

# OSS Leftovers

By *Roy Schestowitz*

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- [How open source and AI can take us to the Moon, Mars, and beyond](#) [2]

Research institutions and national labs across the globe are pouring hundreds of thousands of research hours into every conceivable aspect of space science. And, overwhelmingly, the high performance computing (HPC) systems used for all research are running open source software.

In fact, 100% of the current TOP500 supercomputers run on some form of Linux.

Therefore, it's likely that the future of space exploration will be built on the open source philosophy of knowledge sharing and collaboration among researchers and developers. Success will depend on the adoption of open technologies to stimulate collaboration among nations, as well as advances in the field of AI and machine learning.

Although these are ambitious objectives that could take several years to fully implement, we are already seeing great progress: open source software is already running in space, AI and machine learning is used in spacecraft communications and navigation, and the number of commercial companies interested in the space economy is growing.

- [ElectrifAi launches AI industry's first open source machine learning platform](#) [3]

With the new platform, ElectrifAi's data scientists ? as well as those of its customers ? can code and access data in any programming language. According to ElectrifAi, the incorporation of Docker Containers and Kubernetes enables the firm to build and deploy hybrid cloud enterprise solutions at scale.

- [The development of the open source platform ? An industry perspective](#) [4]

There has been much dialog, but not much action with regard to the evolution of retail trading platforms in recent years.

For many brokerages, relying on the status quo which represents an unholy alliance between third party vendor MetaQuotes, thereby disabling a broker from owning its own client base or infrastructure and becoming subservient to an affiliate marketing platform rather than empowered by a multi-faceted trading platform, remains.

FinanceFeeds has attended numerous meetings with brokerage senior executives across the globe, all of whom understand the value and importance of going down the multi-asset product expansion route, and almost all of whom understand the clear virtues of having a bespoke user interface which engenders a loyal customer base, enables brokers to own the entire intellectual property base of its business ? which let?s face it is why entrepreneurs start businesses in the first place ? and offer differentiating services to specific audiences.

A simple glance at the continuity and geographic location of client bases of companies such as Hargreaves Lansdown or CMC Markets, and the absolute lack of reliance on affiliate networks is testimony to that.

This week, Richard Goers, CEO of Australian professional trading platform development company ManagedLeverage spoke out about a continuing issue which is something that has been prominent in the viewpoint of FinanceFeeds for some years, that being the development of open source platforms.

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#### [Break Up Your Innovation Program, If You Want It To Survive](#) [5]

With open-source software, problems are solved faster than by any other means.

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#### [Don?t be fooled by the \[Internet\]: this week in tech, 20 years ago](#) [6]

One thing I wanted to say is, don?t be fooled by the internet. It?s cool to get on the computer, but don?t let the computer get on you. It?s cool to use the computer, don?t let the computer use you. Y?all saw The Matrix. There?s a war going on. The battlefield?s in the mind. And the prize is the soul. So just be careful. Be very careful. Thank you.

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#### [How Suse is taking open source deeper into the enterprise](#) [7]

The diversity in the open source software world can be a boon and a bane to wider adoption in the enterprise.

After all, without the right knowhow, it can be hard to figure out how they are going to work

together on existing infrastructure ? and if the chosen projects will eventually survive.

That's where open source companies such as Suse step in. While smaller than US-based rival Red Hat, Suse has found its footing in identifying and supporting open source projects that help to run mission-critical enterprise workloads, improve developer productivity and solve business problems in industries such as retail.

- [SUSE joins iRODS Consortium](#) [8]

iRODS is open source storage data management software for data discovery, workflow automation, secure collaboration, and data virtualization. By creating a unified namespace and a metadata catalog of all the data and users within a storage environment, the iRODS rule engine allows users to automate data management.

[...]

Alan Clark, SUSE CTO Office lead focused on Industry Initiatives and Emerging Standards and chairman of the OpenStack Foundation board of directors, said, "SUSE is excited to join the iRODS Consortium, lending our open source technical expertise to help advance the iRODS data management software. The integration with SUSE Enterprise Storage helps customers lower total cost of ownership, leveraging commodity hardware to support their iRODS-managed storage environments. As a leading provider of open source software, SUSE helps our customers leverage the latest open source technologies for application delivery and software-defined infrastructure. SUSE tests and hardens our solutions, ensuring they are enterprise ready and backed by our superior support experience."

