The background of the image is a deep blue underwater scene. Sunlight filters down from the surface in bright, white rays, creating a lens flare effect. The water is slightly textured with small ripples and bubbles.

UIoT

The background of the slide features a deep blue underwater scene. Sunlight filters down from the surface in bright, glowing rays, creating a dappled light effect on the sandy ocean floor. The water is slightly textured with small ripples and bubbles.

About IoT

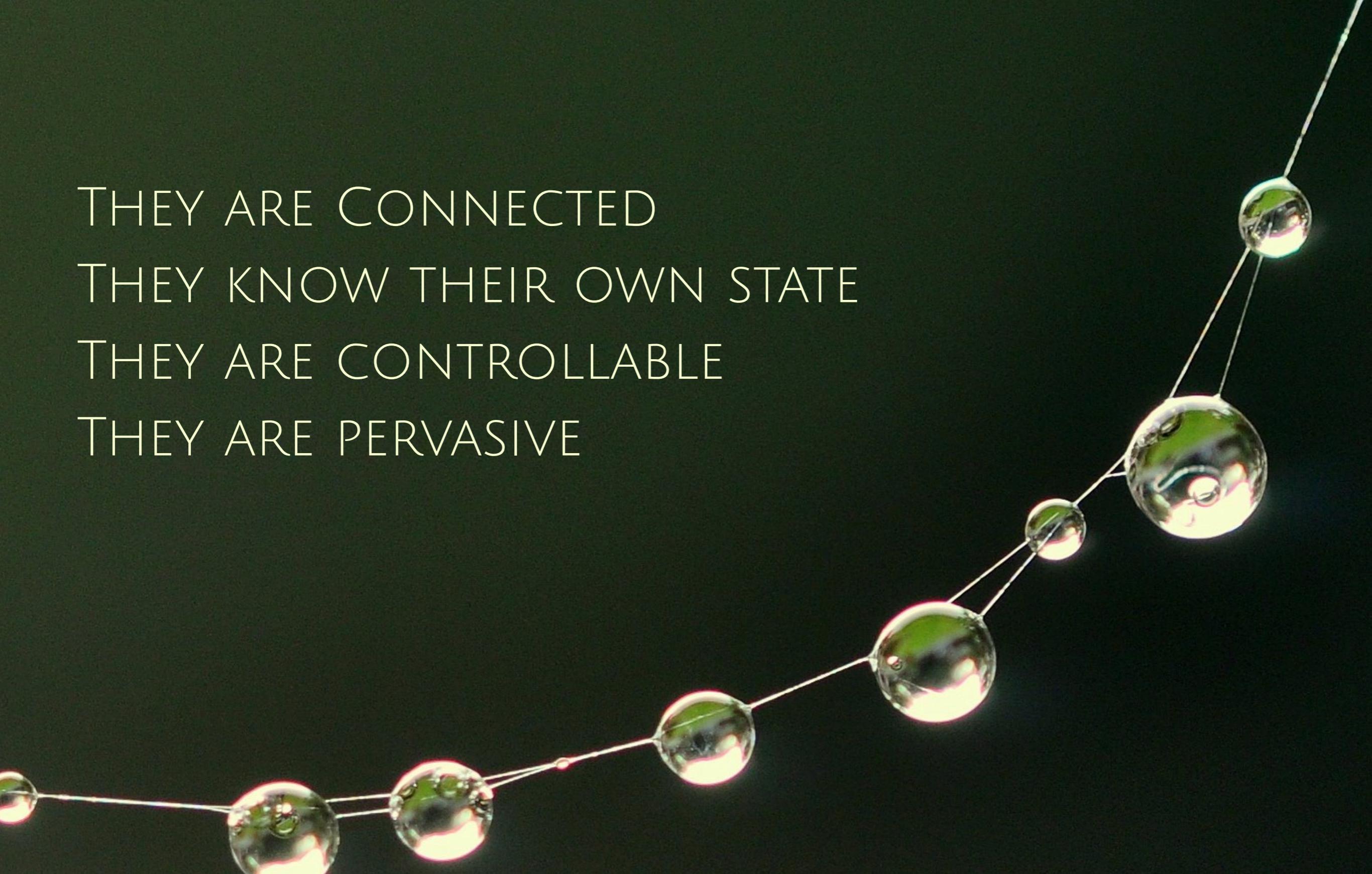
UIoT History

About the Middleware

What is this IoT Thing?



THEY ARE CONNECTED
THEY KNOW THEIR OWN STATE
THEY ARE CONTROLLABLE
THEY ARE PERVERSIVE



SMART OBJECTS



In daily life...



A close-up, low-angle shot of Iron Man's suit. The focus is on the red and gold plating of his shoulder and upper arm. The lighting highlights the metallic textures and the glowing blue arc reactor in his chest.

