Accelleran Positioning

- **RAN Protocol & Integration**
- **Cloud Scaling & Virtualization (Containers)**
- **AI Automation**

**dRAX Products & Services**

**IT Skill to Telco**

**CORE ASSETS**

**Need of RAN Know how**

**dRAX in Sweet Spot of required technology competence in the new Open RAN paradigm shift**
MWC2019: dRAX Product Launch

First O-RAN Aligned Control Plane
dRAX Principles

• dRAX = loosely coupled CU (4G + 5G) + Near-RT RIC
• Cloud Native Microservices architecture
• 4G/5G coexistence
• Scalability
• Openness
  • Data
  • Orchestration
  • RIC platform
Why Cloud Native?

- Platform Agnostic
- Dynamically Orchestrated
- Dev Ops enables service innovation
- Scalable and Fault Tolerant
- Leveraging huge open source asset base
- De facto assumption for the future of telecom virtualisation
Accelleran dRAX – API’s

3rd Party Application (Orchestrator, GUI, ...)

NetConf

REST

(3rd Party) Applications / non-RT RIC
- Big Data
- AI / ML
- Visualization
- ...

Accelleran dRAX near-RT RIC

Open Api

NFVI

4G or 5G

L1

L2

L1

L2


Accelleran Data Bus

redis

docker

kubernetes

Contact: info@accelleran.com
dRAX RIC : App Store for the RAN

Accelleran Focus:
Plug’nPlay/Easy Instal, ANR, MultiConnectivity, NH Multiple RIC

Partnerships xAPPs
- Interference Management
- RAN Intelligence and Automation
- Smart HandOver (Joint IP)

Accelleran Proprietary
**dRAX RIC Platform**

**Productized Framework**
- Existing customer References
- Community & Support
- Easy Installation (Helm)
- Real RAN Components support
- Cloud Native

**Databus** Pub/sub Messaging
- CU data & control hooks
- inter-xApps communication
- Security
- Open to 3rd Party CU/DU/…

**Core RIC Services**
- xApps Lifecycle Management
- Policy Management
- Orchestration
- API Proxy
- E2 Broker*

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**Accelleran xApps**
- PCI
- ANR

**3rd party**
- Dashboard
- KPI Broke
- Interference Mgmt
- Geolocation
- Smart Handover

**Core RIC Services**
- API Proxy
- Systems Metrics
- Service Orchestrator
- E2 Broker
- Service Monitor
- State Monitor

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**dRAX Near-RT RIC**

**DataBus**

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**Accelleran Proprietary**
dRAX Dashboard xAPP

- Monitoring
- Cells Configuration
- Systems Health
- xApps Onboarding

Example xAPP Architecture

- RIC DataBus
- NetConf
- GUI
- Core RIC Services
- Dashboard xAPP
- NetConf
- Server
- Time Series DB
- Metrics
- Core
- Chart Services
Example xApps

Automation & Operational efficiency

AI-based Cluster Optimization

When Open RAN meets A.I.
Application to Private Cellular

- 4G vs 5G

- Simplicity of deployment / Operations
  - « Plug and Play » - Wifi-like
  - Virtualization

- Complementarity with Wi-Fi – Multiconnectivity

- Development and Education of Vertical Integrators
  - End to End solution / Managed Service
Accelleran Positioning

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Accelleran Proprietary
Thank You

Contact Information
Additional Helpful Links