

Programming: Qt Design Studio, GCC, Digest, Learning C++, Eclipse and More

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[Qt Design Studio 1.2 Beta Offers Bridge With Sketch Vector Graphics Editor](#) [2]

Qt Design Studio 1.2 Beta also introduces gradients support for shape-based items and other changes. More details on the Qt Design Studio 1.2 Beta over on the Qt blog.

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[Qt Design Studio 1.2 Beta released](#) [3]

Qt Design Studio is a UI design and development tool that enables designers and developers to rapidly prototype and develop complex UIs. Both designers and developers use Qt Design Studio and this makes collaboration between the two a lot simpler and more streamlined. To get an impression, you should watch this video.

The main addition for Qt Design Studio 1.2 is the Sketch Bridge. It is now possible to export your scenes from Sketch and import them to Qt Design Studio 1.2.

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[ESR Switches To Threadripper But His GCC SVN-To-Git Conversion Could Still Take Months](#)[4]

It looks like the saga of converting the GNU Compiler Collection (GCC) source tree from SVN to Git isn't over yet and could still take months until completion.

As written about last week, a Linaro developer worked on a Bash script leveraging Git-SVN for converting GCC's SVN to Git as while Eric S Raymond has been working on the effort for

many months using his homegrown "Reposurgeon" utility, it hasn't yet panned out. Reposurgeon in last year's form was too memory hungry and slow while ultimately he began rewriting the tool in Golang in hopes of addressing these issues.

- [digest 0.6.19](#) [5]

digest creates hash digests of arbitrary R objects (using the md5, sha-1, sha-256, sha-512, crc32, xxhash32, xxhash64, murmur32, and spookyhash algorithms) permitting easy comparison of R language objects.

This version contains two new functions adding new digest functionality. First, Dmitriy Selivanov added a fast and vectorized digest2int to convert (arbitrary) strings into 32 bit integers using one-at-a-time hashing. Second, Kendon Bell, over a series of PRs, put together a nice implementation of spookyhash as a first streaming hash algorithm in digest. So big thanks to both Dmitriy and Kendon.

- [Next C++ workshop: Binary Search Trees, 23 May at 18:00 UTC](#) [6]

Learn C++ features with the help of LibreOffice developers! We're running regular workshops which focus on a specific topic, and are accompanied by a real-time IRC meeting.

- [Apache Camel development on Eclipse Che 7](#) [7]

Apache Camel development is improving on Eclipse Che 7 compared to Che 6. On Che 6, it is limited to XML DSL and without classical XSD-based XML support. With Che 7, Camel Java DSL is available and XSD-based XML support is working nicely with the Camel XML DSL support. Please note that Che 7 is still in beta.

- [level up yo py/js adhd af research blaggin](#) [8]

- [Episode 4: A Conversation with Steve George](#) [9]

Steve joined Weaveworks in February 2017 as COO. In a career spanning 20 years, Steve has worked in a range of roles in the technology sector, most recently leading Canonical's

operations and corporate development. His interest and support for FOSS goes back to 1997, when he got hold of his first copy of Slackware on floppy disk.

- [Rule-Based Matching In Natural Language Processing](#) [10]

SpaCy is an open-source software library for advanced Natural Language Processing, written in Python and Cython. Here it is used to build a rule-based matcher that always classifies the word "iPhone" as a product entity

- [Eclipse IoT Surveys Developer Community](#) [11]

- [MIME type "text/vnd.sosi" for SOSI map data](#) [12]

As part of my involvement in the work to standardise a REST based API for Noark 5, the Norwegian archiving standard, I spent some time the last few months to try to register a MIME type and PRONOM code for the SOSI file format. The background is that there is a set of formats approved for long term storage and archiving in Norway, and among these formats, SOSI is the only format missing a MIME type and PRONOM code.

[Development](#)

Source URL: <http://www.tuxmachines.org/node/124095>

Links:

- [1] <http://www.tuxmachines.org/taxonomy/term/145>
- [2] https://www.phoronix.com/scan.php?page=news_item&px=Qt-Design-Studio-1.2-Beta
- [3] <https://blog.qt.io/blog/2019/05/17/qt-design-studio-1-2-beta-released/>
- [4] https://www.phoronix.com/scan.php?page=news_item&px=ESR-Threadripper-GCC-Git
- [5] http://dirk.eddelbuettel.com/blog/2019/05/20#digest_0.6.19
- [6] <https://blog.documentfoundation.org/blog/2019/05/20/next-c-workshop-binary-search-trees-23-may-at-1800-utc/>
- [7] <https://developers.redhat.com/blog/2019/05/21/apache-camel-development-on-eclipse-che-7/>
- [8] <https://www.codementor.io/mikebell66/level-up-yo-py-js-adhd-af-research-blaggin-v4uzpocw8>
- [9] <https://gigaom.com/episode/voices-in-devops-episode-4-a-conversation-with-steve-george/>
- [10] <https://www.i-programmer.info/programming/artificial-intelligence/12787-rule-based-matching-in-natural-language-processing.html>
- [11] <https://adtmag.com/articles/2019/05/20/eclipse-iot-survey.aspx>
- [12] http://people.skolelinux.org/pere/blog/MIME_type__text_vnd_sosi__for_SOSI_map_data.html