

Chad Lawson

Chad Lawson first fell in love with the Mac with HyperCard in high school and created a Periodic Table stack that interacted with a Laserdisc player. That life-long romance led him to launch his current company, Rocket Science Labs LLC in 2014 where he uses training and speaking to help organizations close the divide between technology and people.

When Chad is not working with clients on technology... he is playing with technology for fun. He just can't stop!

He likes to spend his free time with his wife and his two Beagle “children.”



IoT and Home Automation: What you need to know.





What are we going to cover?

Home Automation

(Brief) History

Technologies

Platforms (HomeKit and Others)

Bridging Between

Internet of Things

What it is (and isn't)

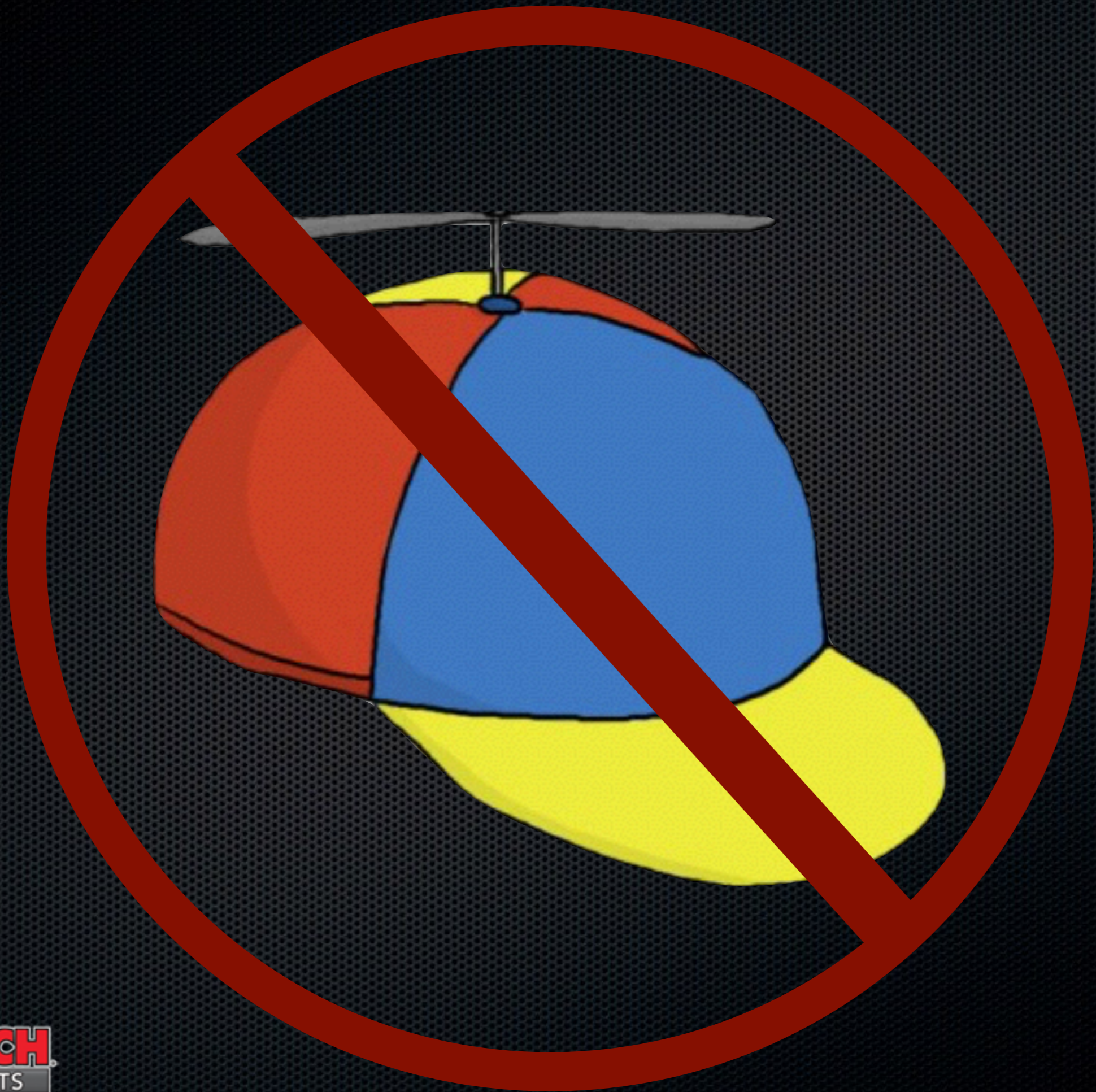
(Very Brief) History

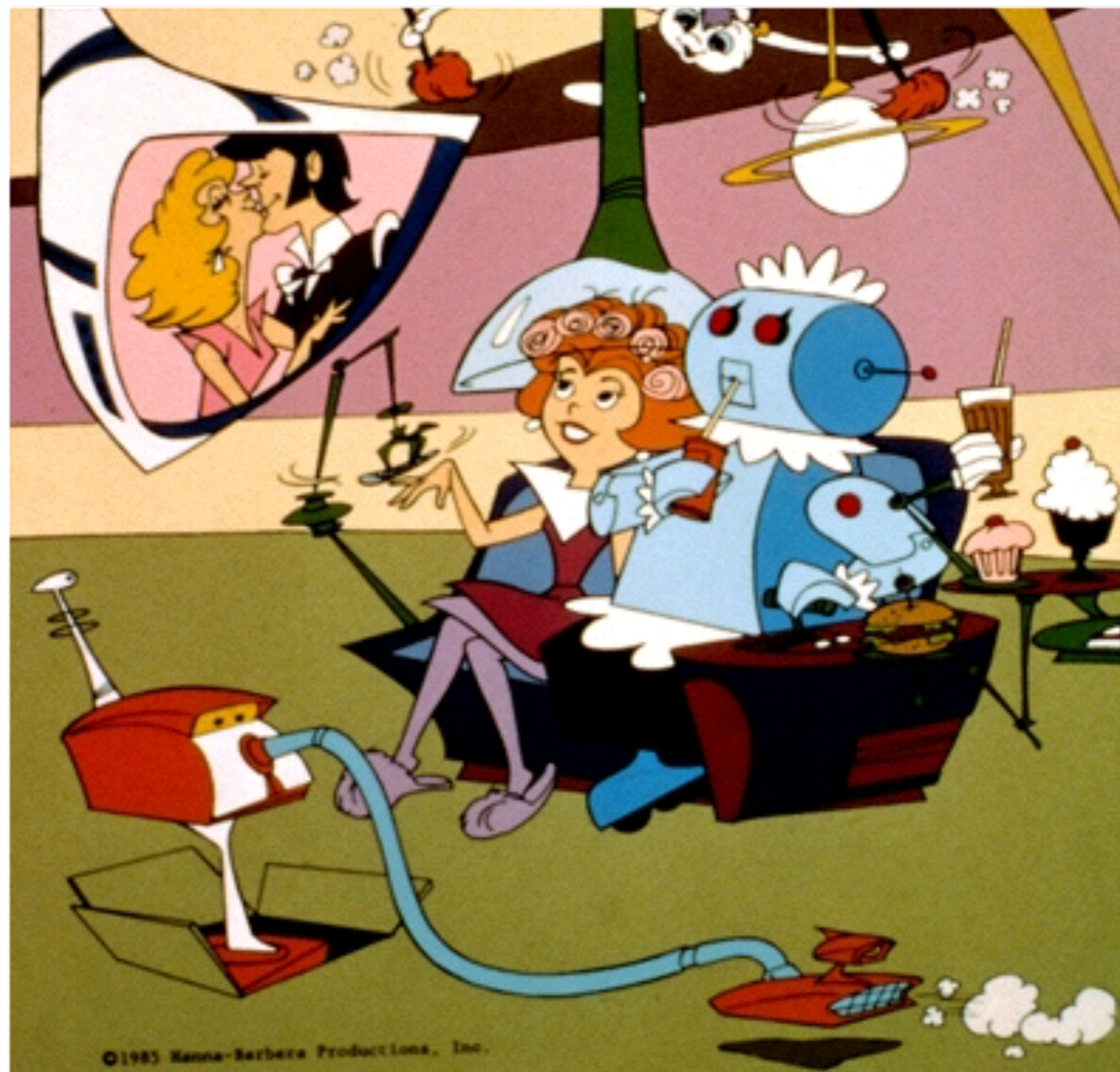
Protocols

Security Concerns and Mitigations

Questions









I N S T E  N[®]



