



Interest in ONF Projects at AT&T

Open Networking Summit, San Jose, 2019

An Operator Led Consortium

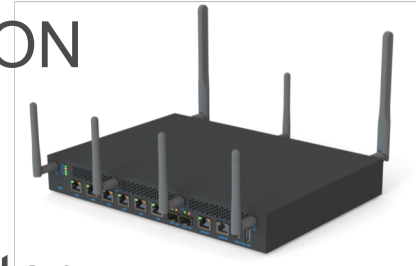


The Big Picture - Hardware

Did you know you can use Open Source hardware? It's called a white box.



AT&T Open GPON
Deutsche Telekom Open GPON
AT&T 16 Port XGS-PON
AT&T Universal CPE
AT&T Cell Site Gateway Router
AT&T Open Fiber Distribution Hub
Radisys CG-Open Rack 19"
ADLINK CG-OR19 Open Sled Server
>10 more specs in progress



The Big Picture - Software



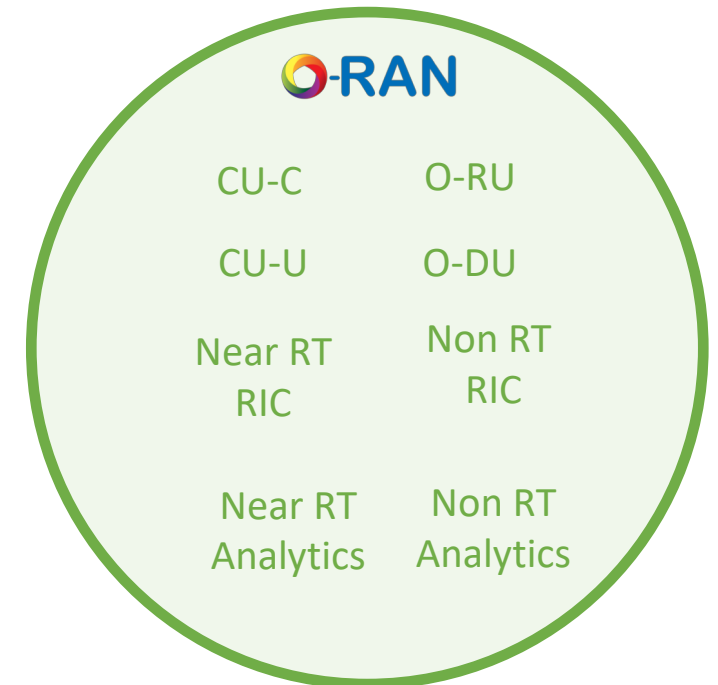
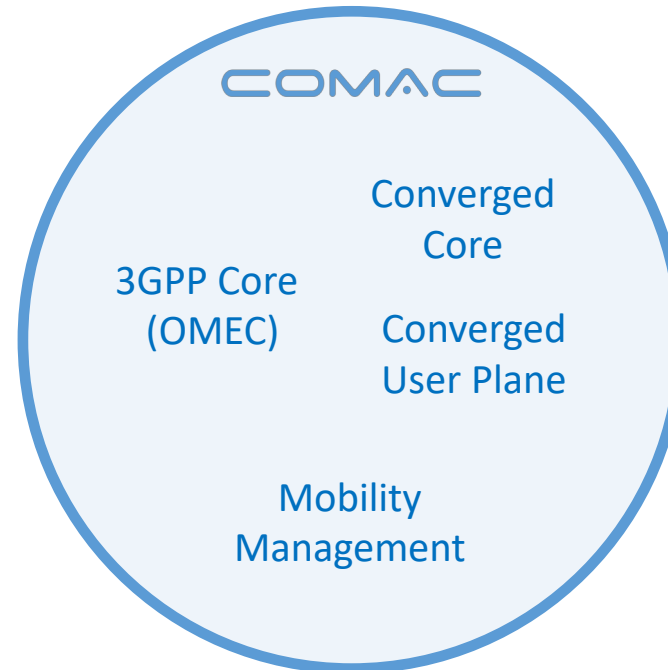
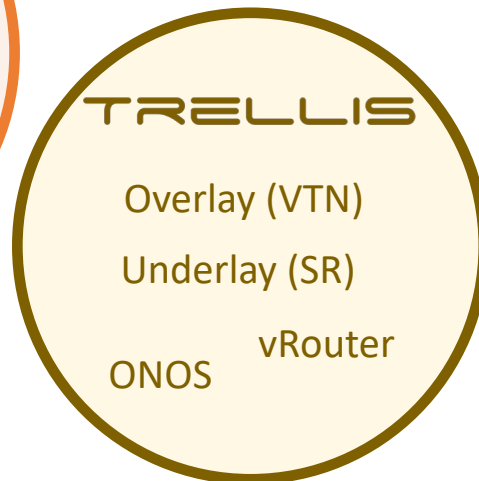
- SEBA – Provides automation and operations as well as control and user plane functions to provide broadband access as a small-scale cloud workload.
- Akraino – Provides “blueprints” to cookie-cutter onboard and bring up pods from 0 to the point they are running K8s and ready to run Helm Charts to start SEBA.
- ONAP – Provides global business automation, infrastructure management, and operations support.
- COMAC, OMEC, MAEC – Open Source for wireless and converged access.

SEBA Development (at AT&T)



Foundry Developers
Foundry System Integration
Foundry Agility
Access Team Reference Design
Access Team User Stories
Access Team Testing
Access Team OCP Specs
Access Team Business Case
AT&T Community Engagement!

AT&T Interest in RDs



White Box Infrastructure

Disaggregation

Virtualization

Cloudification

Orchestration

Next Steps

- Commercialization & Deployment
- Gateway Functions
- Additional Access Technology
 - 25Gbps XGS-PON
 - G.fast
- Pivot to Cloud Control
- Wireless-Wireline Convergence

Thank You

For AT&T – The most important thing is Community!

- ONF has transformed into a carrier-led collaborative open source community
- This means that code is the coin of the realm
 - Opinions are nice, but working code is really persuasive
- This means that there is no “religion” on this protocol or that controller
- ONF developers are helpful, but they cannot write all the code
 - Carriers need to put resources into the efforts and code in the github
- This is not the only star in the sky
 - Use, partner & contribute to other OS communities
 - Avoid cliques and clubs