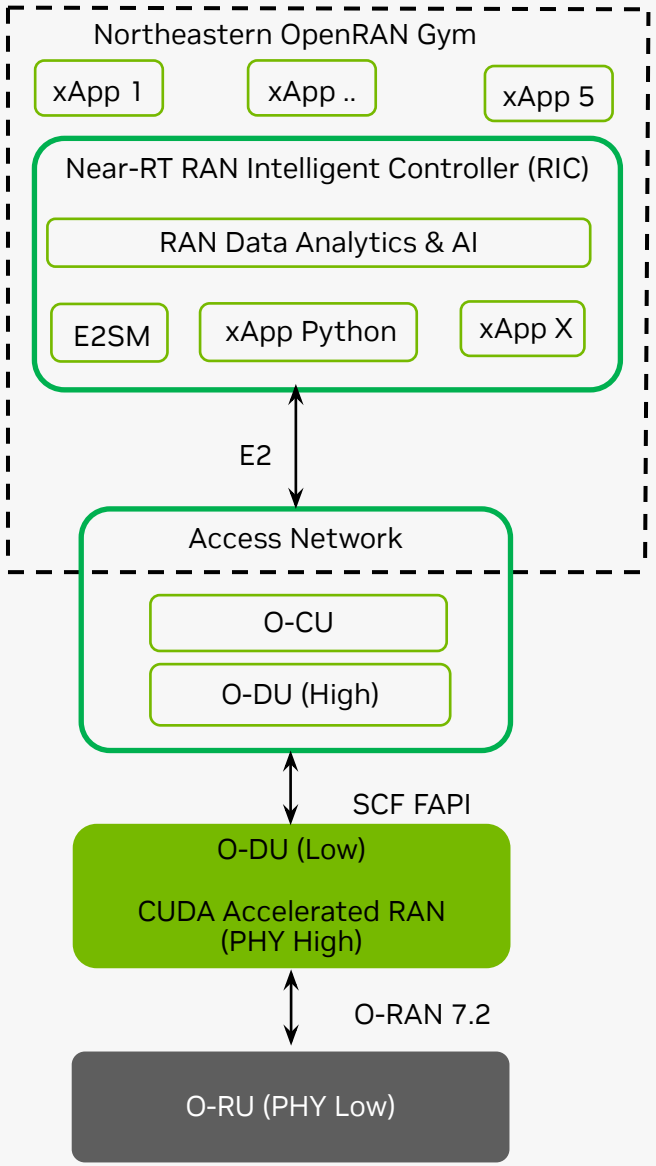

Aerial RAN CoLab – OTA OpenRAN Gym Blueprint

Developer extension integrated with OSC RIC

- Streaming of relevant key performance metrics (KPMs) and the enforcement of control actions to reflect decisions taken by the xApps on a Near-Real-Time (Near-RT) RAN Intelligent Controller (RIC) blueprint is shared through the OpenRAN Gym integration and an example monitoring xApp.
- Potential xApps can be developed for network intelligence like handover optimization, policy enforcement, resource assurance or radio link management or resource control applications like load balancing or network slicing.
- Northeastern has integrated the E2 interface with O-RAN OSC RIC and a template monitoring xApp using a custom E2 Agent to E2 Service Model. xApp Python bindings and xApp Connector collectively provide the RAN close loop monitor and control functions . This tooling helps developers incorporate network adaptability functions with AI/ML based xApps