amazon echo

 SAMSUNG
SmartThings™

 **CRESTRON®**

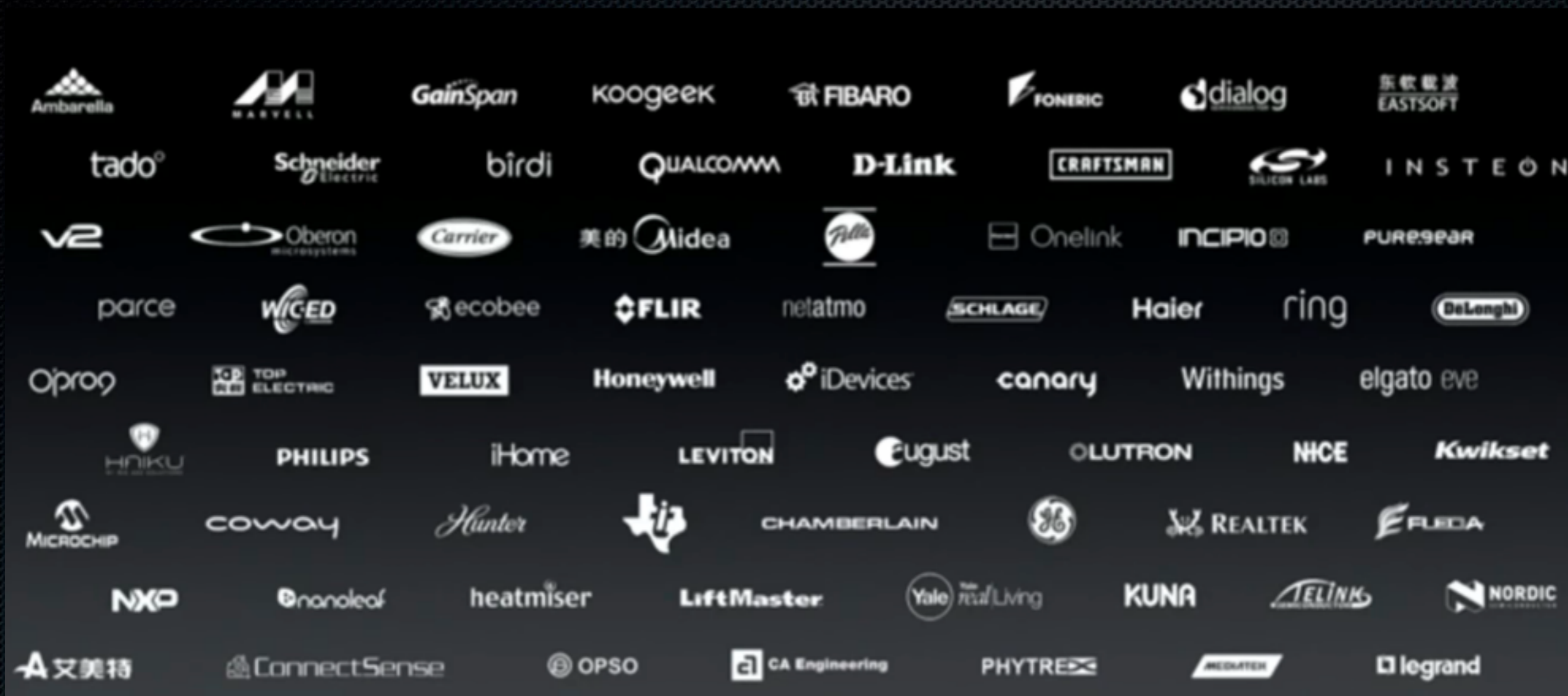
Google

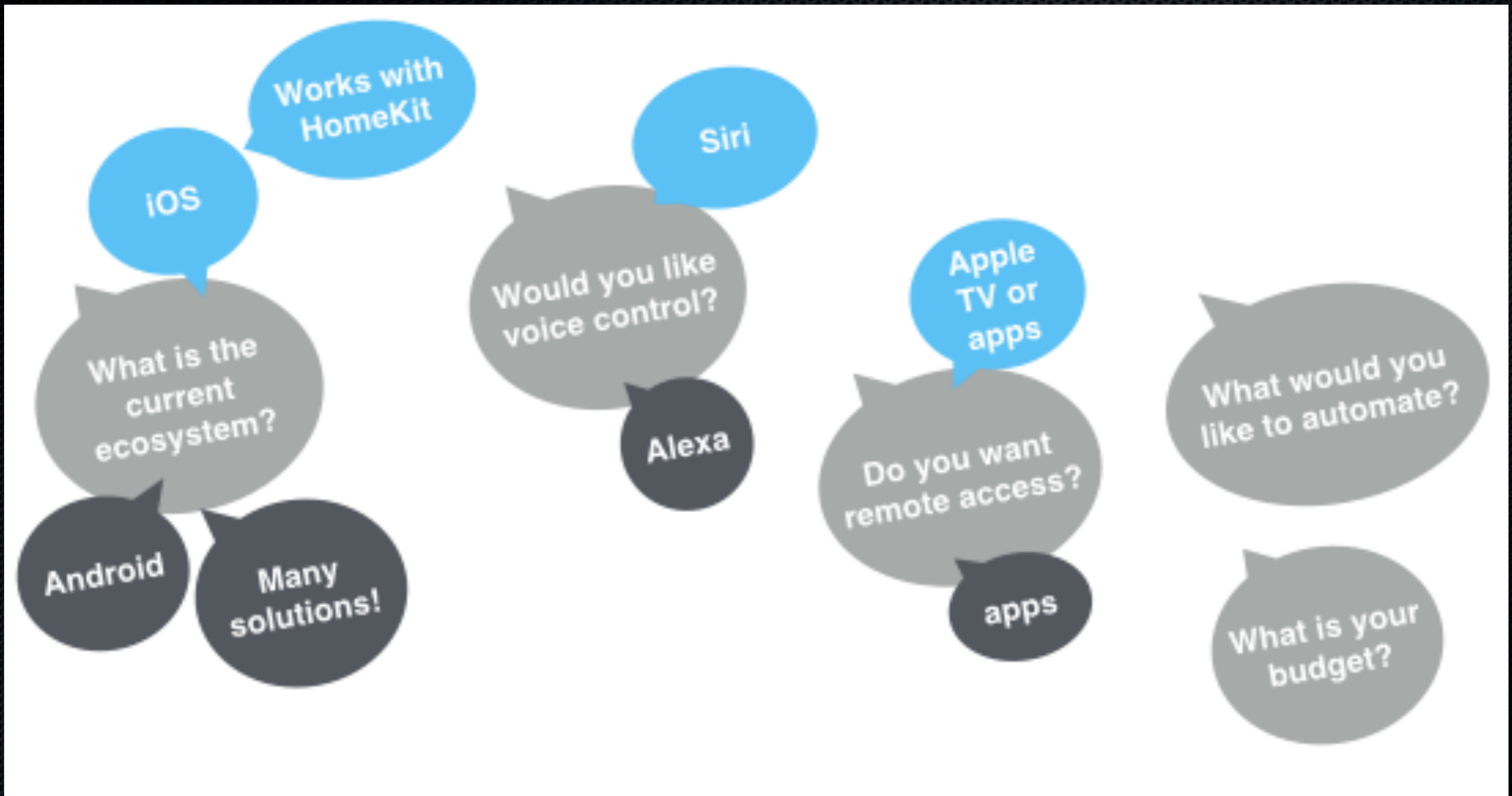




Works with
Apple HomeKit







Beta

The logo for Beta, featuring the word "Beta" in a serif font above a large, stylized, bold letter "B". The "B" is white and set against a black rectangular background.The logo for VHS, featuring the letters "VHS" in a bold, sans-serif font, enclosed within a black rectangular border.



Homebridge is a lightweight NodeJS server you can run on your home network that emulates the iOS HomeKit API. It supports Plugins, which are community-contributed modules that provide a basic bridge from HomeKit to various 3rd-party APIs provided by manufacturers of "smart home" devices.

