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Become a Beam Commiter!

An Apache Beam committer takes many forms. There are many actions other than coding that build the trust we place in a committer - code review, design discussion, user support, community outreach, improving infrastructure, documentation, project management, etc.

What does it mean being a commiter?

An Apache Beam committer has write access to the repository for merging pull requests, but you don't have to be a code contributor to become a committer. Becoming a committer means that you have the project's trust. Read the ASF documentation for more about being a committer in the Apache Software Foundation.

The PMC makes someone a committer via nomination, discussion, and then majority vote. We use data from as many sources as possible to inform our reasoning.

Different ways you can contribute to the Apache Beam



Beam Technical committers

Short description with hyperlinks.



Non-technical commiters

Short description with hyperlinks.



Website maintainers

Short description with hyperlinks.

What are the traits of an Apache Beam Commiter?

Knows, upholds, and reinforces the Apache Software Foundation code of conduct. To learn more see the ASF documentation.

Knows, upholds, and reinforces the responsibilities of an Apache Software Foundation committer. To learn more see the ASF documentation.

Knows, upholds, and reinforces the Beam community's practices. To learn more see our best practices!

Commiter definition

Ways to contribute to Apache Beam

Apache Beam Commiter Traits





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Contribution Guide

Overview

There are lots of opportunities to contribute. You can for example:

- ask or answer questions on user@beam.apache.org or stackoverflow
- review proposed design ideas on dev@beam.apache.org
- file bug reports
- review changes
- work on the core programming model (what is a Beam pipeline and how does it run?)
- improve the developer experience (for example, Windows guides)
- organize local meetups of users or contributors to Apache Beam

...and many more. Most importantly, if you have an idea of how to contribute, then do it!

Contributing code

Below is a tutorial for contributing code to Beam, covering our tools and typical process in detail.

Prerequisites

- a GitHub account
- a Linux, macOS, or Microsoft Windows development environment with Java JDK 8 installed
- Docker installed for some tasks including building worker containers and testing this website changes locally
- Go 1.12 or later installed for Go SDK development
- → Python 2.7, 3.5, 3.6, and 3.7. Yes, you need all four versions installed.
 - pip, setuptools, virtualenv, and tox installed for Python development
- → for large contributions, a signed Individual Contributor License Agreement (ICLA) to the Apache Software Foundation (ASF).

Below is a tutorial for contributing code to Beam, covering our tools and typical process in detail.

sudo apt-get install \ openjdk-8-jdk \ python-setuptools \ python-pip \ virtualenv \ tox \ docker-ce

You also need to install Go.

Once Go is installed, install goavro:

\$ export GOPATH=`pwd`/sdks/go/examples/.gogradle/project_gopath \$ go get github.com/linkedin/goavro

Linux users should configure their machines for sudoless Docker.

Connect With the Beam community

- → Consider subscribing to the dev@ mailing list, especially if you plan to make more than one change or the change will be large. All decisions happen on the public dev list.
- (Optionally) Join the #beam channel of the ASF slack.
- → Create an account on Beam issue tracker (JIRA) (anyone can do this).

Share your intent

- → Find or create an issue in the Beam issue tracker (JIRA). Tracking your work in an issue will avoid duplicated or conflicting work, and provide a place for notes. Later, your pull request will be linked to the issue as well.
- → If you want to get involved but don't have a project in mind, check our list of open starter tasks, https://s.apache.org/beam-starter-tasks.
- → Assign the issue to yourself. To get the permission to do so, email the dev@ mailing list to introduce yourself and to be added as a contributor in the Beam issue tracker including your ASF Jira Username. For example this welcome email.
- → If your change is large or it is your first change, it is a good idea to discuss it on the dev@ mailing list.
- → For large changes create a design doc (template, examples) and email it to the dev@ mailing list.

Overview

Contributing code

Contributing to the website

Non-technical contribution

General rules