Software Heritage: Creating a safe haven for software

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By Kirschner, Free Software Foundation Europe

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Software Heritage is an initiative made software preserving its core mission. Why is this important? Consider, if you will, in the case of Gary Kildall's video game …

Legend has it that Gary Kildall , ancestors of modern personal operating system, created the first video game ever to run for the first microprocessor, the 4004 , manufactured by a then are fledgling company called Intel. He ran his game off a computer he built around the chip mounted in a briefcase. Kildall was drag her case computer-meetings (including a 30-kilo teletype), run the game and demo hardware features to prospective clients.

This happened back in the early seventies, still living memory for many of us. The chip will be preserved for posterity as the iconic device. But what happened in the game Kildall? Kildall himself died in 1994 and the game, along with many of his early code, has since been lost. We do not even know what game play is like.

What can we learn from the work of one of the most brilliant minds of contemporary history computer? What code is essentially gone, carelessly overwritten, summarily deleted, or fading away as the magnetic layer in an old floppy disk gradually degrades the dust

In no way is the loss of software something exceptional. Quite the contrary: it is the norm. Proprietary code, more often than not, is only preserved until it can be sold, or used as an instrument to extort payments from licensing IP lawsuits. Otherwise, it is expendable for its owner.

Free Software is often created by small groups, sometimes even of individuals, who tend to develop with limited means and minuscule budget. If anything gets in the way of progress, even small things like leaving college and getting a 9-to-5 job, or having a baby, often lead to procurement projects abandoned and going dark.

That's why Heritage Software is so necessary. Since more or less in the mid-20th century until now, software

has played an ever-increasing role in technological development, scientific activities, and the creation of new art forms. According to the creators, "software embodies our technical and scientific knowledge and humanity can not afford the risk of losing it," and they are right. From the analysis of data from the Large Hadron Collider, to Pixar films, the growth in medical diagnostics, software has become the key to most of our modern quality of life. So why not treat code as it is, as a reflection of contemporary greatest accomplishments of mankind

Software Heritage collects programs, applications and code snippets distributed under free licenses from several sources, including GitHub Debian his release , and GNU project . Software Heritage also rescued code from defunct services, such as Gitorious and Google Code , doing what the creators set out to achieve, namely, protecting code from sinking into oblivion repositories marked for deletion.

The work of the Heritage Software goes beyond preserving and storing code, though. Heritage is working on software implementing features that will allow educators, researchers and scientists to view and analyze the code. *provenance information* will allow you to trace back where the code was originally stored; You'll also be able to look for chains of characters within the entire repository or to a subset of files with Service *Full-text search. The Download Contents option will let you copy code from the vaults Heritage on your local hard disk. You will even be able to suggest new engines Heritage sites can then explore in search of new code to store in section Increase coverage .*
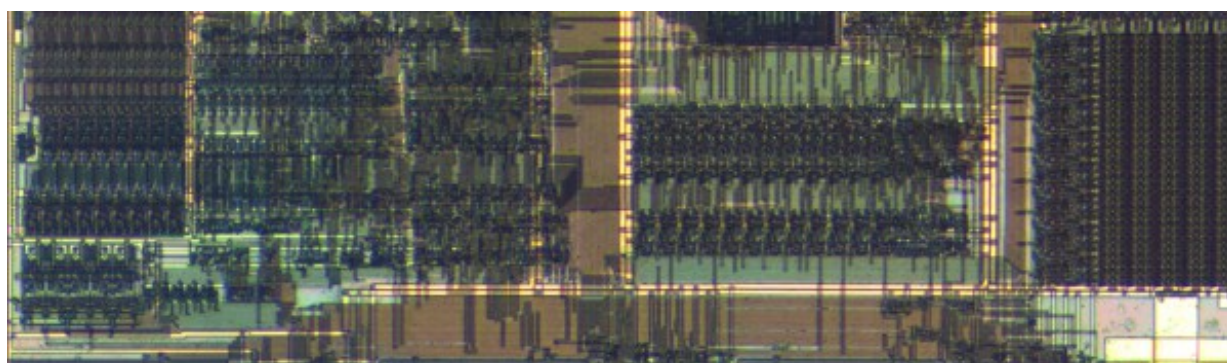
Software Heritage fulfills an important role in the preservation of what, for too long, has been an undervalued resource. Software is important in our technological and cultural development. Software ensures Heritage today's code has been around for everyone in the future.

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matthiaskirschner

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Recently Intel x86 processors implement a secret, powerful control mechanism that operates on a separate chip that no one is allowed to audit or review. When it was finally compromised, it will expose all affected systems virtually unkillable, undetectable rootkit attacks. I made it my mission to open up the system and make the free, open exchange, before it is too late.

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When Oracle bought Sun Microsystems, they got Java, popular programming language Sun , pitched from its inception as an open standard for computer networks.

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Only five months ago, Oculus founder Palmer Luckey has trouble where its customers that they can play the software they buy from the store Oculus on "whatever they want," guaranteeing that the company is not shut down apps that let customers move their purchased software to non -Oculus hardware.

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Folks used to rely on alarms to protect their homes – and before that, the family dog. Now, anyone looking to guard their homes can choose from several high-tech options, including Amaryllo iCamPRO FHD Home Security Camera (now only $ 219 at Boing Boing Store) .In fact, the 2015 CES "Best of Innovation" award-winner boasts so many features, it is [.. .]

If you want a quality vaping experience, it is usually going to cost you. Vaporizers that delivers a fast, controlled burn will set you back up to $ 300, which is why the FEZ Vaporizer (now only $ 99) is a fully steal.The FEZ dry grass pen all something more expensive models handle at a reduced price. It heats up […]

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