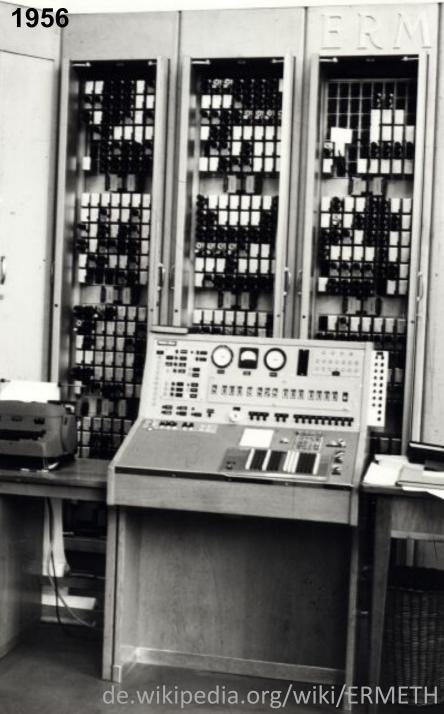
Internet of Things

thomas.amberg@yaler.net





2012







withings.com











nikeplus.nike.com









Economy



"Buy once, read everywhere"

















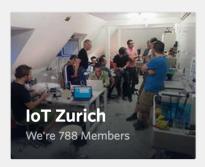


30 Meetups in your groups

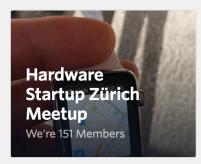
439 Meetups nearby

All Meetups Q within 50 miles of Zürich, CH Groups Calendar

Your Meetups







Sort by Recommended





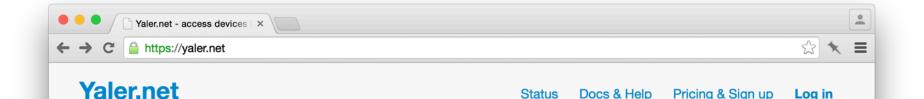








Low power,
Secure data
transmission,
Plant model,
OTA updates,
Reliable sensor,
CE certified



Access devices from the Web

Yaler provides a relay infrastructure for secure, controlled and manageable access to embedded systems.

Get Started with Yaler

Makers, small business and enterprise customers rely on Yaler

Our customers use Yaler in building and home automation, environmental monitoring, tele-medicine and many other fields.

SIEMENS PHONAK Vaecenelas





Why Yaler? (relay spelled backwards)

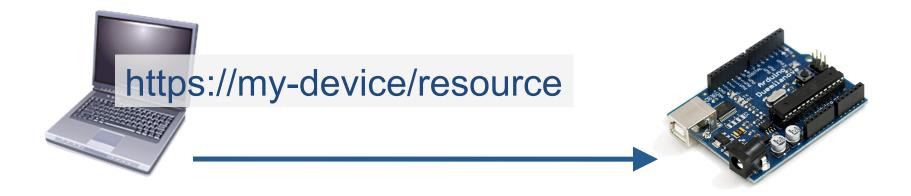
Connectivity as a service

Get secure Web and SSH access to your embedded systems, no matter if they're located behind a firewall, a NAT or a mobile network router. Pay-per-use, with premium enterprise support.