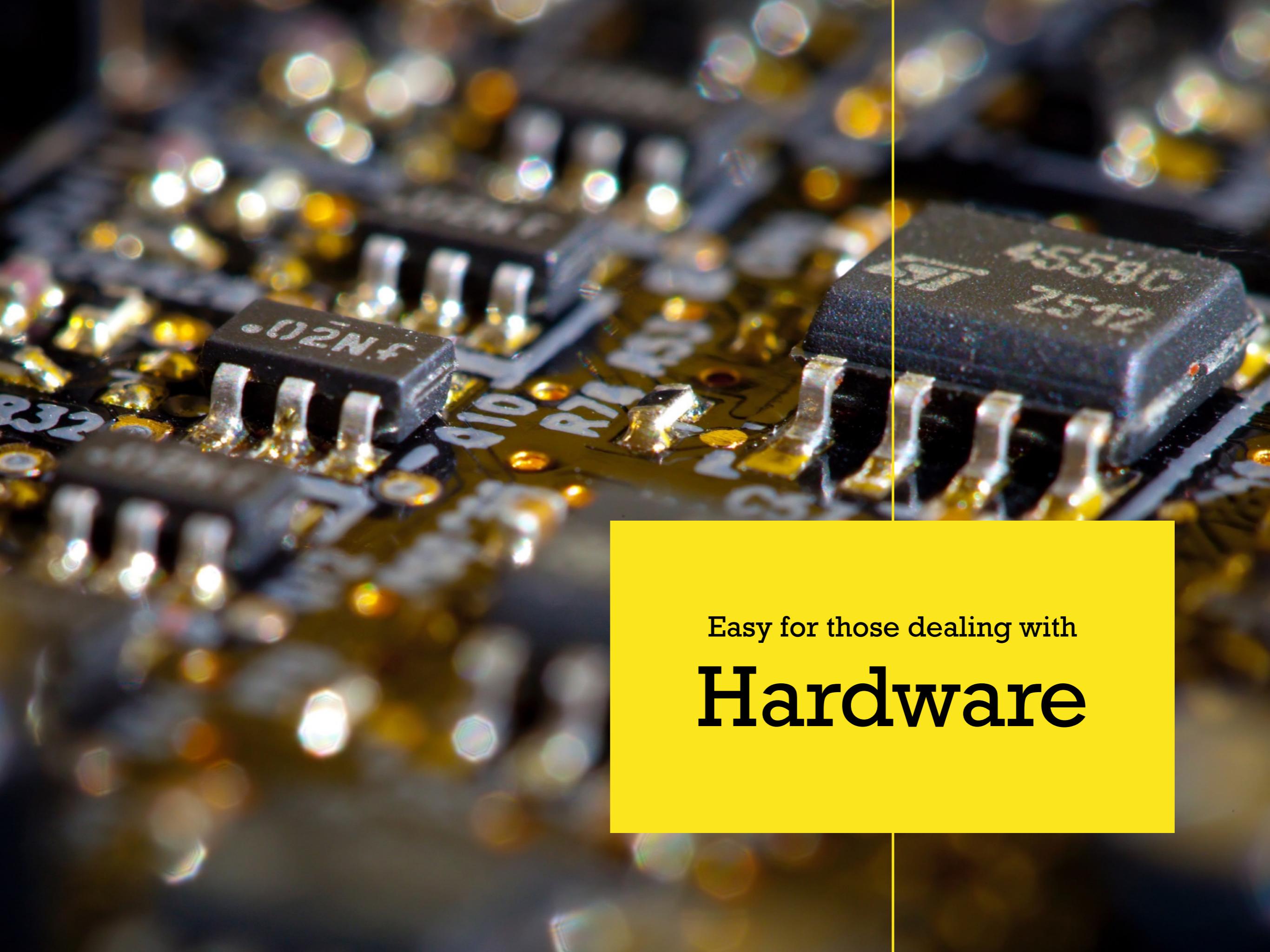
IN A NOT SO FAR FUTURE . . .



*What if i build my own
Platform?*



**EASY FOR THOSE DEALING WITH
SOFTWARE**



Easy for those dealing with
Hardware



Personal challenge:
Master!



But It's a Long Way...



SCALABILITY



INTEROPERABILITY



MOBILITY



CONNECTIVITY



ENERGY
EFFICIENT



LONGEVITY

Only all this?

So, let's
Code it!





