

Defining vendor-neutral data models

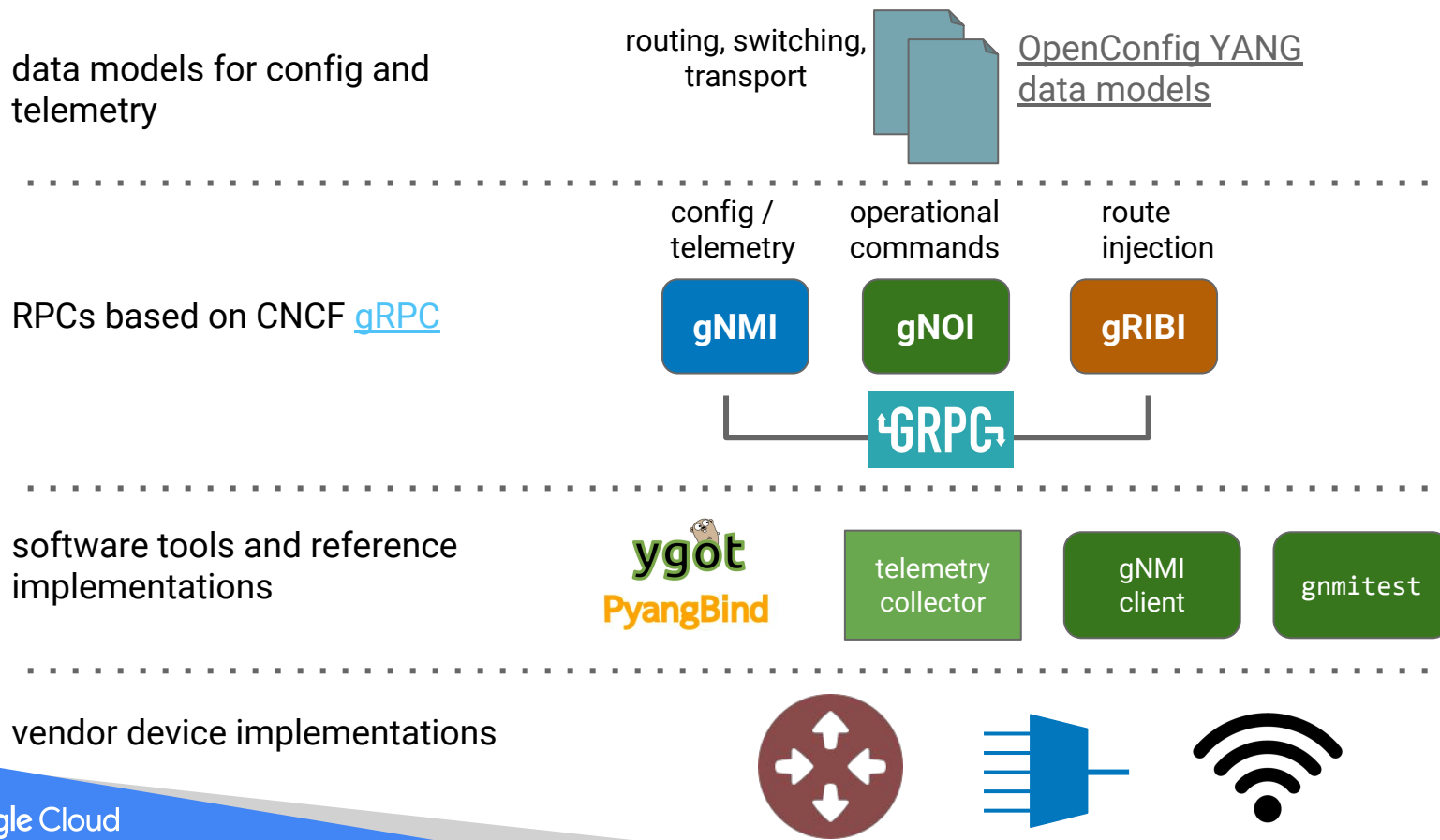


Collaboration with network operators to define vendor-neutral device models

- functionally complete models for config and opstate data
 - initial focus on management and control plane
- based on YANG, a standard DSL for data modeling
- work with vendors to consume data models natively on devices



