KibbleProposal

Apache Kibble Proposal

Abstract

Apache Kibble is an interactive activity aggregator: It tracks code, community discussions, issues/bugs and people, and allows a detailed and highly customizable look into the day-to-day, year-to-year activity of a project, a sub project, a person or an entire organization.

Proposal

Kibble helps community driven software projects assess and analyze project activity and trends. Kibble is based on the existing software suite known as Snoot(tm), currently in use by the ASF.

Background and Rationale

The idea of Kibble was formed after a lengthy discussion about proprietary software used to track open source software projects, and the inevitable oxymoron therein. We (the initial group named below) wish to establish a FOSS software suite for analyzing project activity and trends, free for anyone to deploy and use.

Initial Goals

Establish a three-part software suite (through partly open-sourcing existing proprietary software, and inventing new) for project activity tracking and analysis:

- Activity scrapers
- Backend database service
- Frontend visualization software

Current Status

The software exists as a proprietary service. We wish to convert this to a FLOSS solution. The exact time-frame is currently unknown, and a release date would be months away. The initial task of the project will be to assess what exists, what we wish to have as an Apache software project, and what to add/change.

Meritocracy

The initial PMC list covers folks from several established ASF communities and several ASF members; they are all well acquainted with the importance of building incremental project responsibility for new contributors. Meritocracy will not be an issue. Seven out of the initial nine contributors are ASF Members.

Community

There exists a large user-base of the software. It is our hope that we can convert a great deal of these to contributors and testers for the new open source product.

Core Developers

The initial set of developers come from a variety of ASF projects, as well as one newcomer:

- Daniel Gruno <humbedooh@apache.org>
- Ulises Beresi <ucb@apache.org>
- Daniel Takamori <pono@apache.org>
- Sean Palmer <sbp@apache.org>
- David Nalley <ke4qqq@apache.org>

- Rich Bowen <rbowen@apache.org>
- Sally Khudairi <sk@apache.org>
- Christofer Dutz <cdutz@apache.org>
- Sharan Foga <sharan@apache.org>
- Herve Boutemy <hboutemy@apache.org>
- Larry McCay <lmccay@apache.org>

Known Risks

Orphaned Products

The initial PMC are all (save one) involved actively in existing ASF projects that make use of project activity tracking/aggregation software. The risk of this dropping on the floor is minimal.

Inexperience with Open Source

All initial PMC members have an established record of working within ASF projects.

Homogenous Developers

The initial set of developers are employed by a variety of companies, located across the world, and used to working on a variety of distributed projects.

Reliance on Salaried Developers

We do not expect the interest of the proposed initial PMC to be directly tied to current employment, but will actively seek to grow our volunteer base regardless.

Relationships with Other Apache Products

Not much to say here. Many ASF projects make use of the proprietary offering, we wish to open source it and have people engage in the development of the project.

Initial Source

The initial task of the PMC will be assessing what we wish the project to contain. The proprietary vendor is willing to donate the software, but considerable rewriting and relicensing will have to take place. This will likely happen in stages, with the scrapers and UI being ported first, and a backend auth system being partly ported/donated, and partly developed from scratch at the ASF.

Source and Intellectual Property Submission Plan

All the existing code in question (from the Snoot suite) is owned by Quenda IvS, and will be donated to the ASF.

External Dependencies

The current code base depends on incompatible licenses for visualizations. We will work towards 100% compatibility with the Apache License v/2.

Cryptography

Kibble will contain no special cryptographic components, though it does rely on common tooling for SSL encrypted communication.

Required Resources

Mailing Lists

private@kibble.apache.org (moderated subscriptions)

commits@kibble.apache.org

notifications@kibble.apache.org

dev@kibble.apache.org

users@kibble.apache.org

Repositories

- https://gitbox.apache.org/repos/asf/kibble-nodes.git
- https://gitbox.apache.org/repos/asf/kibble.git

Issue Tracking

JIRA tracker with project KIBBLE

Other Resources

We have no other requirements at present.
We may require a VM at one point.

domain name:

https://kibble.apache.org

Initial PMC

- Daniel Gruno <humbedooh@apache.org>
- Ulises Beresi <ucb@apache.org>
- Daniel Takamori <pono@apache.org>
- Sean Palmer <sbp@apache.org>
- David Nalley <ke4qqq@apache.org>
- Rich Bowen <rbowen@apache.org>
- Sally Khudairi <sk@apache.org>
- Christofer Dutz <cdutz@apache.org>
- Sharan Foga <sharan@apache.org>
- Herve Boutemy <hboutemy@apache.org>
- Larry McCay <lmccay@apache.org>

Affiliations

PMC members are employees of (alphabetically) ASF, HALO Worldwide, HortonWorks, Linux Foundation, Quenda IvS, RedHat.

Sponsors

Champion

Daniel Gruno <humbedooh@apache.org>

Nominated Mentors

N/A

Sponsoring Entity

ASF Board. Note: this project is expected to go direct to TLP.