Programming Leftovers

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- **Xilinx unveils open source FPGA platform** [2]

  The Vitis unified software platform from FPGA vendor Xilinx is the result of five-year project to create software development tools using familiar languages like C++ and Python to develop a wide range of applications for its reprogrammable chip.

- **Listen: How ActiveState is tackling ?dependency hell? by providing enterprise-level support for open source programming languages [Podcast]** [3]

  ?Open source back in the late nineties ? and even throughout the 2000s ? was really hard to use,? ActiveState CEO Bart Copeland says. ?Our job,? he continues, ?was to make it much easier for developers to use open source and much easier for enterprises to use open source.?

- **10 open source projects proving the power of Google Go** [4]

  Now 10 years in the wild, Google?s Go programming language has certainly made a name for itself. Lightweight and quick to compile, Go has stirred significant interest due to its generous libraries and abstractions that ease the development of concurrent and distributed (read: cloud) applications.

  But the true measure of success of any programming language is the projects that developers create with it. Go has proven itself as a first choice for fast development of network services, software infrastructure projects, and compact and powerful tools of all kinds.

- **[The Eclipse Foundation Launches The Eclipse Cloud Development Tools Working Group for Cloud Native Software](#)**[5]

> The Eclipse Foundation today announced the launch of the Eclipse Cloud Development Tools Working Group (ECD WG), a vendor-neutral open source collaboration that will focus on development tools for and in the cloud. The ECD WG will drive the evolution and broad adoption of emerging standards for cloud-based developer tools, including language support, extensions, marketplaces, and developer workspace definition. Founding members of the ECD WG include Broadcom, EclipseSource, Ericsson, IBM, Intel, Red Hat, SAP, Software AG, and Typefox among many others.

- **[You cannot cURL under pressure](#)** [6]

> With cURL having this many features (with the general mass of them being totally unknown to me, let alone how you use them) got me thinking? What if you could do a game show style challenge for them?

- **[Follow-up on ?ASCII Transliteration without ICU or iconv?](#)** [7]

> By an anonymous commenter, I got pointed to that Unicode (in Qt) is slightly more complicated than I had considered when writing the code: I missed to handle planes beyond the Basic Multilingual Plane (BMP) and the ?surrogates? between code points 0xD800 and 0xDFFF. In a series of recently pushed Git commits I addressed problem of surrogates and fixed some more issues. Some preparatory work has been done to support more planes in the future, but as of now, only the BMP is supported. For details, please have a look at the five commits posted on 2019-10-12.

[Development](#)

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