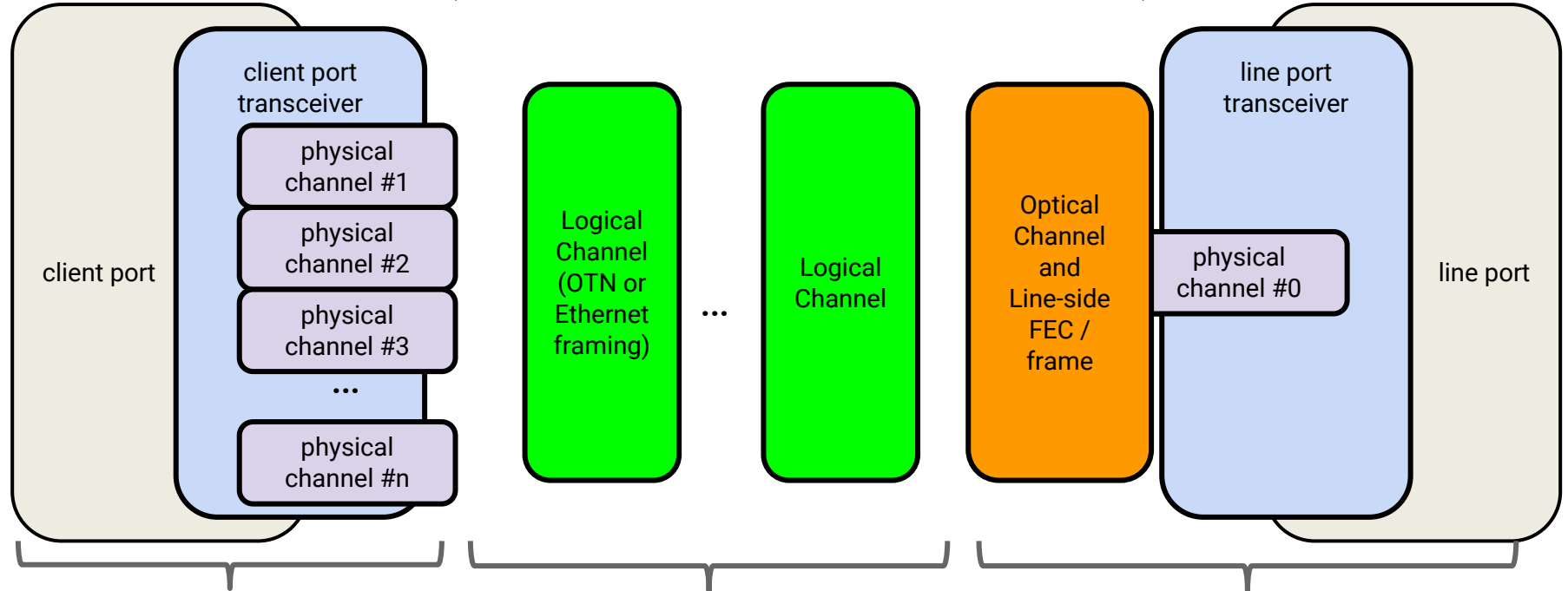
OpenConfig technology ecosystem



External projects leveraging / supporting OpenConfig

- [gNXI](#) - FAUCET compliance tests for gNMI and gNOI
- [napalm-yang](#) - multi-vendor network automation library
- [napalm-logs](#) - vendor-neutral syslog
- [Zebra 2.0 on Lagopus](#) - routing stack and softswitch
- [GoBGP](#) - BGP routing stack written in Go and gRPC
- [OpenDaylight](#)

Terminal optics (transponder / muxponder)

