

Introducing OpenIntent

A community driven standard

github.com/google/openintent

What is OpenIntent

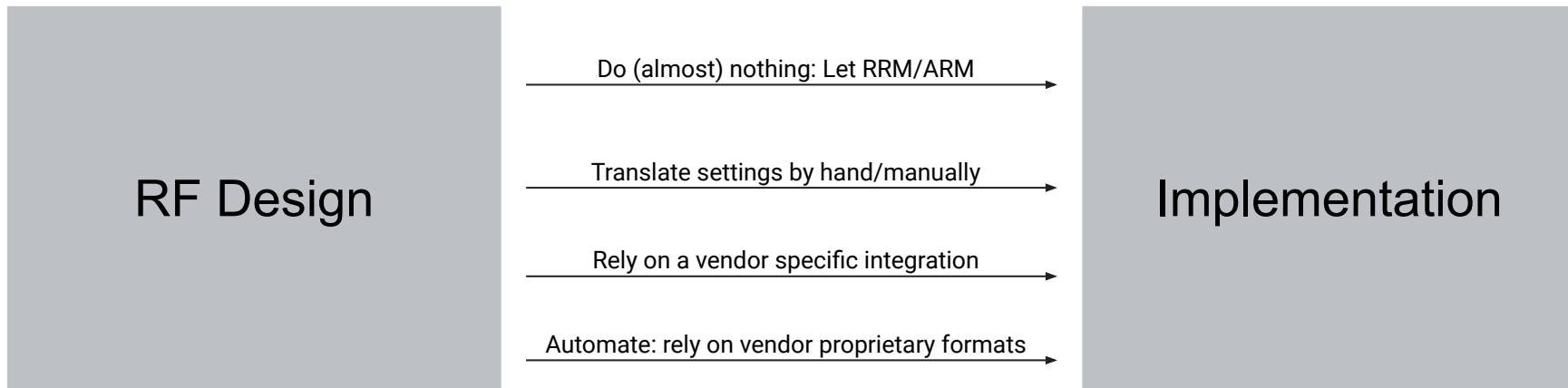
OpenIntent is a community driven schema to describe the data needed to deploy Wi-Fi access points.

What does this give us?

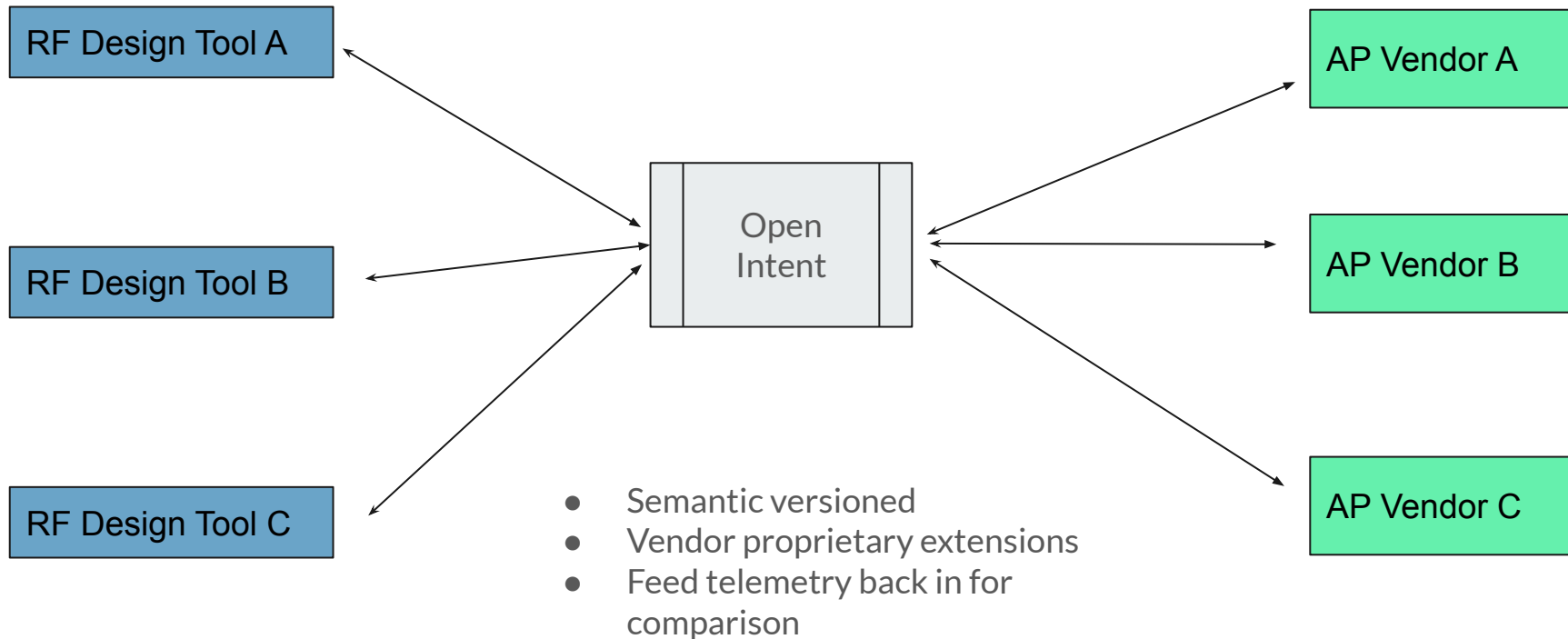
- Design Tool Optionality, the right tool for the right job.
- Visualization tool optionality: able to visualize the intent across multiple tools for multiple purposes.
- Model driven schema reduces barrier to entry for automation tooling.
- Provides programmatic interface standards between vendors.
- Defined scope for RF tooling vendors for APIs and use-cases.

Why This?

The gap between design and deploy is the hurdle we're trying to overcome.



Where OpenIntent Lives



Use Cases:

1. Visualization of intent
2. Deployment Automation
3. TBD...

Where's the model?

That's the neat part, there isn't one. Yet.

We get to build that together.

Requirements and initial scoping starting the week of February 20th.

What can you do to help

1. Join the mailing list and participate in community meetings

Twice a week, every other week. (EMEA Friendly/APAC Friendly)

<https://groups.google.com/g/openintent-wifi>

2. Ask your tooling/ap vendors about participation, support, vote for features.
3. Help write the model, test tooling, etc (coming mid 2023)
4. Check out more details at github.com/google/openintent

Frequently asked questions

Q: Is this part of OpenConfig?

A: No, but we are using some lessons learned from OpenConfig to do this.

Q: Why house this project under Google's github?

A: The goal will be to move this out from under the Google organization once the release hits 1.0. TLDR: Jake couldn't get this done in time for launch.

Q: Is this a replacement for OpenConfig, OpenWiFi, <other project here>?

A: I'm not aware of another initiative to solve this problem, if there is one, please point it my way.

Frequently asked questions

Q: Q: What about non-Wi-Fi wireless device?

A: We're attempting to structure this project so that other variants can exist, but the focus today is Wi-Fi.

Q: Will this eliminate my need to buy an RF design/survey tool?

A: No! Our goal is to make it easier to access the data created by these tools, not replace them.



Thank you!

Google Open Source