



# 5G Network Configuration Management & SDN-R work

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# Overview of SDN-R work:

- Goal of SDN-R team is to develop extensions/models for OpenDaylight based SDN-C controller to support wireless *transport* network
- Team is focused on contributing code in SDN-C in the following areas:
  - License & Spectrum Management Logic
  - RAN and Wireless Management Logic
- SDN-R team is also defining a shared data model for wireless transport
- In addition to wireless transport, 5G use case requires application level (L4-7) parameter management for disaggregated 5G elements like DU, CU-UP, CU-CP, etc.
- Key Architecture Guiding Principle for 5G Controller Design Are:
  - There should be only one ONAP controller persona for all Mobility functions (e.g. LTE, 5G, RAN, Wireless, Core)
  - All 5G RAN and Core elements (e.g. DU, CU, UPF) should be controlled by the same ONAP controller persona, due to cross-dependencies (e.g. CU-UP and UPF can be combined into one NE)
  - The same ONAP controller persona should support OA&M lifecycle management (config, change, reset, suspend, resume etc.), and include all interfaces needed (e.g. Netconf, Chef, Ansible)

# ONAP Project Repos & Executables: Casablanca

