

Programs and Programming: DICOM Viwers, Turtl, Weblate, Rust and Python

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Submitted by Roy Schestowitz on Wednesday 10th of October 2018 08:15:51 PM Filed under [Development](#) [1]
[Software](#) [2]

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[Excellent Free DICOM Viewers ? Medical Imaging Software](#) [3]

DICOM (an acronym for Digital Imaging and Communications in Medicine) is a worldwide standard in Health IT and is provided by the National Electrical Manufacturers Association (NEMA). It's the standard open image format used to handle, store, print and transmit information in medical imaging. This standard specifies the way medical images and metadata like study or patient related data are stored and communicated over different digital medias.

DICOM is a binary protocol and data format. The binary protocol specifies a set of networking protocols, the syntax and specification of commands that can be exchanged with these protocols, and a set of media storage services. It's an entire specification of the elements required to achieve a practical level of automatic interoperability between biomedical imaging computer systems?from application layer to bit-stream encoding.

DICOM files can be exchanged between two entities that are capable of receiving image and patient data in DICOM format.

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[Encrypted Evernote Alternative Turtl v0.7 Includes Rewritten Server, New Spaces Feature](#) [4]

Turtl was updated to version 0.7 yesterday, the new release shipping with a rewritten server, among other changes. I'll cover the new version in the second part of this article, after an

introduction to Turtl.

Turtl is a "secure, encrypted Evernote alternative". The free and open source tool, which is considered beta software, can be used to take notes, save bookmarks, store documents and images, and anything else you may need, in a safe place.

There are Turtl applications available for Linux, Windows, macOS and Android, while an iOS application should also be available in the future. Chrome and Firefox extensions are available to easily bookmark the page you're on, great for quickly saving sites for later.

The Turtl developers offer the service (hosted server) for free, but a premium service is planned for the future. However, the Turtl server is free and open source software, so you can install and use your own instance.

- [Weblate 3.2.1](#) [5]

Weblate 3.2.1 has been released today. It's a bugfix release for 3.2 fixing several minor issues which appeared in the release.

- [This Week in Rust 255](#) [6]

- [Code Quality & Formatting for Python](#) [7]

black, the uncompromising Python code formatter, has arrived in Debian unstable and testing.

black is being adopted by the LAVA Software Community Project in a gradual way and the new CI will be checking that files which have been formatted by black stay formatted by black in merge requests.

There are endless ways to format Python code and pycodestyle and pylint are often too noisy to use without long lists of ignored errors and warnings.

[Development Software](#)

Source URL: <http://www.tuxmachines.org/node/116363>

Links:

[1] <http://www.tuxmachines.org/taxonomy/term/145>

[2] <http://www.tuxmachines.org/taxonomy/term/38>

[3] <https://www.linuxlinks.com/excellent-free-dicom-viewers-medical-imaging-software/>

[4] <https://www.linuxuprising.com/2018/10/encrypted-evernote-alternative-turtl.html>

[5] <https://blog.cihar.com/archives/2018/10/10/weblate-321/>

[6] <https://this-week-in-rust.org/blog/2018/10/09/this-week-in-rust-255/>

[7] <https://linux.codehelp.co.uk/radon-for-python-in-debian.html>