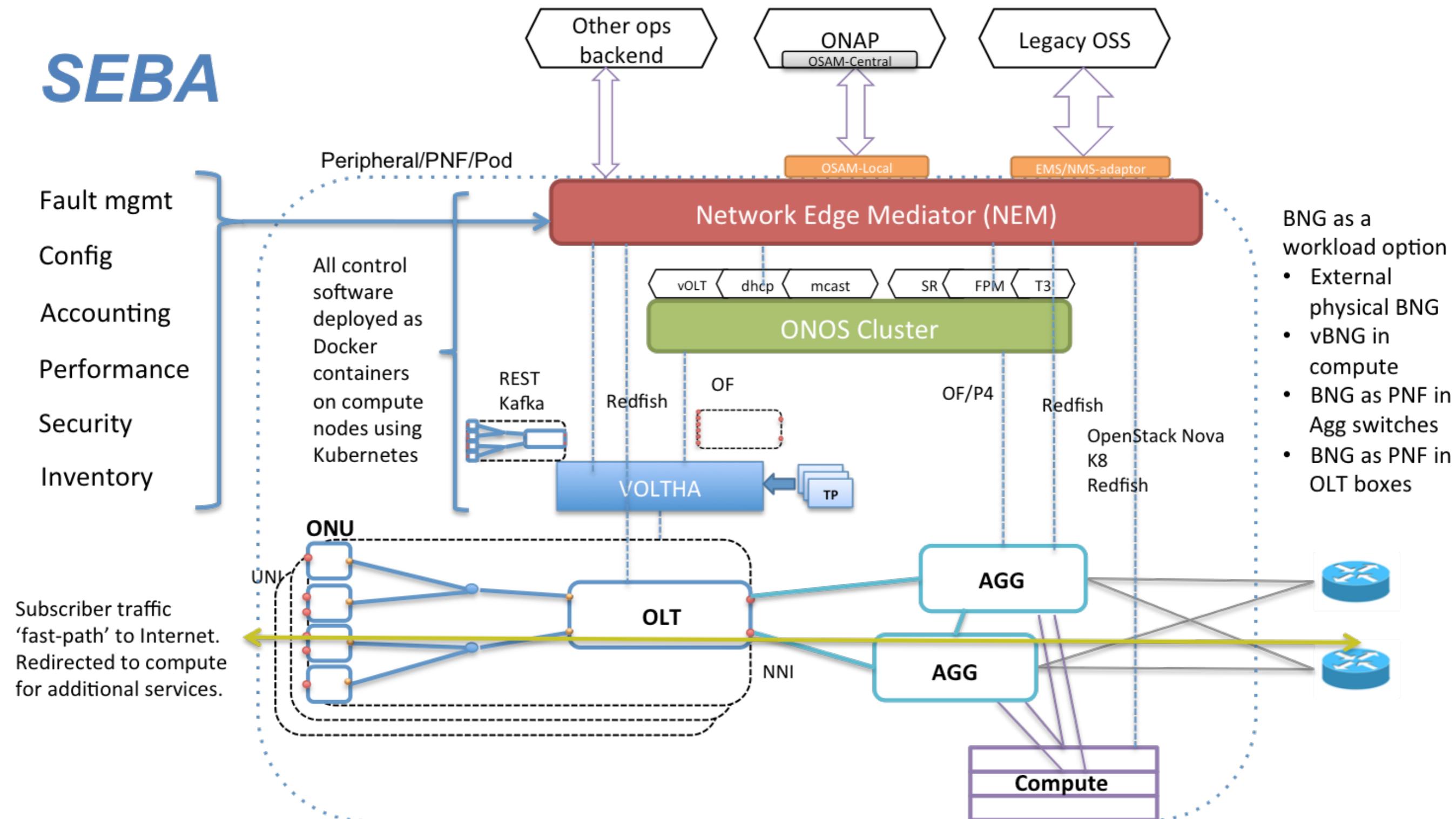


OpenOLT

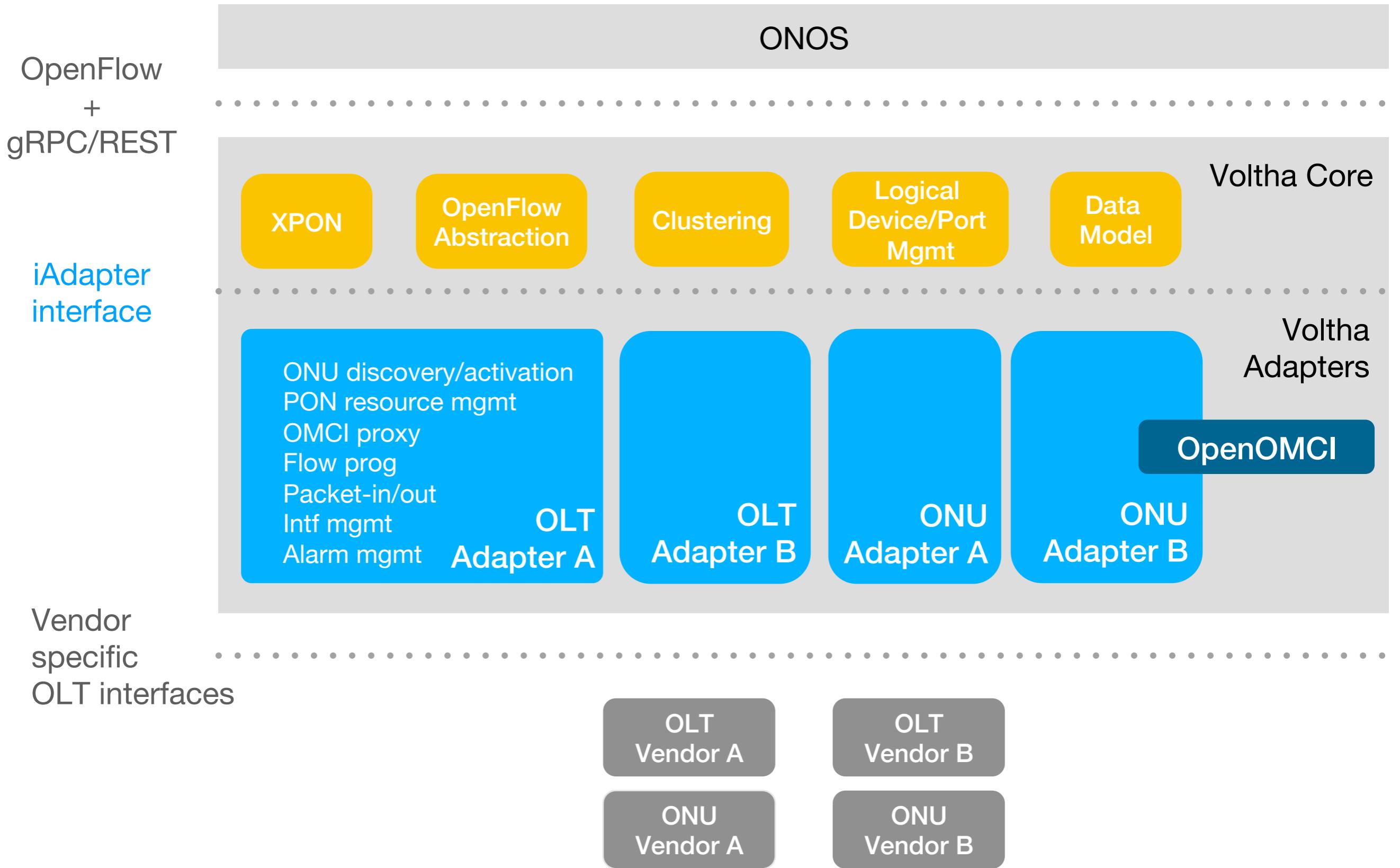
Voltha's Generic OLT Adapter

December 5, 2018

