developer.5g-mag.com

3GPP RAN & Core
Platforms

powering the **5G MAG** REFERENCE < TOOLS />

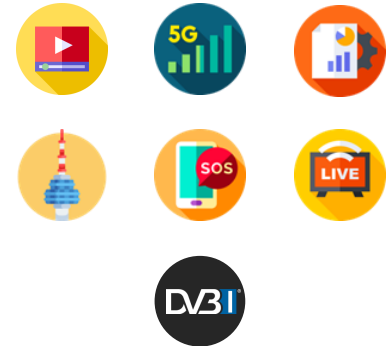THANK YOU!

Open5GS

srsRAN PROJECT

5G MAG MEDIA ACTION GROUP

Which platforms are made available?

- 5g-mag.github.io/Getting-Started/pages/3gpp-ran-and-core-platforms/
- [**Repositories**](#)

Note that these tools are supporting demonstrators of other 5G-MAG Reference Tools projects, in particular:

- 5G Media Streaming
- 5G Media Streaming with 5G Core Network Components
- UE Data Collection, Reporting and Event Exposure
- 5G Broadcast Hybrid Services
- Emergency Alerts over 5G Broadcast
- 5G Multicast Broadcast Services
- DVB-I Services over 5G Systems

- Some **5G-MAG Reference Tools Projects** make use of software developed by other Open-Source initiatives. In particular:

srsRAN Project (www.srsran.com/), in its two variants:

  - srsran/srsRAN_Project: Open source O-RAN 5G CU/DU solution from Software Radio Systems (SRS), used primarily as the **NG-RAN** to build 5G-MAG Reference Tools demonstrators and PoCs (e.g. **5GMS**) and as the basis for the development of NG-RAN related components for **MBS**

  - srsran/srsRAN_4G: Open source SDR 4G software suite from Software Radio Systems (SRS), used primarily as the basis for the LTE-based 5G Broadcast components, emergency alerts over 5G Broadcast and the development of UE functionalities for MBS

Open5GS Project (www.open5gs.org):

  - used primarily as the 5GC to build 5G-MAG Reference Tools demonstrators and PoCs (e.g. **5GMS**) and as the basis for the development of 5GC related components for **MBS**

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1 ✓ **open5gs**
(Open source 5G Core) — 3GPP A GLOBAL INITIATIVE — AGPLv3.0 — Open5GS — 🐧

2 ✓ **rt-srsRAN_Project**
(Open source O-RAN 5G CU/DU solution from srsRAN) — 3GPP A GLOBAL INITIATIVE — AGPLv3.0 — SRS RAN — 🐧

3 ✓ **srsRAN_4G**
(Open source SDR 4G software suite from srsRAN) — 3GPP A GLOBAL INITIATIVE — AGPLv3.0 — SRS RAN — 🐧

4 ✓ **srsRAN**
(discontinued version prior to srsRAN_4G) — 3GPP A GLOBAL INITIATIVE — AGPLv3.0 — SRS RAN — 🐧

✓ Public release ⚠️ Early Access 🐧 Linux ⊞ Windows 🤖 Android APK 🐳 Docker ☁️ Cloud Postman API www Web Interface Dependency Code Licence

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