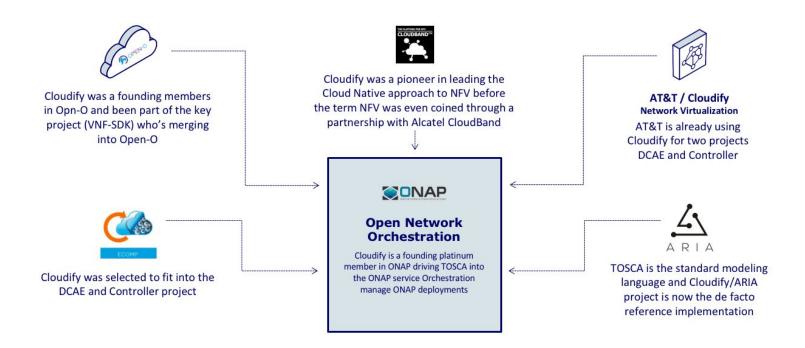




Cloudify Journey to Open NFV and ONAP





Telco Standard Driven













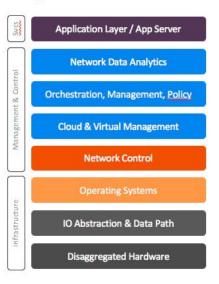


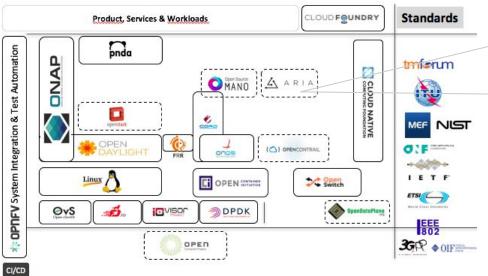


Open Source and Open Standard

Open Source Networking







Cloudify launched Aria as a mean to drive TOSCA modeling through open source.

Aria is now being part of the SO project in ONAP.

Automation of Network + Infrastructure + Cloud + Apps + IOT

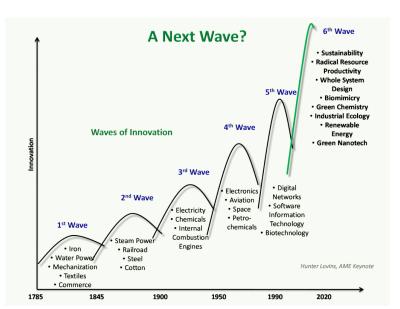


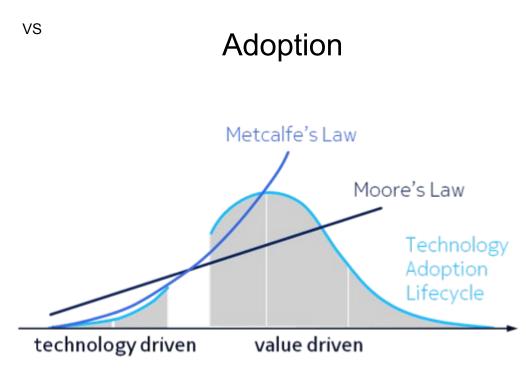
THE LINUX FOUNDATION



What's Changed?

Innovation





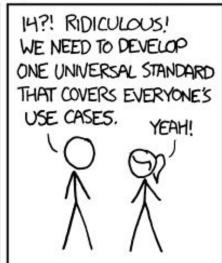


The Challenges with Standards

- Standards can't keep up with the pace of innovation
- Standards are not enough to ensure compatibility and no vendor lock-in

HOW STANDARDS PROLIFERATE: (SEE: A/C CHARGERS, CHARACTER ENCODINGS, INSTANT MESSAGING, ETC.)

SITUATION: THERE ARE 14 COMPETING STANDARDS.