Since Siri supports devices added through HomeKit, this means that with Homebridge you can ask Siri to control devices that don't have any support for HomeKit at all. For instance, using just some of the available plugins, you can say:

- *Siri, unlock the back door.* [pictured above]
- *Siri, open the garage door.*
- *Siri, turn on the coffee maker.*
- *Siri, turn on the living room lights.*
- *Siri, good morning!*



IoT and Home Automation: What you need to know.



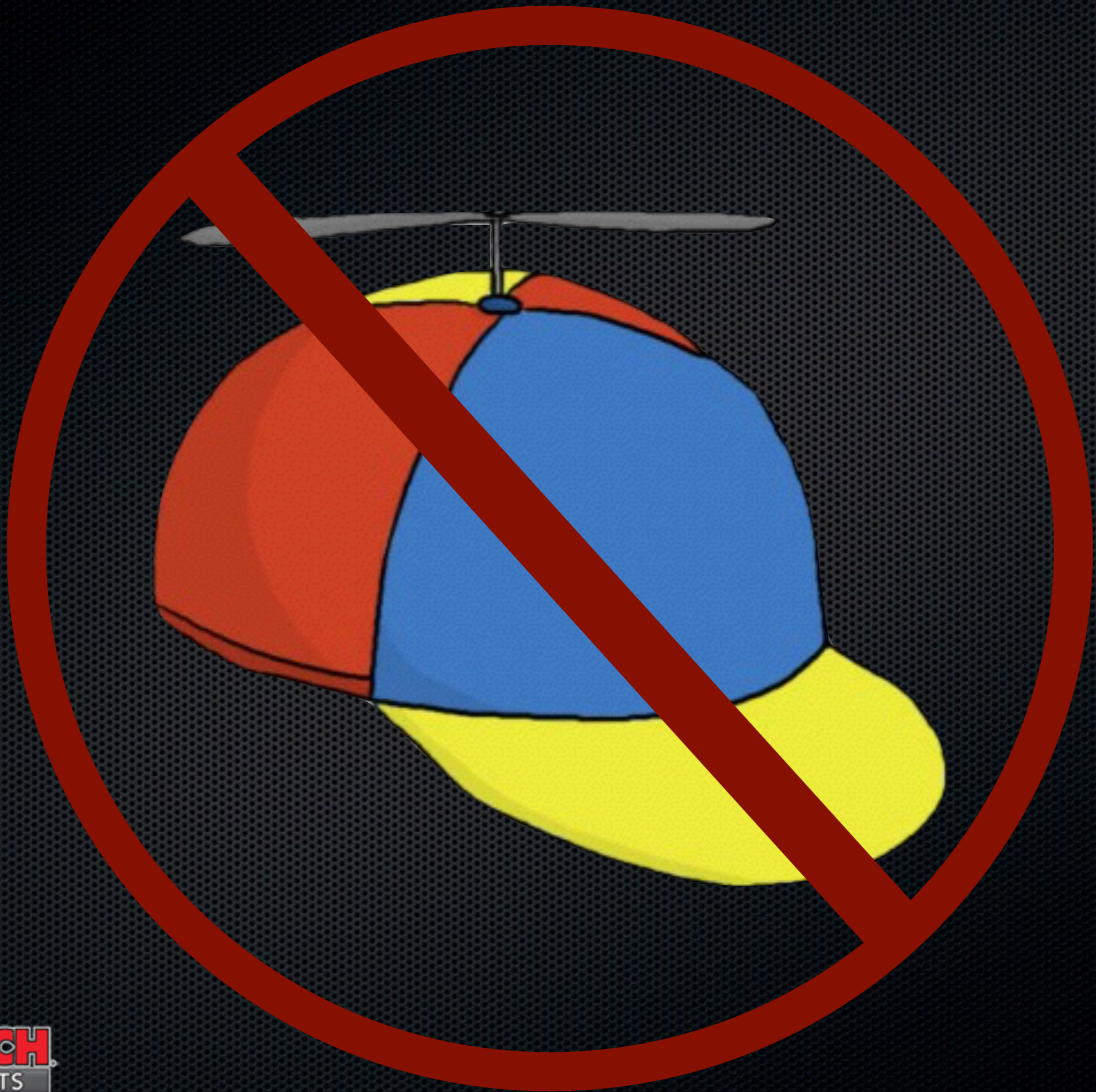


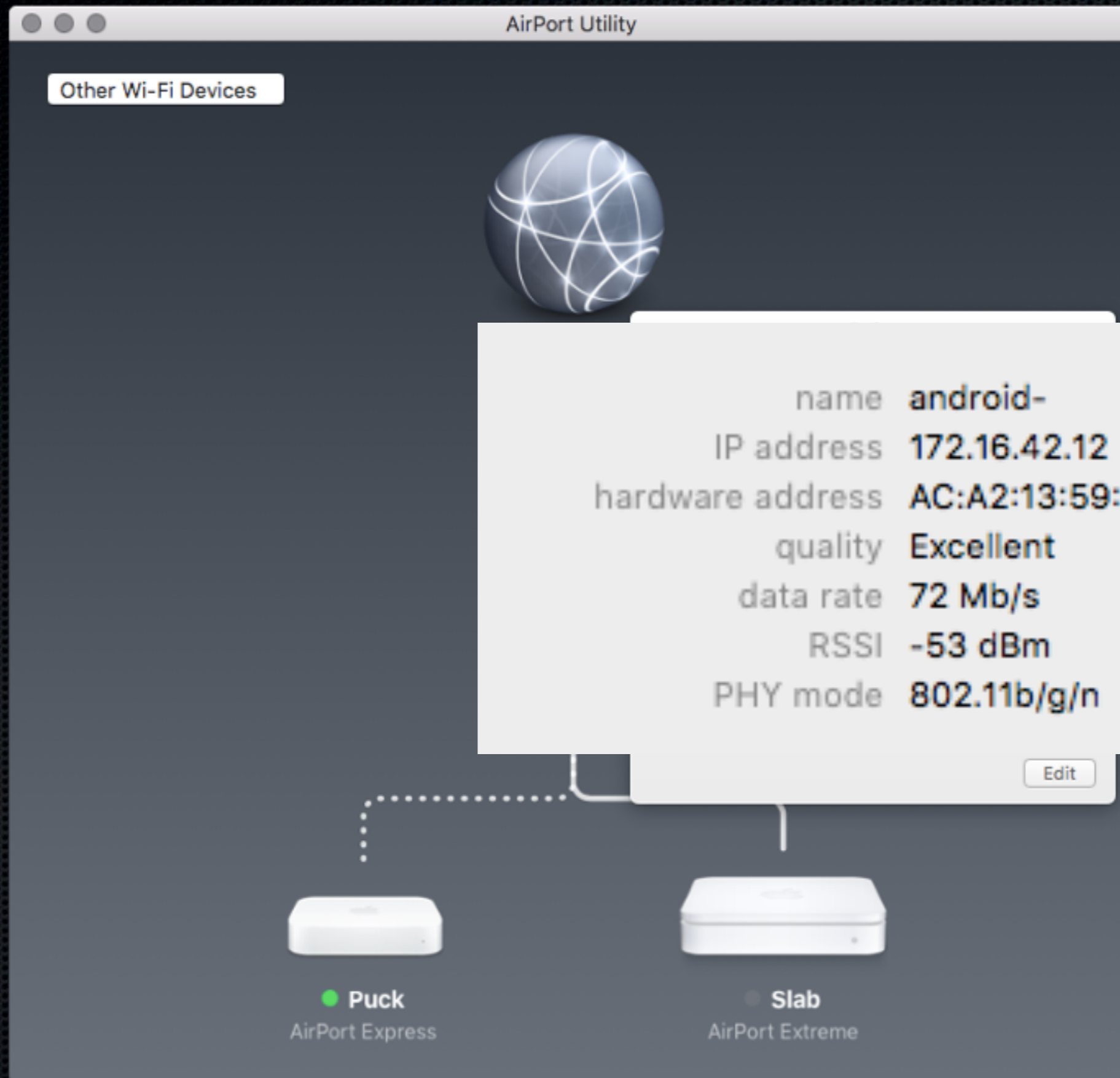
EMPTY
COLD

EMPTY
COLD

1h 3m
1h 4m







All images created personally
or shared via



unless otherwise noted.



Questions?



Chad Lawson
chad@chadlawson.me
@ChadLawson

