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IV064
Information Society

Open access to source code, and results, open systems

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1 The Open Access

Nowadays, the open access term is used in many ways. Firstly, let us declare the meaning of this expression within the context of IT to better understand other things that will be mentioned later. You may heard the phrases like '*Open access to source code*' as well as '*Open source software*'. All of these names indicates one attribute (model, philosophy or methodology) of the software development - the right of free access to the source code of a software to anyone known as the open source philosophy. This right stands for the free way of software source code free usage, inspection, modification and distribution that may be restricted by further open source licenses such as GPL – GNU General Public License, which will be described later. To clarify the veritable meaning of the open source let us state the correct definition itself.

Definition 1.1. [1, 2, 4]

Open source does not just mean access to the source code. The distribution terms of an open source software must comply with the following criteria:

- Free Redistribution
- Inclusion of Source Code
- Inclusion of Derived Works
- Integrity of The Author's Source Code
- No Discrimination Against Persons or Groups
- No Discrimination Against Fields of Endeavor
- Distribution of License
- License Must Not Be Specific to a Product
- License Must Not Restrict Other Software
- License Must Be Technology-Neutral

Open source projects, products, or initiatives embrace and celebrate principles of open exchange, collaborative participation, rapid prototyping, transparency, meritocracy, and community-oriented development [3].

2 My Notes

- <https://ieeexplore.ieee.org/document/4556977>
- <https://ieeexplore.ieee.org/document/5662568>
- <https://ieeexplore.ieee.org/document/1620054>

3 References

- [1] DiBona, C.; Ockman, S.; Stone, M.; et al.: *Open Sources: Voices from the Open Source Revolution*. 1999. [Online; Accessed: 2019-10-27].
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- [4] Software in the Public Interest, Inc. and others: *Debian Social Contract*. 2019-07-16. [Online; Accessed: 2019-10-27].
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