**2 - Monitor
Devices**

3 - Scalable

4 - Secure

5 - Interoperable

**1 - Control
Devices**

**8 - Simple for
hardwares**

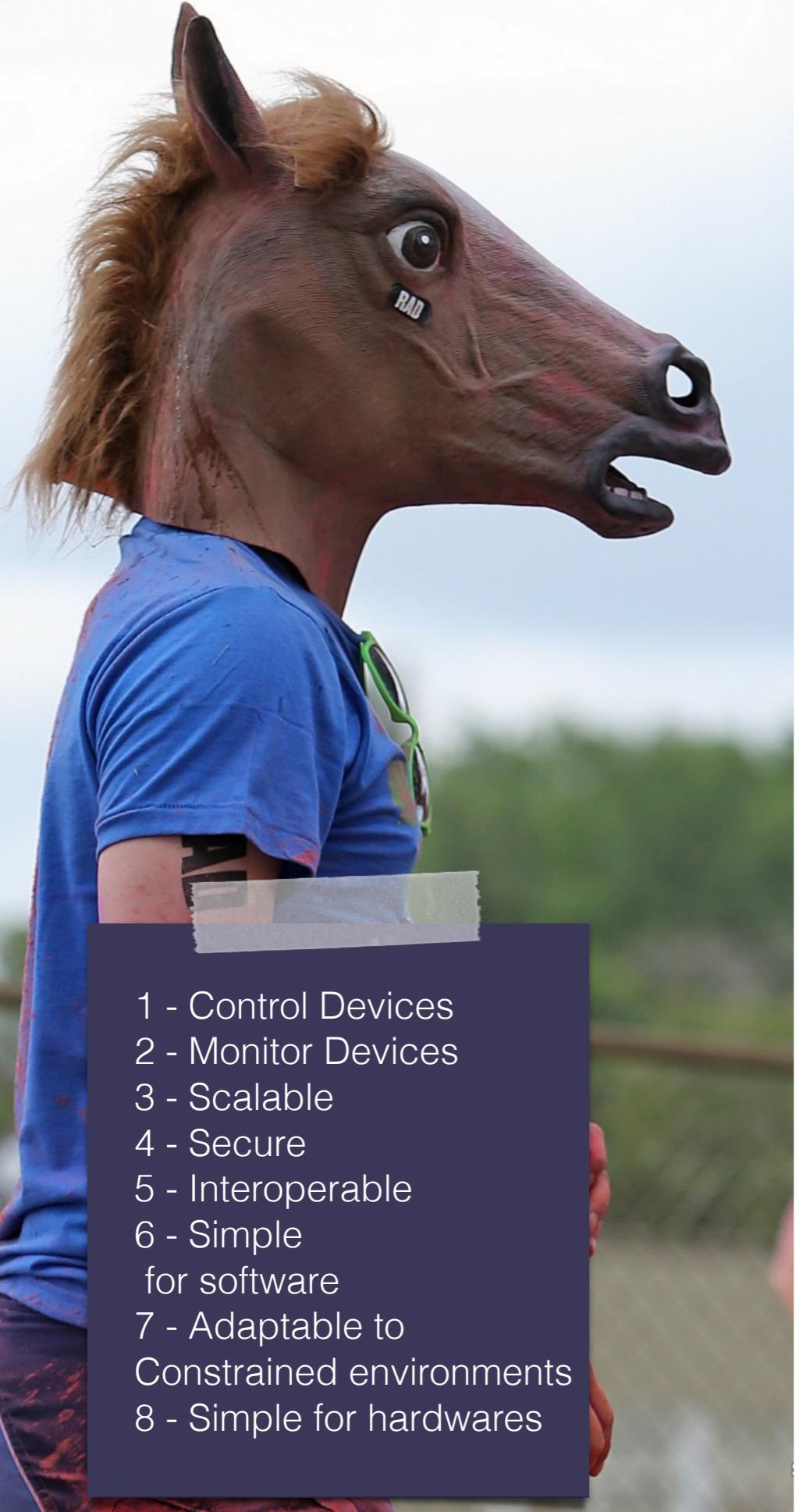
10 - Resilient

**6 - Simple
for software**