- [Cortex Command Goes Open Source, Gets LAN Support](#) [9]

To help facilitate future community development, Data Realms have released the game's source code.

- [Why Open Source Matters For Chinese Tech Firms?](#) [10]

As companies plow more and more investment into AI research, China has finally woken up to the realisation of open source and how it can shape the development of a field that's becoming increasingly attractive. Over the last few years, open-source has become the foundation of innovation ? and the major contributions come from tech giants like Facebook, Microsoft, Google, Uber and Amazon among others. In November 2015, Google made an unparalleled move by open-sourcing its software library ? which now rivals Torch, Caffe and Theano.

These are the open-source lessons that big Chinese companies seem to be learning fast. Traditionally, Chinese firms have trailed behind their US counterparts when it comes to the contributions from the US and Europe, but that's changing now. Over a period of time, Chinese tech companies are trying to grow their influence in the open-source world by building a robust ecosystem. Not only that, they have learnt that open-sourcing tech can help attract great ML talent and increasingly it is also making good business sense. At a time when the AI tool stack is evolving, enterprises are rushing to grab a pie and provide a unified software and hardware technology stack. Internet and cloud Chinese tech giants have woken up to the promise of open source and AI-related datasets and models can serve the bigger business goals of the companies.

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#### [How Open Source Alluxio Is Democratizing Data Orchestration](#) [11]

Alluxio is one of the many leading open-source projects/companies ? including Spark and Mesosphere ? that emerged from UC Berkeley Labs. Haoyuan (H.Y.) Li Founder, Chairman and CTO of Alluxio, sat down with Swapnil Bhartiya, Editor-in-Chief of TFIR to discuss how Alluxio is providing new ways for organizations to manage data at scale with its data orchestration platform.

Alluxio's data orchestration layer has increased efficiency by four times, so companies are finding that work that used to take one year now takes three months.

For many enterprise companies, the path to the cloud starts with an intermediate step of a hybrid cloud approach, Li said. He also sees widespread enterprise adoption of a multi-cloud strategy.

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#### [Cloudera Moves To All-Open Source Model In Major Shift](#) [12]

Amidst financial troubles and departure of chief executive Tom Reilly, company says it wants to emulate success of pure open source pioneer Red Hat.

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#### [Cloudera Follows Hortonworks' Open Source Lead](#) [13]

Trying to survive the carnage AWS and the like are causing in the Big Data space, Cloudera is open sourcing its entire product line. [...] Less than six months after closing its merger with Hortonworks, the Big Data company Cloudera has announced it's going all open source.

**Links:**

- [1] <http://www.tuxmachines.org/taxonomy/term/72>
- [2] <https://venturebeat.com/2019/07/20/how-open-source-and-ai-can-take-us-to-the-moon-mars-and-beyond/>
- [3] <https://www.design-engineering.com/electrifai-launches-ai-industrys-first-open-source-machine-learning-platform-1004033460/>
- [4] <https://financefeeds.com/development-open-source-platform-industry-perspective/>
- [5] <https://www.forbes.com/sites/johnwinsor/2019/07/15/break-up-your-innovation-program-if-you-want-it-to-survive/>
- [6] <https://www.theverge.com/2019/7/20/20699197/this-week-in-tech-20-years-ago-prince-blair-witch-emachines>
- [7] <https://www.computerweekly.com/news/252466754/How-Suse-is-taking-open-source-deeper-into-the-enterprise>
- [8] <https://insidehpc.com/2019/07/suse-joins-irods-consortium/>
- [9] <https://nichegamer.com/2019/07/15/cortex-command-goes-open-source-gets-lan-support/>
- [10] <https://www.analyticsindiamag.com/why-open-source-matters-for-chinese-tech-firms/>
- [11] <https://www.tfir.io/2019/07/21/how-open-source-alluxio-is-democratizing-aata-orchestration/>
- [12] <https://www.silicon.co.uk/workspace/cloudera-moves-to-all-open-source-270533>
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