

RIOT OS

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Abstract

RIOT is a small operating system for networked, memory-constrained systems with a focus on lowpowerwireless Internet of Things (IoT) devices. It is open-source software, released under the GNU Lesser General Public License (LGPL). Due to this unclonable license and its large independent community RIOT is often referred to as the Linux of the Internet of Things. [1]

Features of RIOT OS:

- Standard programming in C or C++
- Standard tools such as gcc, gdb
- Minimized hardware dependent code
- Multi-threading with ultra-low threading overhead
- Static and dynamic memory allocation
- Code footprint flexibility, Robustness

References

[1] [Online]. Available: <http://www.riot-os.org/>