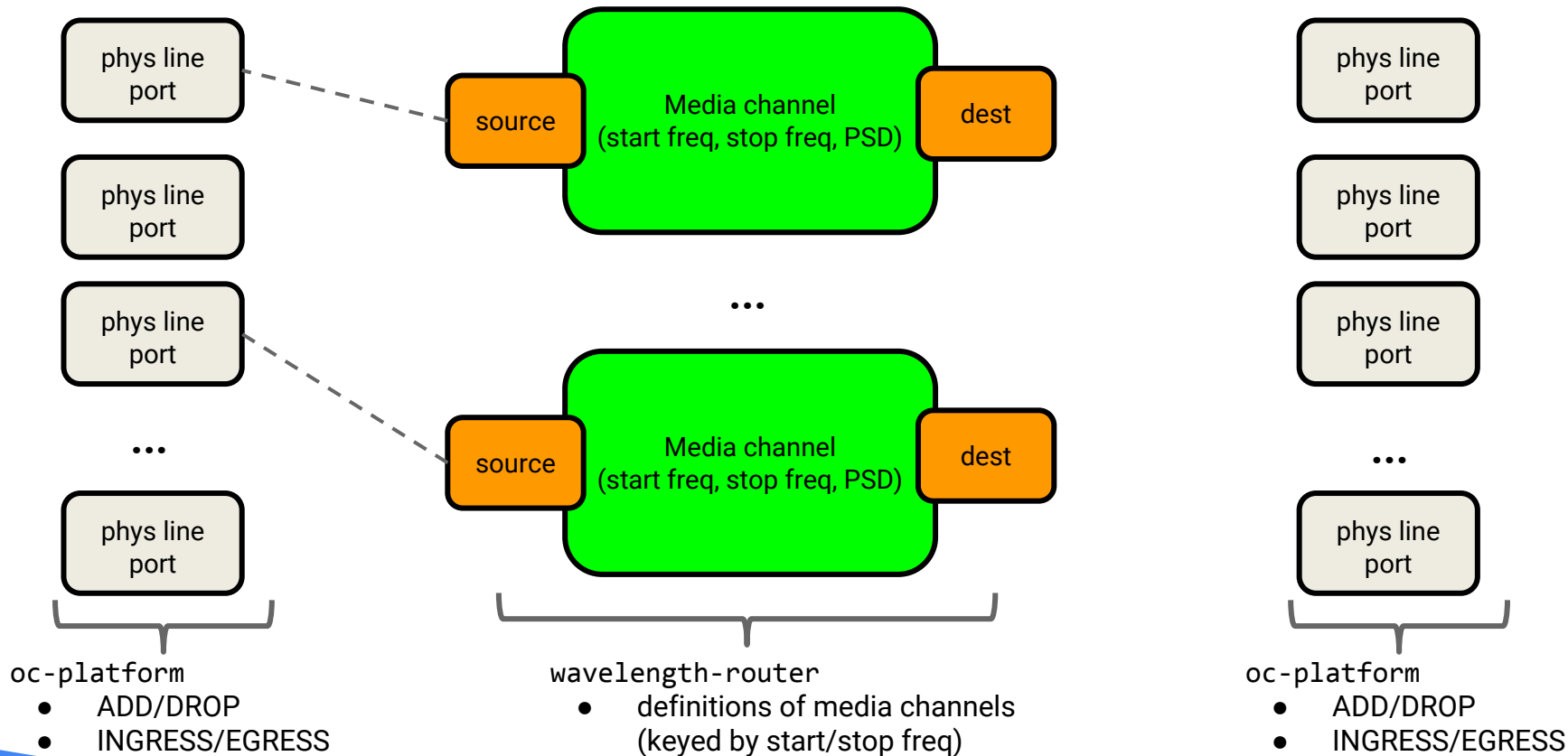


- openconfig-platform
- client port
 - transceiver w/physical channels

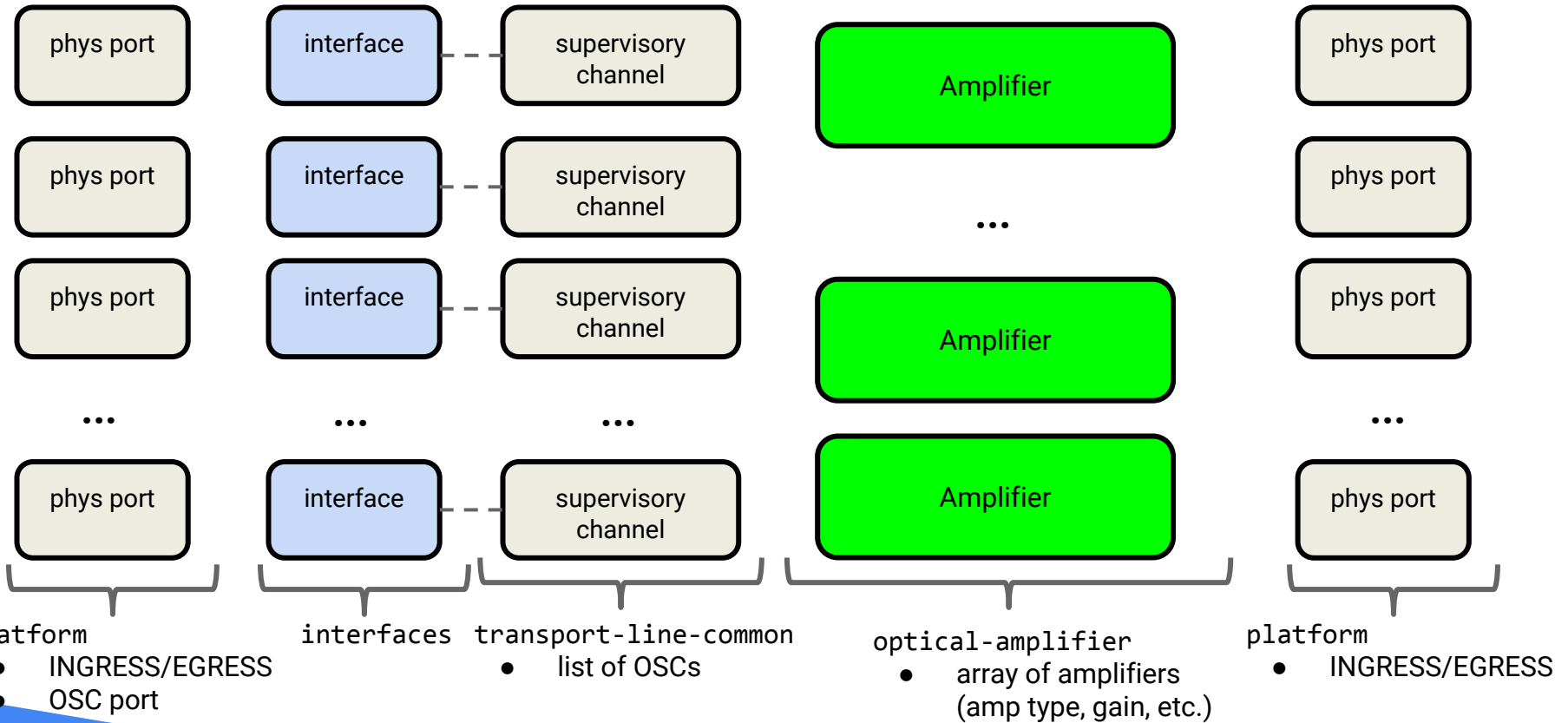
- openconfig-terminal-device
- protocol termination
 - multiplexing
 - signal grooming