SEBA



Voltha Interfaces



Disaggregation

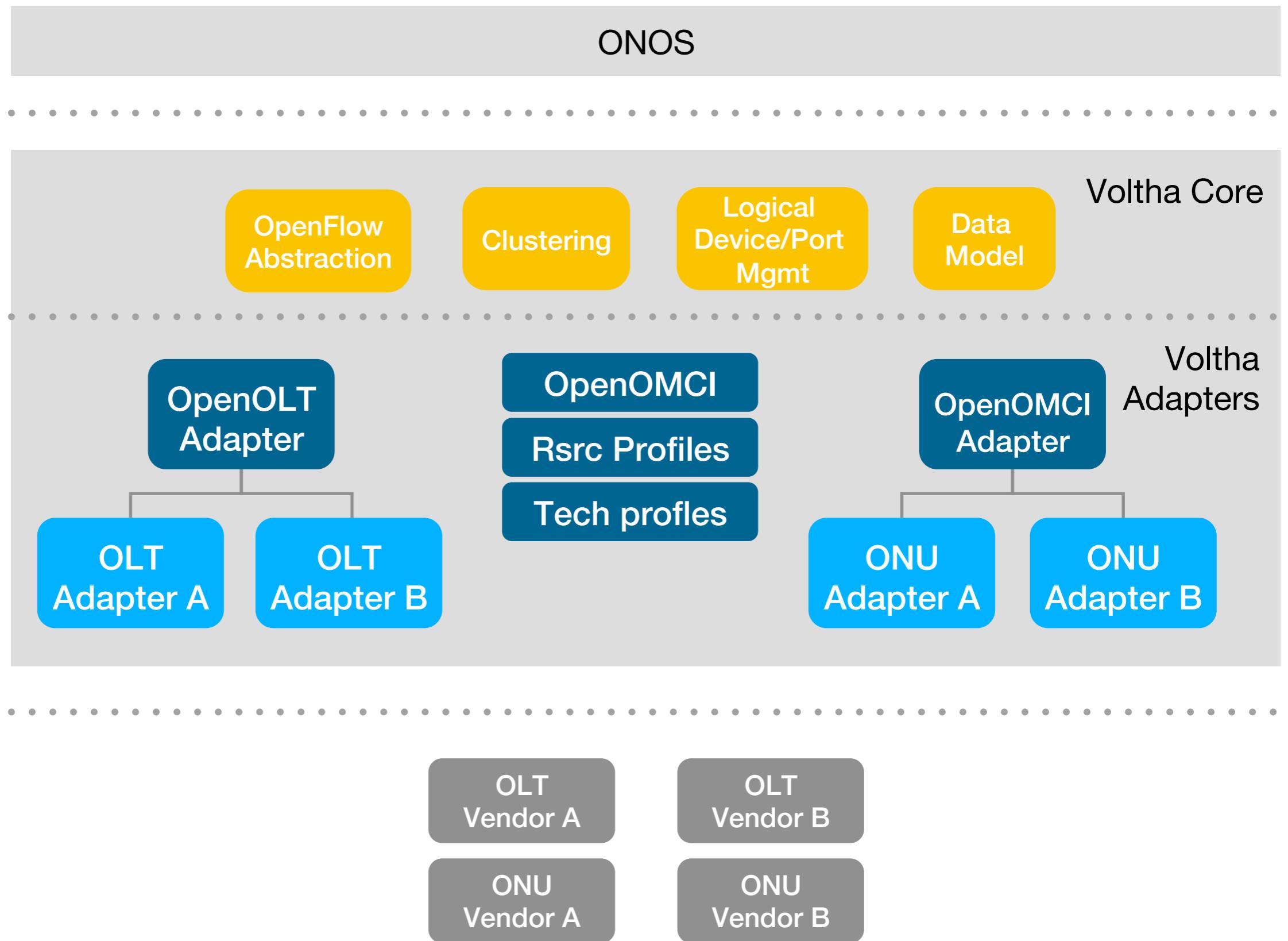
- Adapter siloization, vendor lock-in, code duplication
- High-barrier entry for OLT OEM vendors
- Revisit iAdapter interface - Disaggregation works best at the lowest level possible

