WiSHFUL

Wireless Software and Hardware platforms for Flexible and Unified radio and network controL

Project Deliverable D4.5

Second software development kit and toolset for network control

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Abstract:

This deliverable reports on the second release of the software development kit (SDK) and toolset for network control. This is a companion deliverable of D4.4, which provides capabilities and description, while the present deliverable contains the SDK implementation.

Keywords:

Software release, SDK, toolset, UPI_N, implementation, control framework

Second release of the toolset for network control

WiSHFUL SDK for network control includes the **UPI_N** definitions and implementation as well as the **WiSHFUL control framework** that uses a unified interfaces for controlling WiSHFUL programmable network platforms. The UPI_N functions implementation are grouped in **modules**, each module supports a programmable platform, protocol or a specific technology. The WiSHFUL control framework is a set of software that facilities management and configuration as well as interacting with experiment.

We have setup WiSHFUL organization on GitHub to store all code repositories of the project. The organization contains definitions of WiSHFUL UPIs as well as their implementations in platform modules. Moreover, it contains also code of WiSHFUL control framework and examples of implemented showcases.

The organization can be found in:

https://github.com/wishful-project

In particular, the definitions of WiSHFUL UPIs can be found in:

https://github.com/wishful-project/wishful_upis

The documentation for the WiSHFUL UPIs can be found in:

https://wishful-project.github.io/wishful_upis