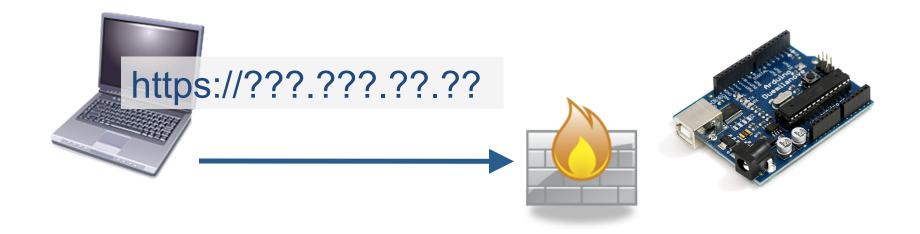
How it works



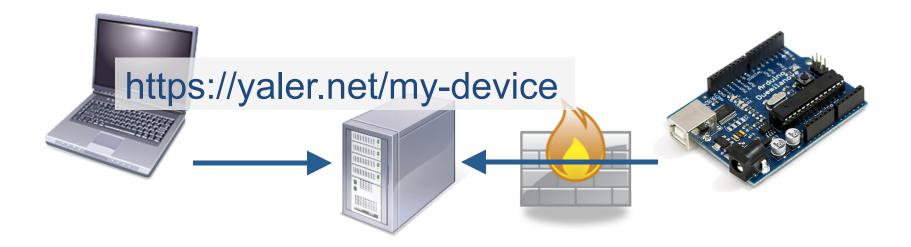
Remote Access and Control



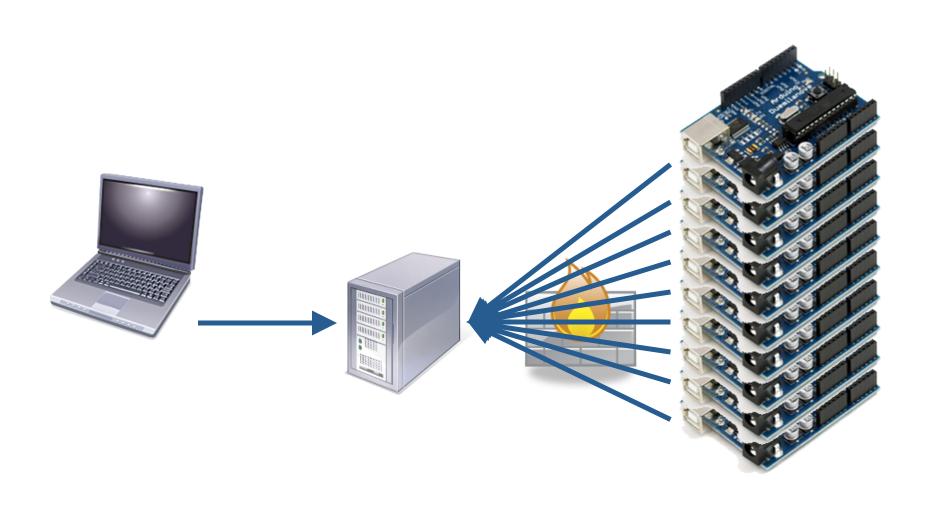
Firewall, NAT prevents access



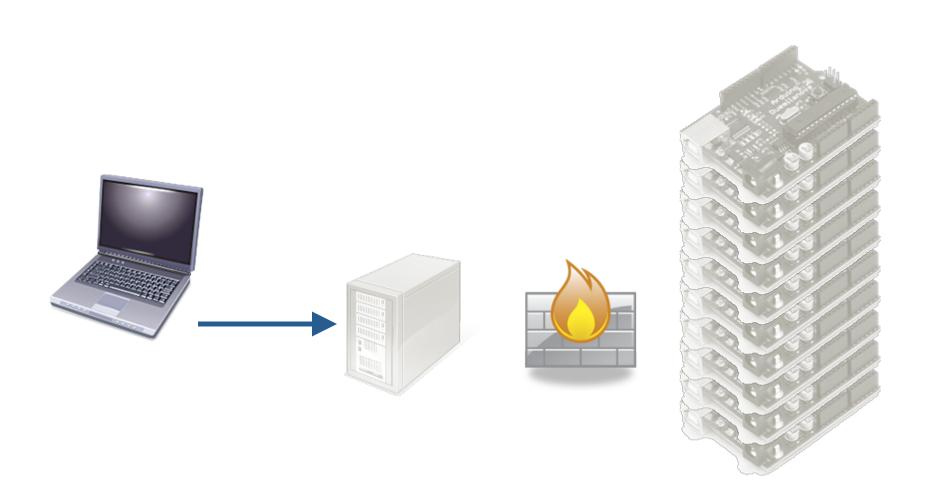
Solution: Relay in the Cloud



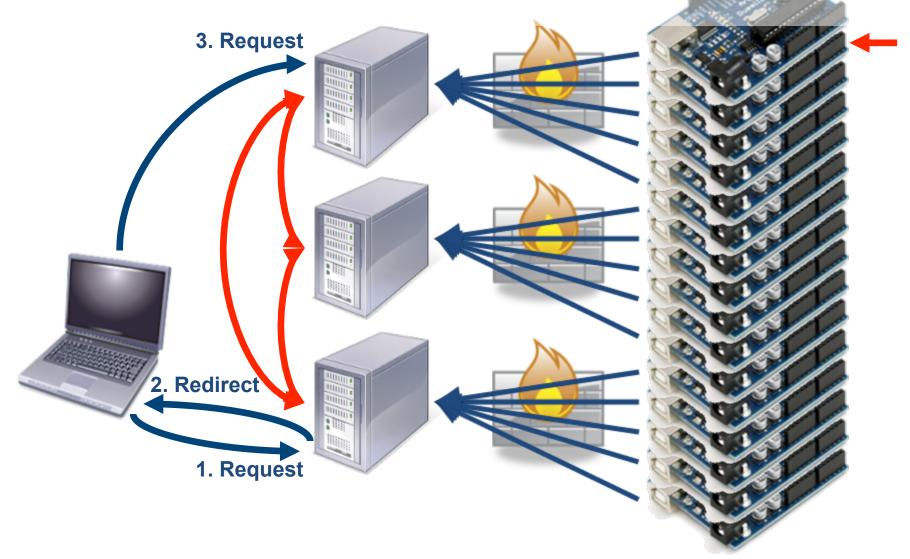
Challenge: Scalability



Challenge: Availability



Solution: Cluster of Relays = Hard





Cloud Service + Library = Easy

Yaler.net Status Docs & Help Pricing & Sign up Log in

Quick tutorials

Including downloads.

1. Set up your device



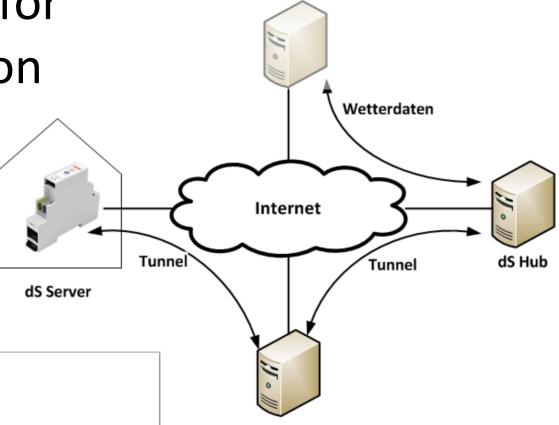
Arduino Yún

Intel Edison

2. Access your device from a client

Browser (Chrome, Firefox, IE, Safari or any other)