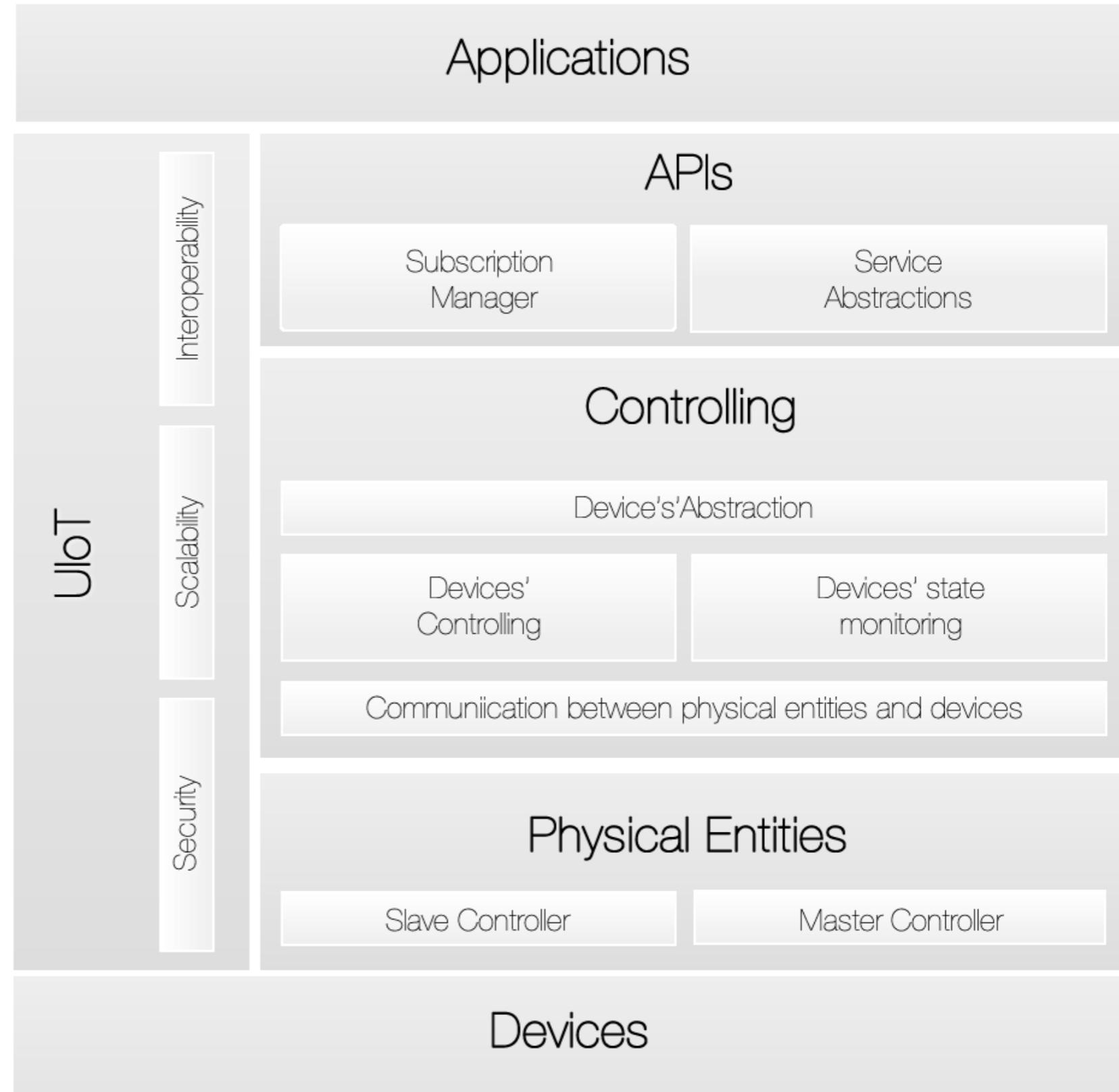
9 - Long life

**7 -Flexible for high
performance or
constrained
environments**

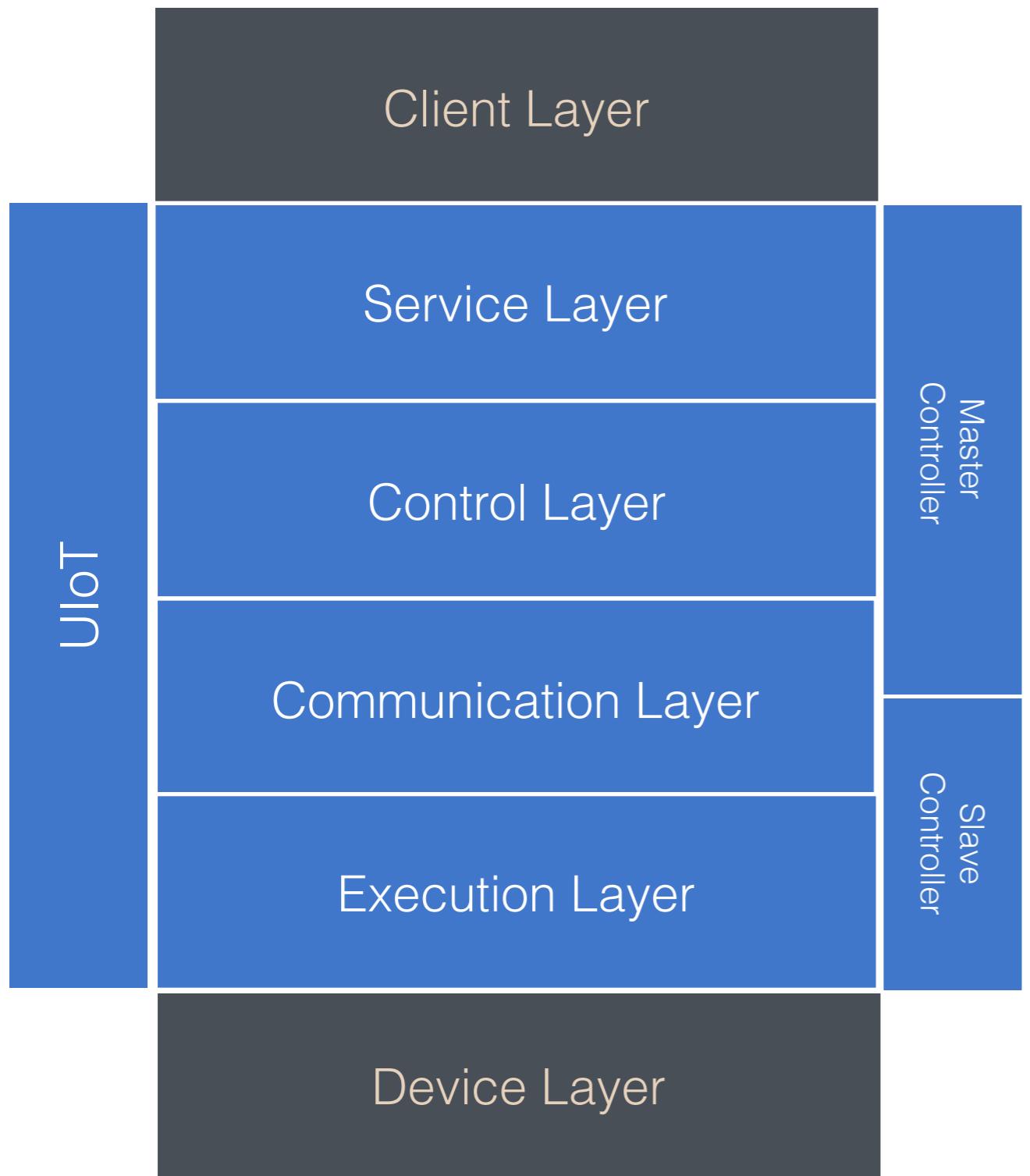
Solution Overview



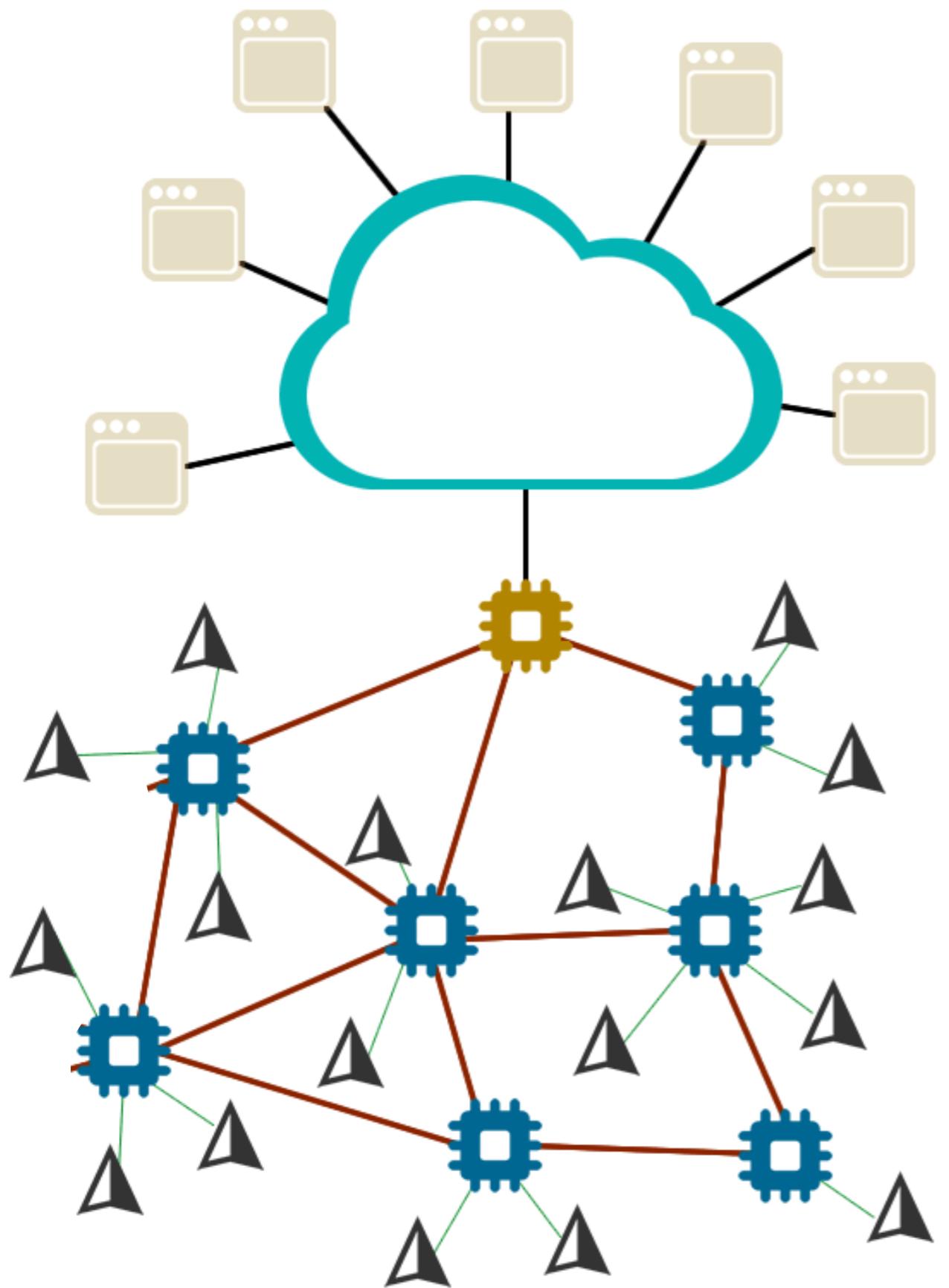
- 1 - Control Devices
- 2 - Monitor Devices
- 3 - Scalable
- 4 - Secure
- 5 - Interoperable
- 6 - Simple
for software
- 7 - Adaptable to
Constrained environments
- 8 - Simple for hardwares



