COMCAST

Comcast Open Source Briefing Sheet

Comcast has a rich history with Open Source Software (OSS). Since 2005, when our Chief Software Architect Jon Moore joined Comcast, we have used and participated in many prominent OSS projects like OpenStack, Cassandra and Traffic Server.

Comcast filed a Corporate Contributor License Agreement (CCLA) for Jon Moore in November 2010, which paved the way for him to become an Apache Committer on the Apache HttpComponents project. We contributed a caching module for HttpClient earlier that year to that project.

Since then, we have established a Comcast Open Source Advisory Board and added 85+ projects to Github. We are very proud to support OSS and the development community. For the latest information on Comcast Open Source projects, visit http://comcast.github.io.

Top-Line Messages

General

- **Comcast is an active member of the open source community.** Not only do we build and run much of our technology on open source platforms (OpenStack, Yocto Project, Apache Traffic Server, Apache Cassandra, MYSQL), but we also contribute actively to dozens of open source projects and strive to open source many of the technologies we develop internally.
- **We collaborate with other companies and projects** as members of Open Source foundations such as the Linux Foundation, OpenStack Foundation, Apache Foundation and many other organizations for collaboration. This allows us to share our own experience and to contribute to industry direction.
- **Comcast is a great place to be an open-source developer.** Engineers are encouraged to use and actively participate in open source communities. We support and encourage open source culture, tools and collaboration inside the company to enable developers to be productive and effective.
- **Developing on robust open-source platforms like OpenStack or Cassandra accelerates the innovation cycle, and lets us build better products, faster.** The collective development behind robust open source projects makes them flexible, scalable and powerful. The global engineering communities that support those projects allow us to hire new talent and bring them up to speed quickly.

FreeFlow

- **We created FreeFlow** to overcome limitations encountered while developing our next generation of Android apps.
- **FreeFlow is a great example of an internal project released as open source software.** We were certain other Android developers were experiencing the same issues we were experiencing, and could both benefit from – and contribute to – the continuing development of FreeFlow.
- **FreeFlow is very popular**, with over 1,800+ stars on GitHub and 300+ commits.

SpeedTestJS

- **We developed and open sourced SpeedTestJS** to create a benchmark solution that would be transparent, independent and used by many to test network connectivity speeds.
- **SpeedTestJS is another great example of an internal project released as open source software**. We were certain that other ISPs and developers were experiencing the same issues we were experiencing, and could both benefit from – and contribute to – the continuing development of SpeedTestJS.
- **SpeedTestJS has 2000+ downloads from https://www.npmjs.com/package/speed-testjs**