OpenOLT gRPC interface

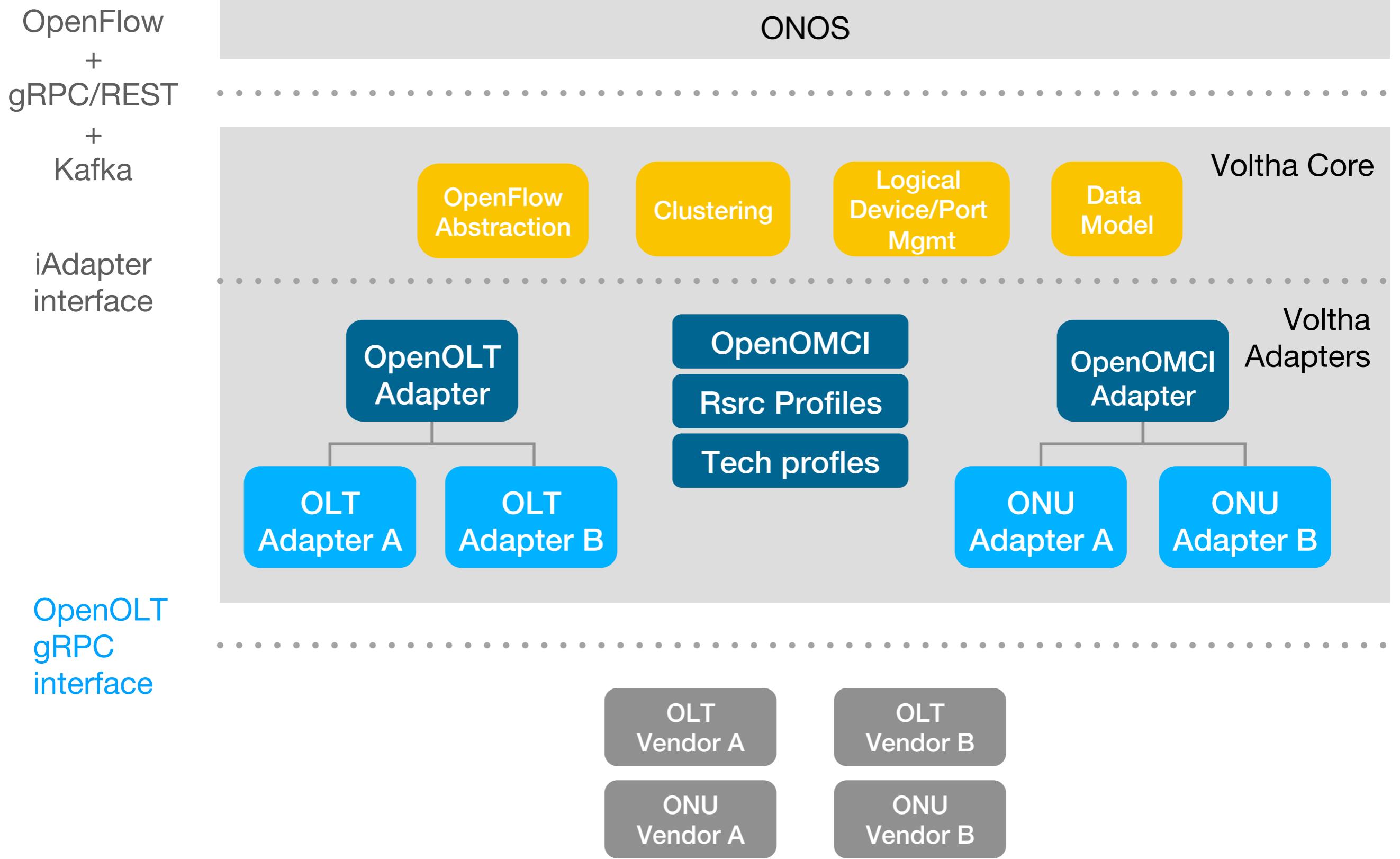
OpenFlow
+
gRPC/REST
+
Kafka

iAdapter
interface

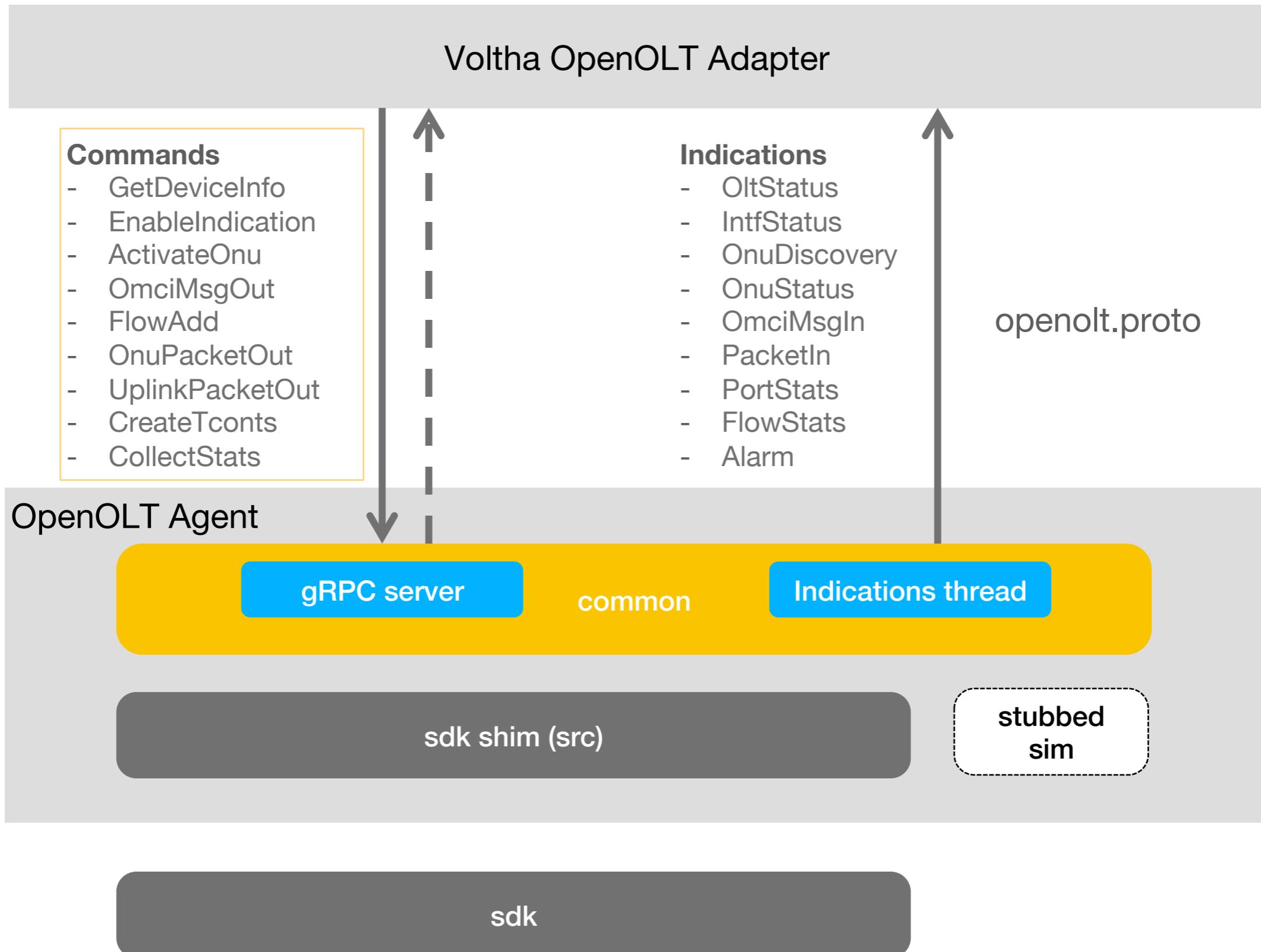