Solution Layers



Solution Physical View



Team 2014



Hiro Gabriel
Cerqueira Ferreira



Armia Wagdy
Tawfik

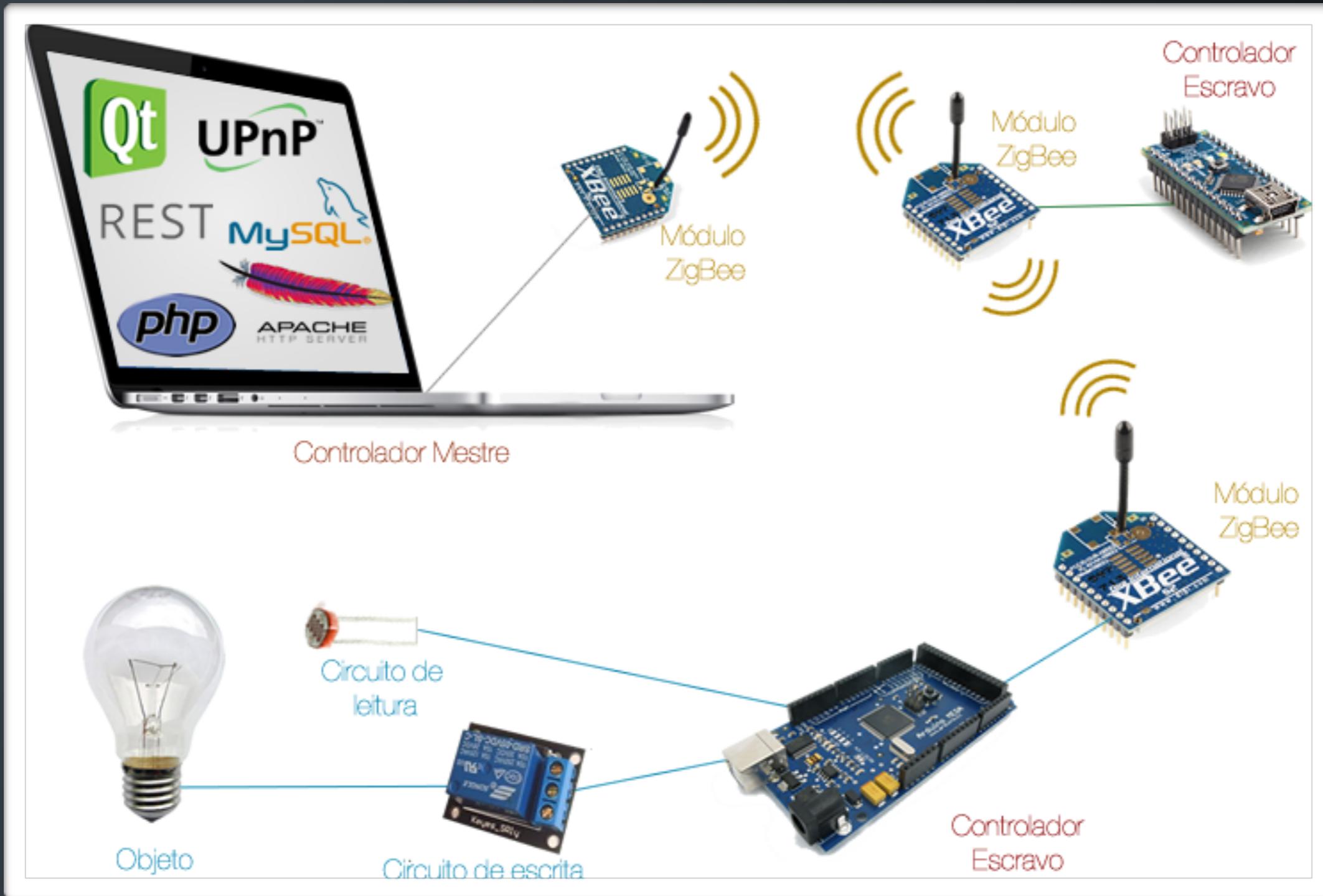


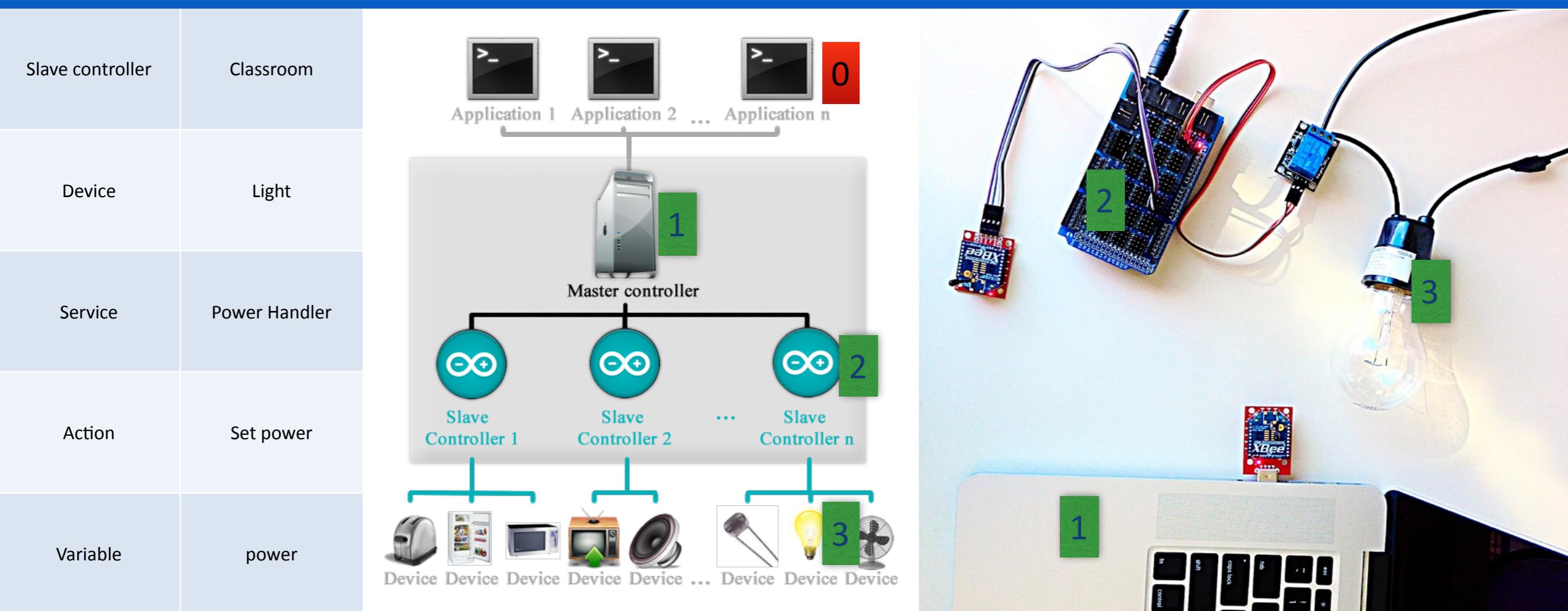
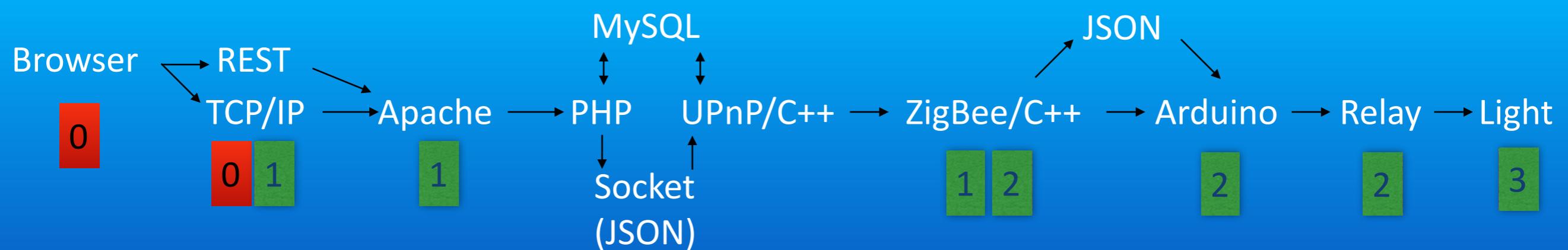
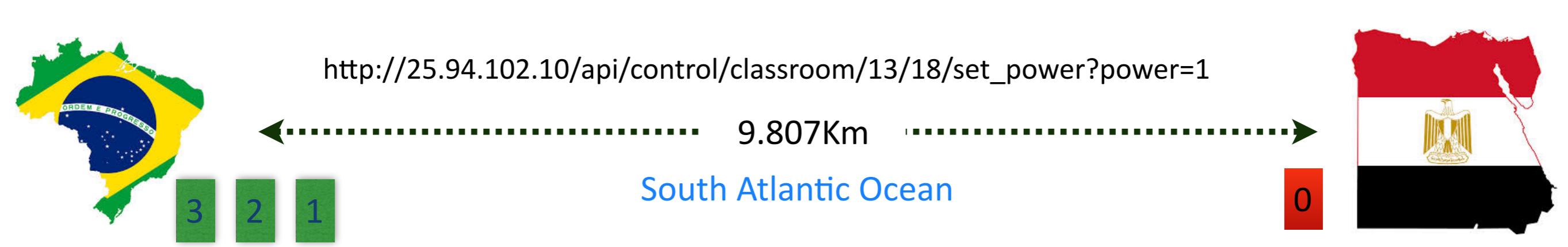
Michael
Abd-Elsayed
Bekhiet



Nader Nohad
Saleh







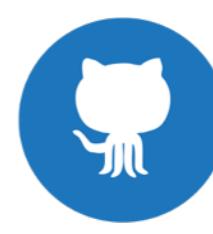


UIOT

UNIVERSAL IOT?
UNIFORM IOT?
UNB IOT?

MIDDLEWARE?
COMMUNICATION MODEL?
ARCHITECTURE?

OPEN SOURCE!



twitter.com/uiotmiddleware

fb.com/uiotmiddleware

www.uiot.org

github.com/uiot/middleware