Android
Curl
FileZilla
iOS
Putty
SFTP
SSH
VNC
WinSCP
Other Client

Remote Control for Home Automation



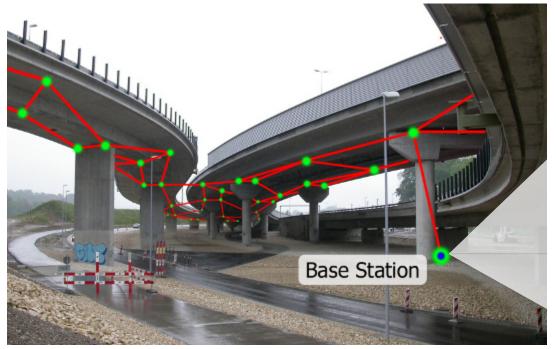
Yaler Relay

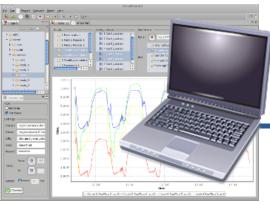
Wetterdienst



Bachelor Thesis
2013

Smart homes responding to weather events using cloud services Hail Events





Yaler Relay



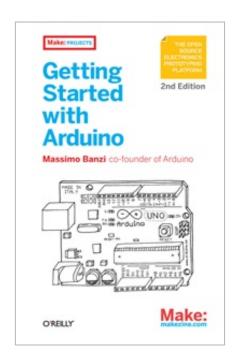


Ad-hoc P2P Connectivity for Telemedicine

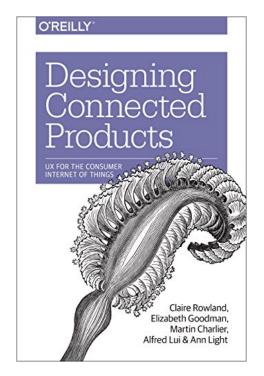
Voice **Expert Patient** Yaler Relay 3G SSL SSL Wearable Medical Device



arduino.cc learn.adafruit.com meetup.com/IoT-Zurich







Thanks.

thomas.amberg@yaler.net

twitter.com/tamberg

yaler.net

Slides at goo.gl/taYbgV→

