Mosaic5G.io
Enabling Agile 5G Service platforms
What is Mosaic5G?

A non-profit initiative fostering a community of industrial as well as academic contributors for open-source software development to realize the service-oriented vision of 5G.
Why Mosaic5G?

Mosaic5G was formed to develop, promote, and share an ecosystem of open-source platforms and use-cases for 5G system R&D leveraging SDN, NFV, and MEC tech enablers.
Open Wireless Innovation

Enabling Agile 5G Service Platforms

Mosaic 5G Ecosystem

Open UP/CP APIs (P&P 3rd party Apps)

Open Collaborative Communities

Open Data and Analytics
Mosaic5G Directions

Control and data plane programmability
Model-driven network service orchestration
with RAN/CN plugins
Plug-and-play network applications and platform SDKs
Open datasets, analytics and big data for telecom
Blend of communication, computing, and analytics
Mosaic5G Ecosystem
Mosaic 5G Use Cases

E-Health
Reshape the healthcare application in Health 4.0

IoT
Leveraging IoT, Innovations shifts from products to solutions

V2N
Enabling future intelligence transportation system

GREEN NETWORKING
5G Network slicing leads to smart grid innovation
Mosaic5G Membership: Our process is easy

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<th><strong>User</strong></th>
<th><strong>Contributor</strong></th>
<th><strong>Sponsor Partner</strong></th>
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<td><strong>Free of Charge</strong></td>
<td>Access to the code and documentation</td>
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<td>Build a custom solution for your use-case</td>
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<td>Access to mailing lists and get support</td>
<td>Access to Training and prototyping sessions</td>
<td>Get support to build a PoC</td>
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<td>Share use-case and PoC</td>
<td>Access to new features and fixes</td>
<td>Establish a collaborative R&amp;D project</td>
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<td>Lead a collaborative R&amp;D project</td>
<td>Become member of advisory board</td>
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<td>Contribute to the source code</td>
<td>Access to the Mosaic5G lab environment</td>
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<td>User and partner benefits</td>
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MOSAIC 5G SPONSORS

5G VICTORI
EURECOM
empower
SLICENET
5G! PAGODA
Coherent
5G-PICTURE
Q4Health
5G EVE
Apache V2.0 Public License
popular and widely deployed
in Open Source Communities
Mosaic5G Call to Community for Innovation
Mosaic5G Roadmap

Development

- **Rel. 1.0**
  - 4G-based SD-RAN & SD-CN platforms
  - Rapid 5G service platform deployment

- **Rel. 1.1**
  - OAI

- **Rel. 1.2**
  - Agile edge applications & PoCs
  - 5G network slicing and app store

- **Rel. 1.3**
  - RAN/CN orchestration & Flexible monitoring
  - Elastic monitoring and orchestration, vBS

- **Rel. 1.4**
  - JOX

- **Rel. 1.5**
  - Data-driven 5G RAN/CN stack
  - Network intelligence, 5G NR, LTE-M/NB-IoT

We are here
Mosaic5G Community

**Phase 1:** Genesis
- Mosaic5G waves

**Phase 2:** Inception
- Mosaic5G & social media
- Mosaic5G channels

**Phase 3:** Establishment
- ETSI, ITU, IEEE, MWC, EUCNC
- >40 members have joined the community (operators/vendors, R&Ds, academia)
- Mosaic5G vibes & community support

**Phase 4:** Maturity
- Mosaic5G membership

We are here

Community feedback & Discovery Report
Mosaic5G-Contact

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Linkedin: mosaic-5g