Mosaic5G Status and Roadmap
Agile 4G/5G Service Delivery Platforms and UCs

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Mosaic5G Dual Objectives

Provide an ecosystem of open source 4G/5G service platforms, reusable components and use-cases

Unlock open innovations in mobile networks

Provide an SDK to architect and compose your custom 4G/5G network-service delivery platforms tailored to your use-case
Mosaic5G 3 Platforms

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3-Clause BSD License (4G MME & HSS)
FlexRIC
An SD-RAN platform

- Generic E2 Agent and basic FlexRIC ✓
  - Compliant with ORAN-SC RIC/E2
  - Both 4G and 5G
- Customizable and Composable Controllers
  - Multi-RAT, Multi-service, Multi-vendor
- Advanced Service models
  - Slicing, TC, Mobility mgt.
- Ultra-lean design Features ✓
  - Simplicity, efficiency, reusability
  - Zero extra overhead
FlexCN
An SD-CN platform

- Roles (scenario-dependent)
  - 4G/5G Controller ✓
  - NEF, AF, NWDAF

- Features
  - Monitoring per UE/QFI/Slice ✓
  - Traffic Control Policy (AF/SMF/PCF/UPF)
  - UE Subscriptions (UDM/UDR)
  - Mobility management (AMF)
  - Slicing (NSSF)

- Similar design features as FlexRIC
Trirematics
An Agile 4G/5G Operator

➢ Three main components
   ➢ Multi-x ✓
   ➢ Mon-x ✓
   ➢ Auto-x ← AL/ML Engine
➢ FlexRIC & FlexCN Resources
➢ Use-case blueprint repository
   ➢ 4G and 5G
➢ Use-case driven CI/CD framework
Mosaic5G RoadMap

- ORAN-RIC (Cherry) Compatibility
- FlexRIC & FlexCN Monitoring / DB Integration
- FlexRIC/FlexCN slicing SM and UE mgt, Slicing xApps/SDK

- OAI-RAN generic E2 agent and HWSM
- FlexRIC & FlexCN Monitoring / DB Integration
- Basic SDK & KPM xApps framework

- Multi-service FlexRIC/FlexCN,
  - Trirematics RAN monitoring
  - FORAN-RIC (dawn) Compatibility
  - Trirematics CN monitoring
Final Word

OSA Mosaic5G Project Group is just bootstrapping

Unlock open innovations in 4G/5G arenas from a rich ecosystem of reusable platforms, components, and use-cases

Join US in this innovative journey

Project Charter
Q&A?

Mosaic5G, Enabling Agile and Open 4G/5G Service Delivery Platforms and Ucs

https://openairinterface.org/mosaic5g/