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Open Source Mission Operations Systems

Friday, 10 December 2021 14:00 (1 hour)

Most space agencies and industry use custom or self-developed software applications to control their satellite missions. A prominent example is SCOS-2000, a multi-mission satellite operations system that is used for almost all ESA satellites. Most of those solutions are monolithic, large, complex, and use plain old software technologies, and they are closed-source.

Nowadays, however, a number of open source mission control systems do exist as well! For example:
- OpenMCT: https://nasa.github.io/openmct/
- YAMCS: https://yamcs.org/
- ReatMetric: https://github.com/dariol83/reatmetric
- AURIS: https://github.com/OSWALD2/AURIS
- OMC: https://openmissioncontrol.wordpress.com/
and others..

In this open discussion, participants can share their experiences with those tools and address highlights and shortcomings of available software projects.

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