A photograph of a large cargo ship at sea, viewed from the deck. The ship's hull is dark blue, and the deck is filled with numerous shipping containers stacked in rows. The containers are of various colors, including red, green, white, and blue. Some containers have the letters "CSAV" printed on them. The ocean is visible in the background, with small waves. The sky is overcast.

USB HOTFIX
WIFI
BLUETOOTH
ETHERNET
POWERLINE
DTMF
WEBSITE
GITHUB



Doctorate...



IoT is trend...



UIOT IS
PROMISING

Let's not leave UIoT die! Lets expand the team!



Team 2015



Hiro G C Ferreira



Armia Wagdy T.



Michael Abd-Elsayed B.



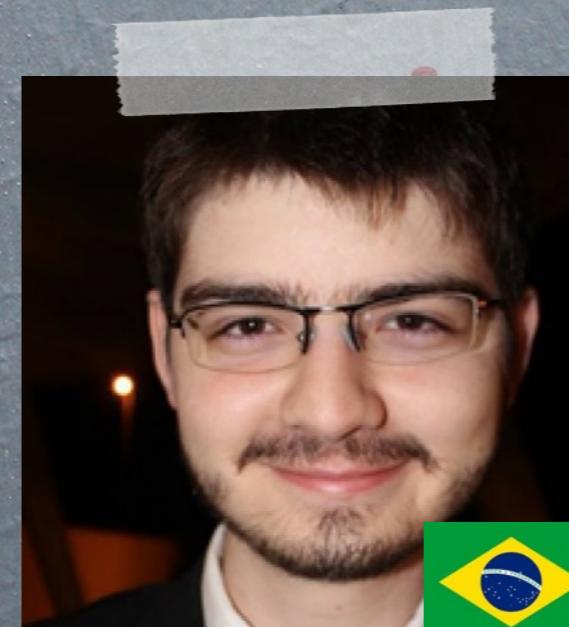
Nader Nohad S.