OpenOLT
gRPC
interface



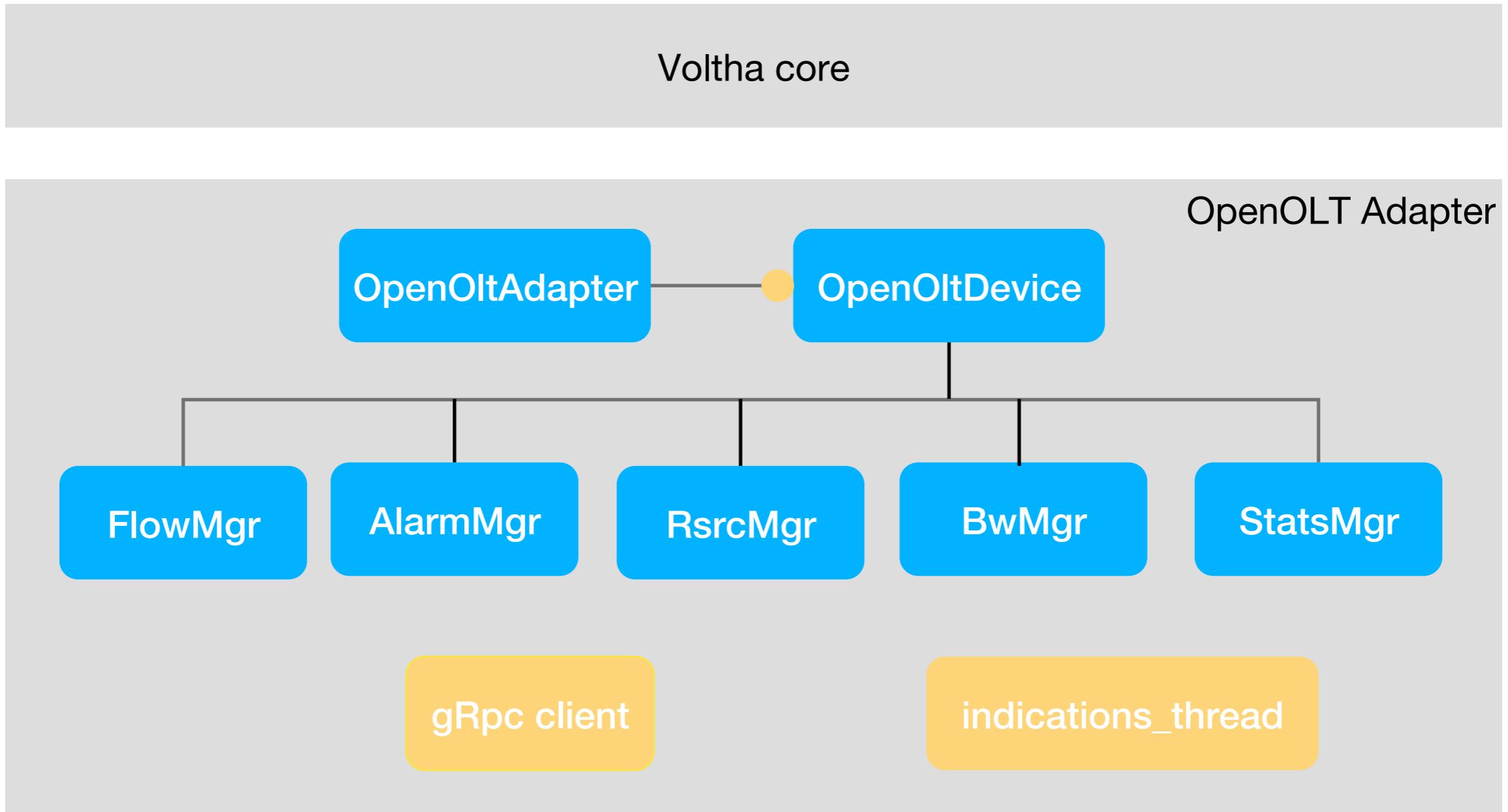
Common adapter and infra



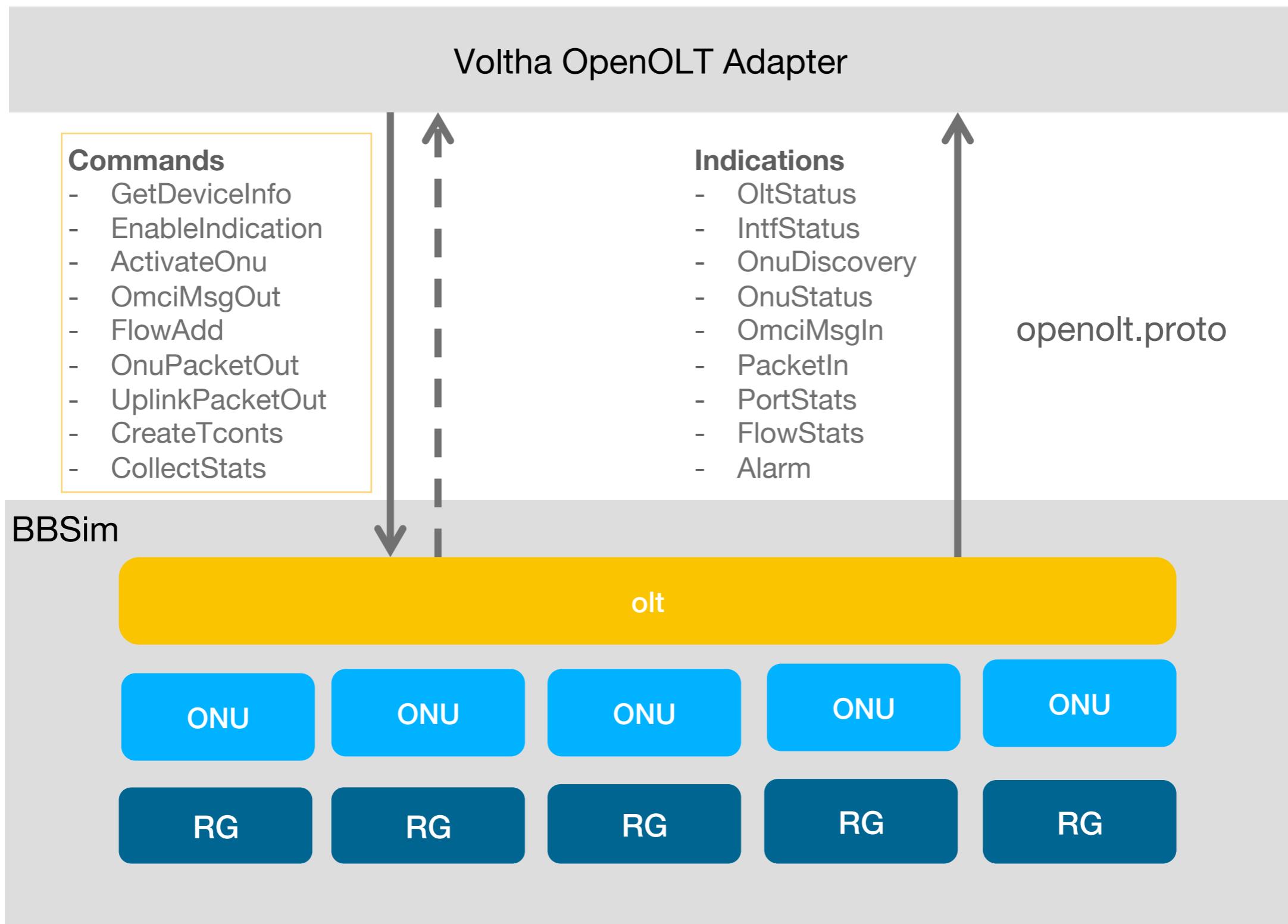
OpenOLT gRPC



OpenOLT Adapter Classes



OpenOLT and BBSim



Current Focus

- 2.0 Containerization
- Integration with SEBA
- Robustness, scale, BBSim
- Resource and Technology profiles
- Software image download
- Multi-technology support
- Hierarchical QoS
- Multicast