WarbleProposal

Apache Warble Proposal

Abstract

Apache Warble is a distributed endpoint monitoring solution where the agent is hosted on your own hardware. The aim of Warble is to produce a more balanced and less binary view of services and systems, lowering the rates of false positives while also providing greater insight into possible peering issues and proactive trend analysis.

Proposal

The goal of Warble will be to bring internal control of distributed monitoring back to the end user. Warble can be used as an independent service running on your own infrastructure monitoring other services in your infrastructure.

Background and Rationale

The beginning of this project was prompted by the service pingmybox.com (PMB) going end of life. This brought up conversation about FOSS services that can monitor internal and external services. PMB offered a unique code base to build this service upon a known infrastructure.

Initial Goals

Bring PMB code into the ASF, refactor the client/server into a more reusable structure.
Further reuse of code gives us the a great starting point to build a starting point.

Current Status

The software exists as a proprietary service. We wish to convert this to a FLOSS solution.

Meritocracy

The initial PMC list covers new folks coming into the ASF.

Community

There exists a large user-base of software like Warble, as well as existing users of the old propietary service. 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 are a lot of newcomers:

- Daniel Gruno <humbedooh@apache.org>
- Chris Thistlethwaite <christ@apache.org>
- Haig Didizian <haig@didizian.com>
- Andrew Karetas <Ajkaretas@gmail.com>
- Chandler Claxton <claxtonchandler@gmail.com>
- Luke Stevens <snevets.ekul@gmail.com>
- Mike Andescavage <michael.andescavage@live.com>
- Chris Lambertus <cml@apache.org>

Known Risks

There are many existing services that provide external monitoring. They are well established and have large user bases.

Orphaned Products

The initial PMC has great interest in open source projects, though no formal projects have been run.

Inexperience with Open Source

Most of the initial PPMC members are new to the ASF and some are new to open source projects. However, all are very interested in giving back to the community and projects. Having said that, there are several people involved with extensive experience in the Apache Way and our procedures and processes.

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. There are, at present, indirect relationships in that some dependencies are built on Apache software, but these are generally by proxy and does not merit considering Warble as a sub-project of an existing TLP.

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 PMB 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

Warble will make use of some SSL/TLS and cryptography in order to transmit data between nodes and main server, however we will not be incorporating any cryptography in the project code itself, but rather rely on existing encryption libraries and protocols.

Required Resources

Mailing Lists

private@warble.apache.org (moderated subscriptions)

commits@warble.apache.org

issues@warble.apache.org

dev@warble.apache.org

users@warble.apache.org

Repositories

- https://gitbox.apache.org/repos/asf/incubator-warble.git

Issue Tracking

We will be starting with just GitHub Issues/PRs and later assess the possible need for something else.

Other Resources

We have no other requirements at present.
We will require one or more VMs at some point, however, it may be the case
that we can get these donated by companies interested in furthering the development
of the project.

domain name:

https://warble.apache.org

Initial PMC

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- Chris Thistlethwaite <christ@apache.org>
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- Andrew Karetas <Ajkaretas@gmail.com>
- Chandler Claxton <claxtonchandler@gmail.com>
- Luke Stevens <snevets.ekul@gmail.com>
- Mike Andescavage <michael.andescavage@live.com>

Affiliations

PMC members are employees of ASF, Microsoft, Evolve Guest Solutions, Revolt
Consulting, and independently employed

Sponsors

Champion

Daniel Gruno <humbedooh@apache.org>

Nominated Mentors

Daniel Pono Takamori <pono@apache.org>

Sponsoring Entity