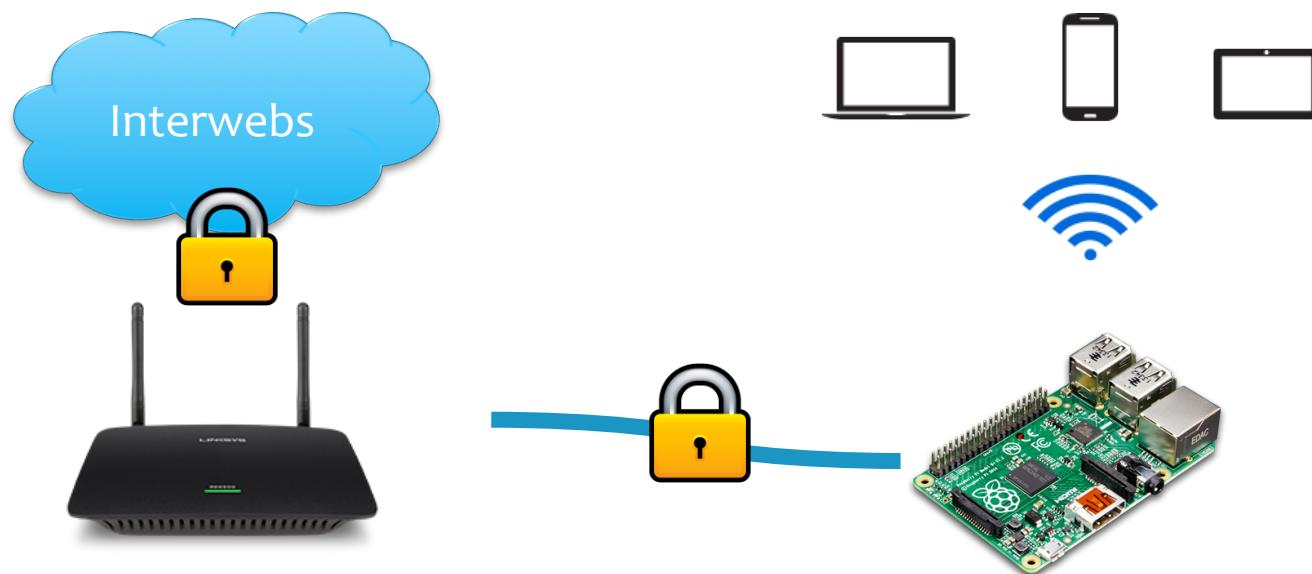
- * Presentatie van Federico "fredd" Bonelli over Dowse (<http://dowse.eu/>)



- * Open source applicatie om spionage in je huis netwerk te bestrijden.
- * Ethische vraagstuk over alle dingen die in je huis beginnen te praten.

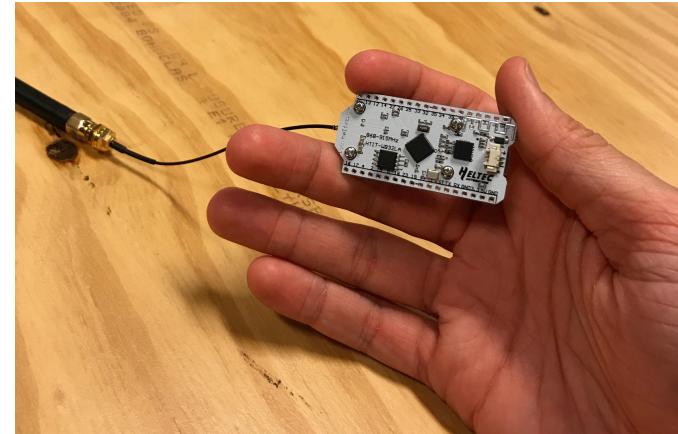
TTN Apeldoorn (3)

- * Werking dowse (in een notendop)



TTN Apeldoorn (4)

- * Takeaway:
 - * Kijktip: Webcast van Johan Stokking (LoRaWAN 1.1):
 - * <https://www.youtube.com/watch?v=ewsXKc3bk1U&index=1&list=LLrLLvKQpqlkISc6axoibpw>
 - * Heltec WiFi LoRa 32
 - * ESP32 with OLED and SX1278
 - * Vuurwerksensor bouwen
 - * 13 december, TTN Apeldoorn



CTIT Symposium

- * IoT is ready. What about us?
 - * 14 November 2017, University of Twente
- * Keynote by Prof. Gian Pietro Picco
 - * “Is IoT Ready for the Real-World? A Systems Research Perspective”
- * Gist:
 - * Things on the Internet ≠ Internet of Things

Future Events

- * The Things Conference
 - * Wanneer: 1-3 februari
 - * Waar: Amsterdam
- * Things Con
 - * Wanneer: 30 november en 1 december
 - * Waar: Volkshotel, Amsterdam

THE THINGS CONFERENCE

Join our 3-day LoRaWAN Developer Conference
and become a LoRaWAN expert.

[MEET THE SPEAKERS >](#)

⌚ 1 - 3 February 2018

📍 Amsterdam, NL



Speakers



Nicolas Sornin - Inventor of LoRa
Future of LoRa



Fernando Kuipers - Professor, TU Delft
An academic perspective on LoRaWAN



Jan Jongboom - Developer Evangelist, Arm
Firmware over the air updates using LoRaWAN



Benjamin Cabé - IoT Community Evangelist, Eclipse Foundation
Overview of the open source IoT ecosystem



Diana Wildschut - Initiator, Meet Je Stad
Supporting citizen-based microclimate and air quality



Matthew Knight - Software and hardware engineer, Bastille
Reverse engineering LoRaWAN



Andrew Back - MD, ABOpen

Deepdive workshop on LoRaWAN RF using SDR hardware



Thomas Telkamp - Network Architect, The Things Network

Doing LoRaWAN from space



Jan-Willem Smeenk - CEO, Sodaq

How to build end to end secure devices



Claire Garside - Co-founder, Foundation for Digital Creativity

Removing barriers: Empowering communities to make a smarter, more connected world with LoRaWAN.



Sander van de Graaf - Cloud solutions architect, Sentia

Building serverless end to end LoRaWAN solutions



Wienke Giezeman - Initiator, The Things Network

Reflecting on 2 years of TTN and looking forward



Frank Bekk - IoT Evangelist

Workshop on building a node with WiFi localization from scratch



Lasse Licht - Engineer, TRIMM

Going to market in 2.5 months with a LoRaWAN product



Johan Stokking - Tech Lead, The Things Network

TTN's latest network server architecture and the future



Tim Van Dam - Founder, The Internet of Life

Protecting wildlife with The Internet of Things



Luigi Francesco Cerfeda - Marketing Technologist, Zerynth

How to become an IoT developer if you are a web developer



Alasdair Allan - Scientist, author, hacker, and journalist

Teaching a new dog old tricks

— A conference about a human centric and responsible IoT

Join us 30 Nov & 1 Dec for 20+ sessions and 10+ keynotes. Volkshotel, Amsterdam

REGISTER NOW!



Einde

Resources

- * Webcast van Johan Stokking (LoRaWAN 1.1):
 - * <https://www.youtube.com/watch?v=ewsXKc3bk1U&index=1&list=LLrLLvKQpquIkISc6axoibpw>
- * TTN Enschede:
 - * <https://thethingsnetwork.org/c/enschede/>
- * Slack:
 - * <https://ttnenschede.slack.com>
- * Resources:
 - * <https://github.com/TTNEnschede/>