Twitter

Open Source

Introduction

Twitter is built on open source software, from the back-end to the front-end. Twitter engineers use, contribute to and release a lot of open source software. We of the Twitter Open Source Program Office support a variety of open source organizations and are grateful to the open source community for their contributions, and want to maintain our healthy, reciprocal relationship.

If you have questions or problems, please tweet us at @twitteross. For media inquiries, please go here [support.twitter.com/forms/press].

Development

If you're interested in the projects we have released, check out our official organization [https://github.com/twitter] on GitHub.

If you want to stay up to date, please follow our official twitter account [@twitteross].

Like what we do? Then consider finding a job you're passionate about and come @JoinTheFlock!

Code and Documentation Licensing

The majority of open source software exclusively developed by Twitter is licensed under the liberal terms of the Apache License, Version 2.0. The documentation is generally available under the Creative Commons Attribution 3.0 Unported License. In the end, you are free to use, modify and distribute any documentation, source code or examples within our open source projects as long as you adhere to the licensing conditions present within the projects.

Also note that our engineers like to hack on their own open source projects in their free time. For code provided by our engineers outside of our official repositories [/github.com/twitter] on GitHub, Twitter does not grant any type of license, whether express or implied, to such code.

Open Source Thanks

At Twitter, we make use of a lot of open source projects, from tools to libraries. Our daily lives wouldn't be as productive without these open source projects around. We simply just want to say thank you to the following projects for helping us out:

- Apache Cassandra (@cassandra)
- Apache Hadoop
- Apache Lucene
- Apache Pig
- Apache Subversion
- Apache Thrift
- Clojure
- Drupal (@drupal)
- Eclipse
- Ender (@ender)
- Gerrit
- Git
- Jenkins
- jQuery (@jquery)
- Less
- Linux
- Memcached (@memcached)
- MooTools (@mootools)
- Netty (@netty_project)
- Node.js (@nodejs)
- OpenJDK (@openjdk)
- Python
- RSpec (@rspec)
- Ruby
- Ruby on Rails (@rails)
- Scala
- Sinatra (@sinatrarb)
- TwistedMatrix (@twistedmatrix)
- Zepto.js (@zeptojs)

Open Source Organizations

Twitter supports a variety of open source organizations through contributions and official membership:

Ada Initiative

The Ada Initiative (@AdaInitiative) is a non-profit organization dedicated to increasing participation of women in open technology and culture. We're happy to sponsor AdaCamp's and other events put on by the Ada Initiative.

Apache Software Foundation

The Apache Software Foundation (@TheASF) is made up of nearly 100 top level projects that cover a wide range of technologies. The ASF provides organizational, legal and financial support for those projects. At Twitter, we're proud to contribute to a few of those projects.

Eclipse Foundation

The Eclipse Foundation is a not-for-profit, member supported corporation that hosts the Eclipse projects and helps cultivate both an open source community and an ecosystem of complementary products and services. Eclipse is an open source community, whose projects are focused on building an open development platform comprised of extensible frameworks, tools and runtimes for building, deploying and managing software across the lifecycle.

Java Community Process

The Java Community Process (@jcp_org) is the mechanism for developing standard technical specifications for Java technology. At Twitter, we're a large consumer of Java technology and are proud to be a member of the JCP.

Linux Foundation

The Linux Foundation (@linuxfoundation) is a nonprofit consortium dedicated to fostering the growth of Linux. At Twitter, we're proud to support the foundation and its goals via its open source compliance program.

Open Invention Network

The Open Invention Network (OIN) is an intellectual property company that was formed to promote Linux by using patents to create a collaborative environment. It promotes a positive, fertile ecosystem for Linux, which in turns drives innovation and choice in the global marketplace.

OpenJDK

The OpenJDK (@OpenJDK) is the place to collaborate on an open-source implementation of the Java Platform Standard Edition and related projects. Twitter has reaped the benefits of building on top of the JVM and contributes in the areas of performance and diagnostics.

Open Source Projects

Twitter engineers release a lot of open source software and also contribute to their favorite existing projects. The projects listed below are **just a sampling** of what Twitter releases to the open source community.

Featured Projects

Bootstrap

Bootstrap is a toolkit designed to kickstart development of web applications and sites. It includes base CSS and HTML for typography, forms, buttons, tables, grids, navigation and more.

Finagle

Finagle is a library for building asynchronous RPC servers and clients in Java, Scala or any JVM-based language. It powers a good portion of the services that run on the Twitter back-end.

TwUI

TwUI is is a hardware accelerated UI framework for the Mac platform inspired by UIKit. It enables GPU accelerated rendering backed by CoreAnimation and provides a simple MVC framework familiar to iOS developers.

More Twitter open source projects are found on our GitHub organization [github.com/twitter] page.