Caio C M Silva



Claudio A Santoro W.



Mateus Marcuzzo R.



Rafael T. S. Jr



- + Rewrite REST API
- + Rewrite CMS
- + Create App Sote
- + Rewrite Comm Layer
- + Rewrite Exec Layer
- + Create Website + T + FB
- + Create Open GitHub Repo.
- + BizSpark



A photograph of a large cargo ship at sea, viewed from the deck. The ship's hull is dark blue, and the deck is filled with numerous shipping containers stacked in rows. The containers are various colors, including red, green, white, and blue. Some have logos like 'CSAV' and 'tex' on them. The ocean is visible in the background under a clear sky.

INSTALL SCRIPT

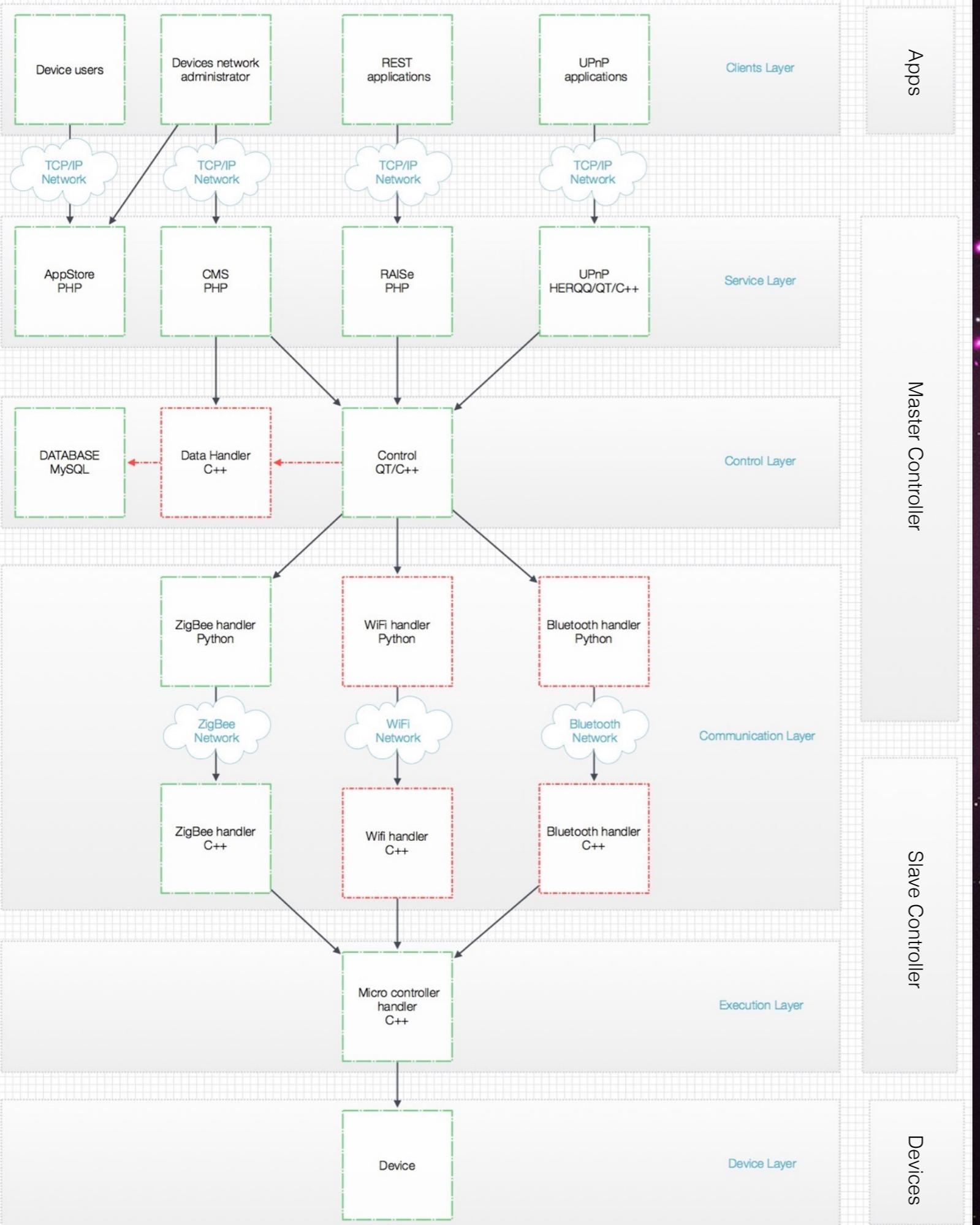
WIFI + BLUETOOTH + ETHERNET +
POWERLINE + DTMF

SMART CITIES + LARGE SCALE

CONTEXT AWARENESS

APP STORE





New Slide Show!



Dúvidas?



The background of the image is a deep blue underwater scene. Sunlight filters down from the surface in bright, white, diagonal rays. The water has a textured, slightly wavy appearance with varying shades of blue and green.

www.uiot.org