

**GRANT**



**AGREEMENT NO.: 732174**

Call: H2020-ICT-2016-2017

Topic: ICT-13-2016

Type of action: RIA



**Orchestration and Reconfiguration Control Architecture**

## **D3.4: Enhanced toolset for real-time SDR design and operation**

Revision: v.1.0

Work package	WP3
Task	Task 3.1, 3.2
Due date	31/12/2018
Submission date	21/12/2018
Deliverable lead	KUL
Version	1.0
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Abstract	This deliverable will provide an overview enhanced software tools for WP3, made available publicly or through dedicated licenses. The supporting documentation is made available in the public ORCA portal.
Keywords	Software tools, SDR real-time operation, data plane

ORCA SDR software toolsets developed in Y2 are made available via the ORCA portal webpage <https://www.orca-project.eu/resources/software-components/>, as shown in Figure 1. Some of the software toolsets were already available in Y1, such as ‘mmWaveLink’, ‘TAISC’, though we adapted the names and try to use easy to remember acronyms. Some software components are newly added in Y2, eg the ‘LBT’, ‘SDR-SDN’ functionalities are coming from Opencall 1 for Extensions.

The components focusing more on real-time operation of SDR data plane are highlighted in ‘red dashed rectangular’. Please note that the non-highlighted functionalities are not excluded for SDR data plane. When clicking on the ‘+’ sign, more details of the specific software components will be displayed, including a short description of the functionality, and the link towards the code repository, the type of the repository, and access condition/permission. The content under ‘MySVL’ is shown as an example.

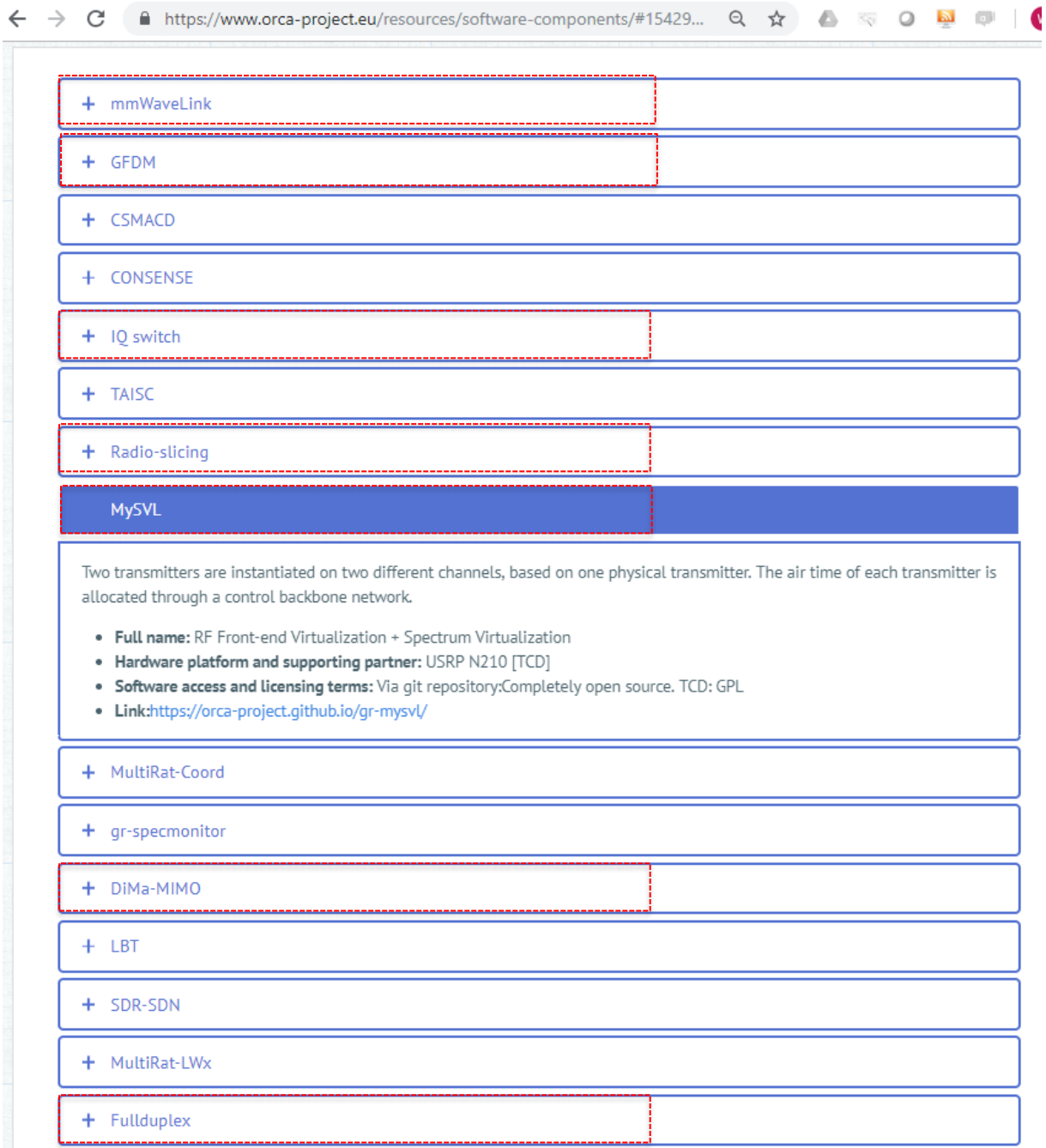


Figure 1 ORCA software components, with functionalities for SDR real-time data plane highlighted