Standards in the Enterprise World





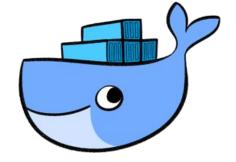




De-Facto Standards

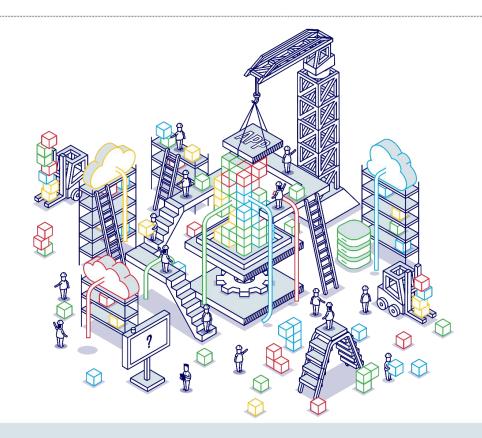






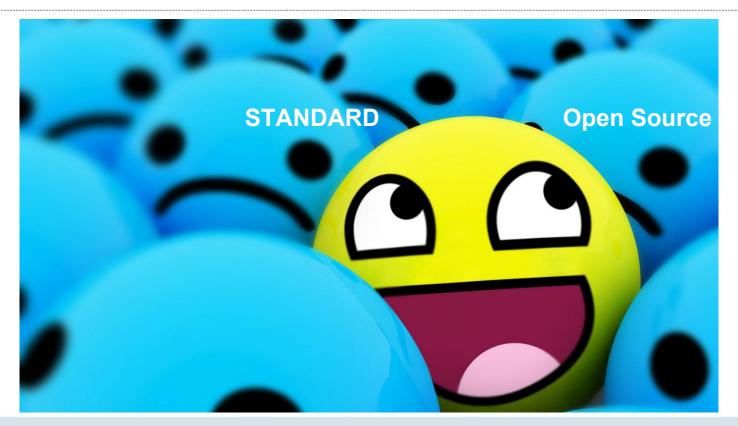


The Siloes Challenge





Finding a Happy Medium





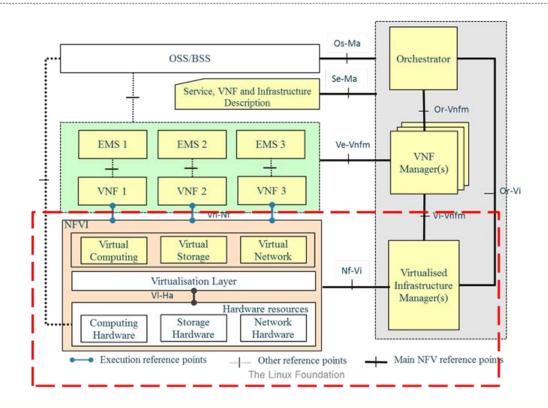
Standards Driving Open Source







ETSI NFV





Open Source Driving Standards

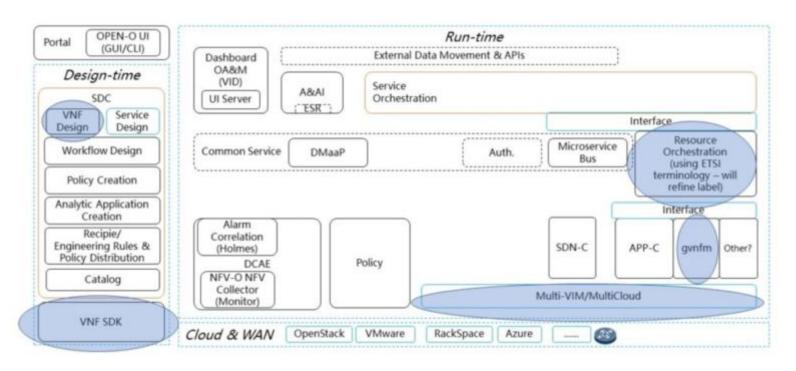








ONAP vs ETSI



ETSI is covering 20% of ONAP Scope Sour





Just Enough Standards



Taking a Pragmatic Approach to Standards

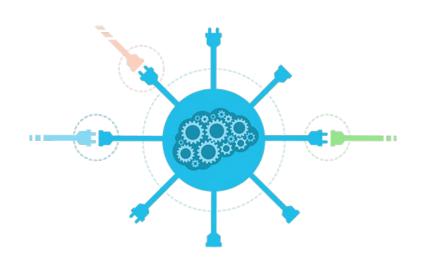


Interop in a Non-Standard World

Least Common
Denominator approach

Brokerage Approach







Multi-Cloud/Multi-VIM

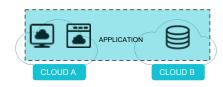
Application Deployment Portability



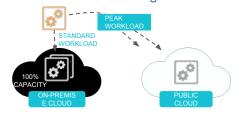
Future Proofing & Migration



