



# ONAP takeaways summary and priorities

Pawel Pawlak, F5

<https://lfnetworking.org>



# Agenda

- ONAP consumers and key points raised
- Backlog
- Priorities
- Q&A



# ONAP consumers takeaways



# ONAP consumers

- China Mobile: Keguang He – TSC meeting January 12th
- Bell Canada: Ram Krishna Verma – TSC meeting January 19th
- NSA: Maggie Cogdell and Justin Garrard - TSC meeting February 9th
- Spark New Zealand: Vishal Sharma – offline recording February 15th

Applause!!!

# ONAP consumers: China Mobile

- Modules used:
  - SDC
  - OOM
  - AAI
  - SO
- Use cases:
- Implementation based on El Alto release and customizations for:
  - AAI (Replacement of Janus Graph with Nebula Graph and MySQL)
  - SO (Replacement of Camunda Engine with Flowable)
  - Addon of new NB adapter for integration with other northbound system
- Requirements raised:
  - Container orchestration capabilities and Nephio integration
  - Support resource pool scheduling

# ONAP consumers: Bell Canada

- Modules used:
  - SDC
  - SO
  - AAI
  - Policy Framework
  - CDS
  - SDNC
  - DMaaP
- Use cases:
  - Orchestration: Network Slicing and Zero touch provisioning
  - Automation: Closed Control Loop and Open Control Loop
- Requirements raised:
  - High barrier of new ONAP user onboarding that could be reduced by better trainings and documentation
  - It takes time to contribute to ONAP, especially for PTL
  - Too much bureaucracy and not agile approach
  - Maintainability of ONAP components upstream
  - LCM of components & the platform:
    - upgradability
    - database migration
    - example: models in SDC cannot be migrated
  - OOM charts are not suited for component level upgrades
  - Moving towards Strimzi
  - Visibility of automation Operations
  - Interface with O-RAN and help in solving the puzzle
  - Interface with Nephio and utilize the capabilities offered

# ONAP consumers: NSA

- Modules used:
  - AAI
  - DMaaP
  - SO
  - CCSDK
  - SDC
  - SDNC
  - Policy
- Use cases: Private 5G and security analytics
- Implementation based on Honolulu -> Kohn -> Istanbul release
- Requirements raised:
  - Sizing guidelines and documentation on resource allocation
  - K8s storage driver instead of hardcoded Helm path
  - Missing or hard to find API documentation for most ONAP components
  - CBA packages that use CCDSK
  - Use case requirements and assumptions

# ONAP consumers: Spark New Zealand

- Modules used:
  - OOM
  - SO
  - ONAP ETSI NFVO
  - SDC
  - AAI
  - DMaaP
  - AAF
  - ONAP SDK
  - ONAP Modelling ETSI Catalog
  - ONAP ETSI Adaptor
  - VNFM Simulator
- Use cases: VNF orchestration and integration with E/// and Nokia VNFs, Zero Touch Automation
- Implementation based on Guilin release with plan to upgrade, Openshift OKD used
- Requirements:
  - ETSI CNF orchestration roadmap
  - Adoption to new LFN projects: EMCO and Nephio
  - ONAP ETSI adoption for TOSCA version 3.x and 4.x
  - Vendor CSAR package parsing by SDC
  - Resource orchestration
  - Eliminate Portal SDC UI hanging due to cached DB
  - vRAN adoption
  - TOSCA parser update





# Backlog



# TSC Backlog

- User friendliness
- Streamline processes to limit overhead
- Modularity
- ETSI CNF orchestration
- Resource pool scheduling
- Interface with ORAN but also vRAN
- Interface with Nephio
- ...



# Priorities



Projects Are Short On Resources so we must prioritize efforts!

- User friendliness
- Processes/Resources optimization
- Hello ONAP concept

Will make new ONAP users onboarded easier and faster



# Thank you!

