Working with Apache Projects and Making Profits

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Introduction

- Henry Saputra
  - Member of The Apache Software Foundation (ASF)
  - PMC and committers to several ASF projects
- Member of the Incubator Project Member Committee (PMC)
- Been involved with the ASF since 2009
- Not a lawyer
- @Kingwulf
- Questions or concerns: hsaputra@apache.org
Agenda

● Building organic or open source
● Choosing the right ASF project(s)
● Real life examples
  ○ OpenSocial and Apache Shindig
  ○ Building Jive Software Application Platform and Market
  ○ Contributing new features to OpenSocial and Apache Shindig
  ○ Working with “partners”
● What’s next?
Build Organic vs Open source

- Talents and skill sets consideration
- Time for deliverables to building from scratch that outside core business
- Maintaining the modules
- Choosing the right open source project
  - Proper governance
  - Pluggability
  - Maintenance and support
Choosing the right Apache Project(s)

- Turnkey vs pluggability
- Many different Apache projects
- Releases
- PMC and communities
- Reporting issues and contribute
- Influence direction
Real life example

- Involvement with Apache Shindig at Yahoo
- Continue working at Jive Software to build social applications platform
- Using OpenSocial and Apache Shindig as platform for building Application Framework
- Working with engineers and contributors from different organizations and companies
Introduction to OpenSocial

- OpenSocial is a public specifications that defines web container and set of APIs to embed external web applications
- Was initially started by Google and MySpace and supported by other web based companies such as Yahoo and LinkedIn
- Now is part of W3C social working group standards
- Embraced by enterprise companies such as Jive Software, SugarCRM, and Cisco
Introduction to Apache Shindig

- Top level project
- Was active PMC and committer
- OpenSocial reference implementation
- Graduated from incubator in 2010
- Mainly written in Java, JavaScript
- Server and client components
- https://shindig.apache.org/
Introduction to Jive Software

- Leading provider for communication and collaboration software for business [1]
- Jive Application Platform uses OpenSocial and Apache Shindig
- [https://developer.jivesoftware.com/intro#apps](https://developer.jivesoftware.com/intro#apps)

[1] https://www.jivesoftware.com/
Need to build platform to embed external web applications
Need to have specifications and standards to allow developers to develop applications
Need to build social APIs to work with Jive main web application
Security, authentication, authorization
Built in-house or embrace open source?
- Time
- Engineering Resource
- Documentation
- Standardization
- External developers effort
- Training and evangelism
Embracing OpenSocial as specifications for building framework and format to allow 3rd party web applications

Using Apache Shindig as the main engine to serve the social applications running inside Jive Software

Adding extension based on OpenSocial specifications
● Contributing back to Apache Shindig
● Pulling latest releases instead of fork
● Maintain fixes in internal source repository as short time solution
● Added new features to OpenSocial and Apache Shindig
  ○ Pluggable authentication module for testing
  ○ Common container
  ○ Embedded Experience
Collaborating with Others

- Work closely with IBM and SugarCRM to add embedded experience to OpenSocial specifications and the reference implementation in Apache Shindig [1]
- Support for Activity Streams specification [2]
- Support for OAuth 2.0 specification [3]

What’s next?

- The right Apache project could save time and resources
- Contribute back fixes and features to reduce maintenance cost for fixes
- Participate in the community to help others
- Contribute the right way to make sure your Intellectual Properties are safe
Thank you

Thank you and hope you enjoy the rest of the conference