Multi-Cloud

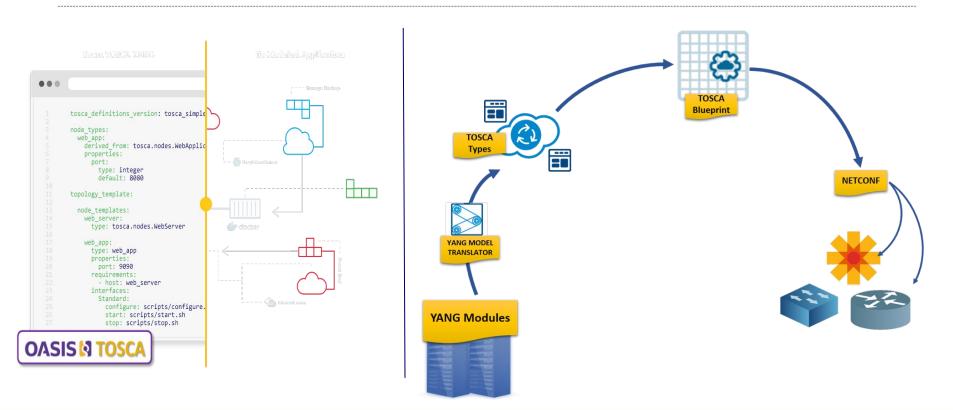


Cloud Bursting



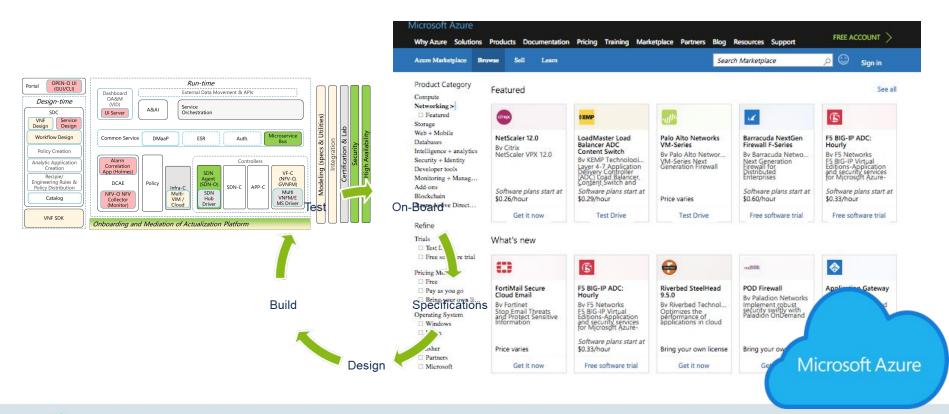


TOSCA/YANG



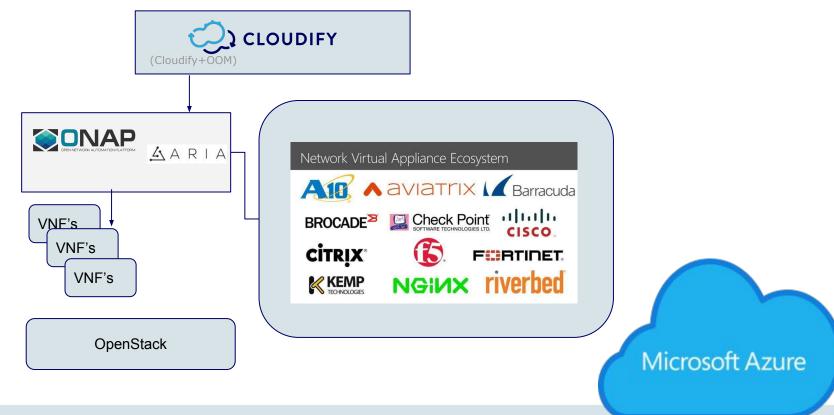


Interop between Azure VNF and ONAP



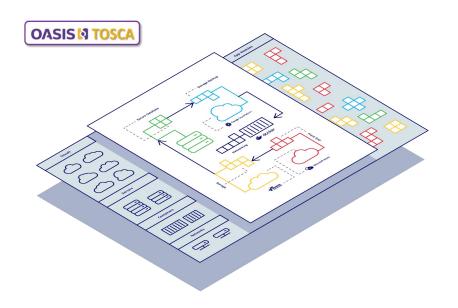


Interoperability between ONAP/Azure

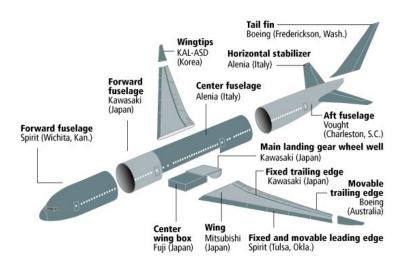




Standard Modeling = Automation at Scale



Example from the Manufacturing Industry



The Boeing 787 could not be produced without standard modeling





With a diverse team, you *WILL* have conflict.

And conflict is **GOOD**.





Summary



Open Source & Standards are better together



Orchestration is key for breaking the silos



Interop doesn't require to compromise on the least common denominator



ONAP and the Linux Foundation is a great platform for driving standard through Open Source

