ONAP Open Lab Project

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ONF Wireless Working Group

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ONAP Wireless Lab (OWL)

community lab at **Rutgers University Winlab** supporting 5G demo's & PoC's beginning September 2017

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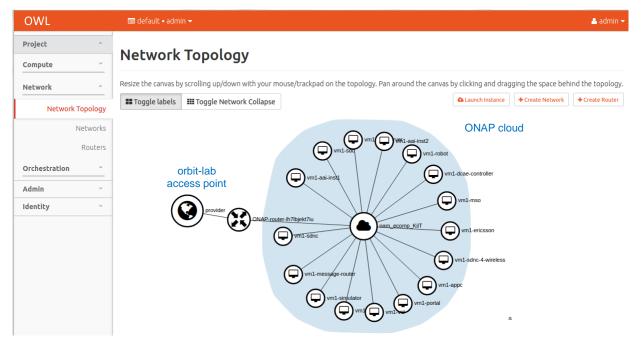






OPEN NETWORKING FOUNDATION

OWL (ONAP Wireless Lab) secure access

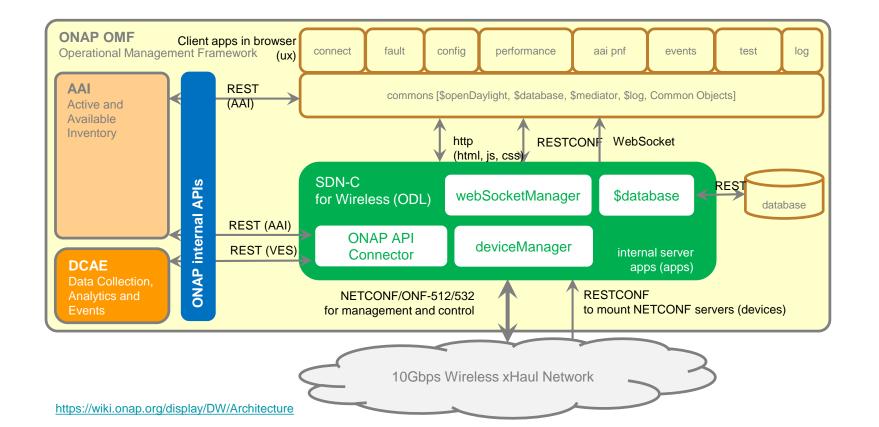


3 step security:

- Registered SSH access from the internet to orbit-lab
- Limited access for selected members from orbit-lab to ONAP cloud, controlled by ONAP.
- 3. Each VM and its application uses SSH and Basic-auth.

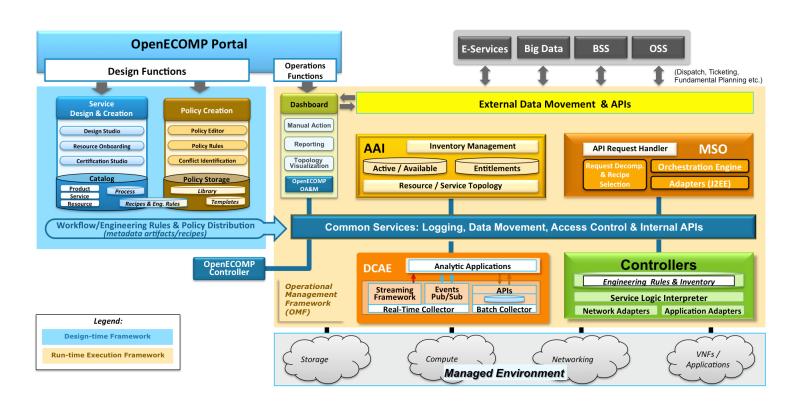
Screen shot: OWL OpenStack Network Topology 2017-09-06

Integration of 10Gbps Wireless xHaul into ONAP architecture

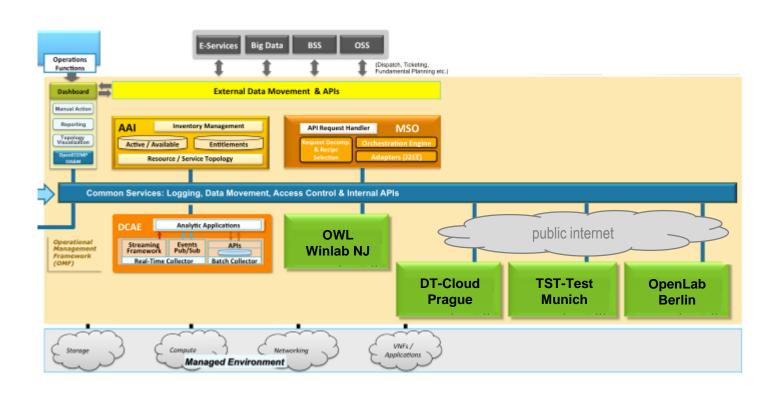


AirInterface Topology (IoT, eNB with 10Gbps Wireless Xhaul) **Ethernet** (((())) (((@)) Ericsson-B Ericsson-D Ericsson-A Ericsson-C DragonWave-B DragonWave-A ((((()))) (((e))) Nokia-A Nokia-B Nokia-D Nokia-C DragonWave-C DragonWave-D Work in progress: Add TrafficAnalyser Add IoT sensors, eNBs, DAS Add traffic/service paths

ONAP Architecture



Joint ONAP & ONF PoC week of November 27th 2017



Network Adapters (mediators) @ OWL (WinLab) and distributed labs

