

# OPEN-O (Orchestrator)

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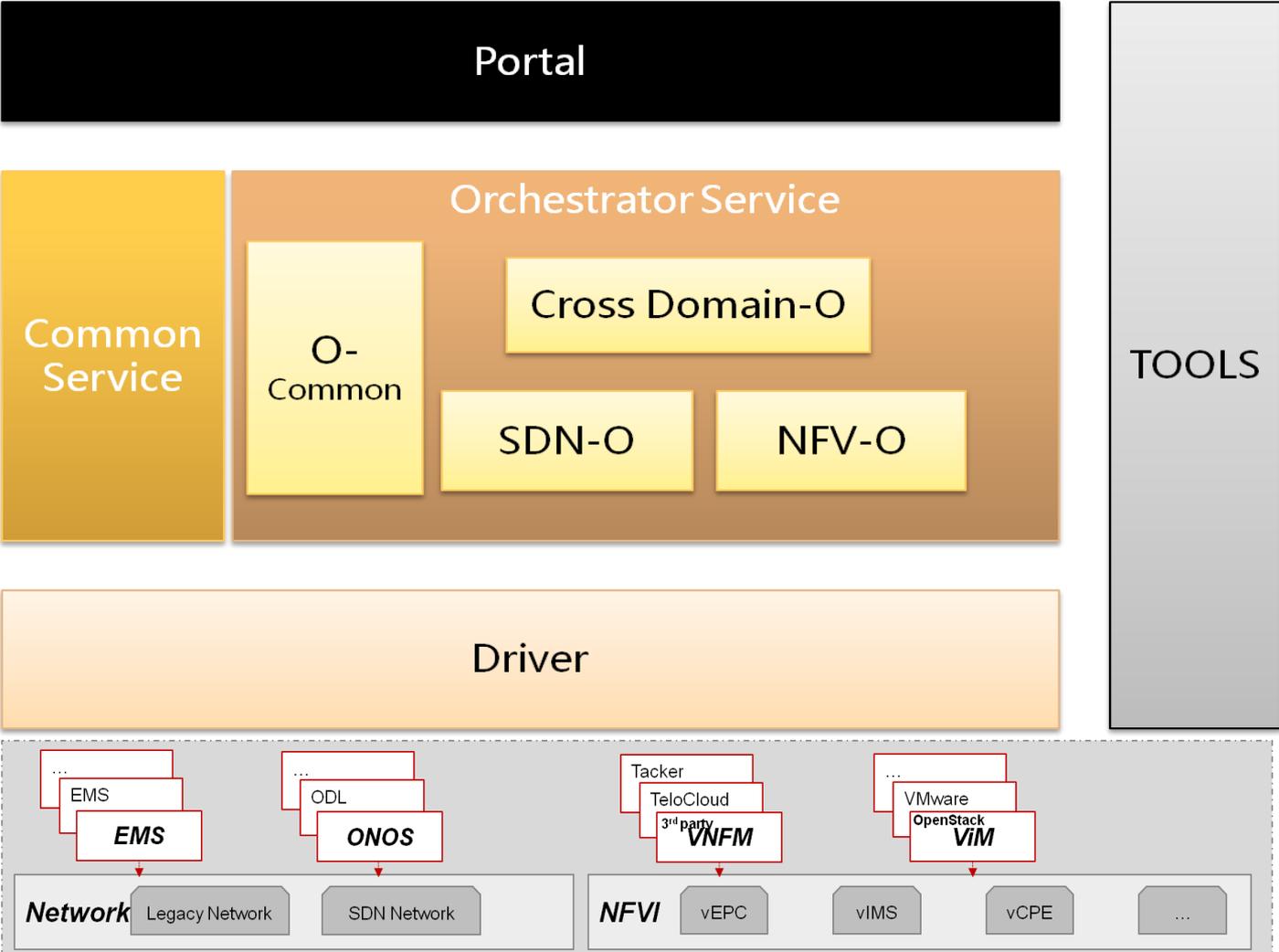
# Disclaimer

- These slides are based on a presentation made at ONS (Open Network Summit) 2016 + few recent additions
- The following represents general proposals being worked on by the Open-O formation community
- The following material has not been approved or endorsed by the perspective members, but represents current working drafts
- We would like to extend an invitation to the broader community to join Open-O

# Open-O: A proposed new Open Source Project under Linux Foundation (LF)

- LF already hosts many Open Source Projects for telecommunication like
  - SDN controller: ODL, ONOS
  - NFV: OPNFV for integration
- Cloud management System / Virtualization: Openstack
- What is missing: a MANO like service decoupling Service from the Infrastructure + WAN-SDN ==> Open-O

# OPEN-O High Level Architecture



# priority: A common language for MANO

## Comms Innovation

*Compliance & Stability*



## Cloud Innovation

*"Fail Fast", Low-Cost Iteration*



## Cloud-Pace Innovation for Comms

*Standardized Data Model*



Modular  
Clear layering  
Descriptor ownership



# Proposed OPEN-O ↔ IETF/IRTF – VNFRG interaction

- 1. NFVRG: explore implementation/simplification of ETSI NFV usage for NFV-O + WAN-SDN**
  - Attempt to stay ETSI ISG NFV compliant
  - Interest in exploring roles / interaction of TOSCA ↔ YANG
- 2. SDNRG: explore new OPEN-O SDN requirements e.g. for SFC, BGP routing, Basic SDN configuration, etc.**
- 3. OPSAWG: YANG model support + extensions**