- openconfig-platform
- line-side FEC
 - platform-defined operational modes
 - line port / transceivers

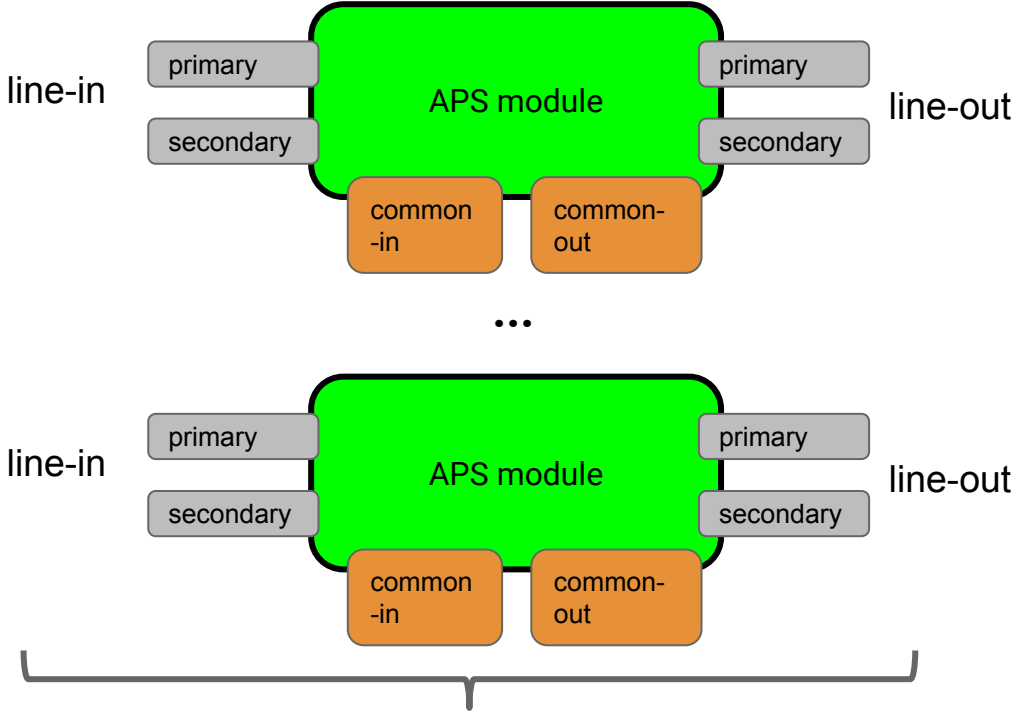
Wavelength router (ROADM, WSS)



Optical amplifier (ILA, EDFA/RAMAN)



Automatic protection switch (APS)



transport-line-protection

- array of APS modules (target attenuation)

Optical channel monitor connections

