5G Super Blueprint Whitepaper

Goals and key takeaways

- Share the message that open source projects now provide all the necessary building blocks for modern 5G networks.
- Show the value of each open source project in the context of a 5G network service.
- Encourage end users (operators, system integrators, vendors) to adopt more open source components in their solutions, from the LFN and broader open source scene.
- Suggest how projects may be integrated while leaving enough flexibility to other integration approaches.

Target audience

- System designers/consultants/architects who would like to understand how open source can be leveraged when building networks for:
  - Operators
  - Enterprise (private 5G)
  - Industry 4.0
  - ...
- Operators and enterprises who plan to deploy 5G networks and would like to learn how to benefit from the security, maturity and efficiency of open source software.
- ...

Document outline (TOC)

1. Introduction
   - Why open source is ripe for deployment in 5G networks?
   - What are the requirements of 5G networks?
   - What are the relative advantages of LFN projects over other FOSS projects in this domain?
2. Brief description of each involved project
   - Functionality provided
   - Main interfaces
   - Key technologies used
3. Interfaces and integration points in the 5G super blueprint
   - Describe the roles and responsibilities of the modules in each side of any north-south or east-west interface
4. Flows in the blueprint
5. Conclusions and takeaways

6. Calls for action

   - Deploying the blueprint
   - Enriching and improving the blueprint
   - Creating similar blueprints
   - Contributing to the projects