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
- http://www.w3.org/blog/2014/12/opensocial-foundation-moves-standards-work-to-w3c-social-web-activity/
- 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/
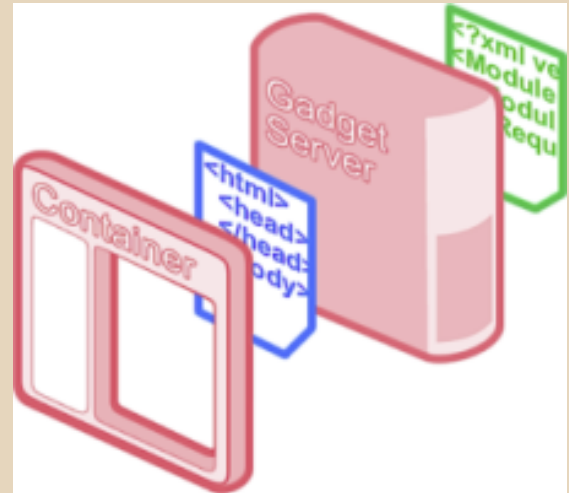
Introduction to Jive Software

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

[1] https://www.jivesoftware.com/

OpenSocial and Apache Shindig at Jive - 1

- 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

OpenSocial and Apache Shindig at Jive - 2

- 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

OpenSocial and Apache Shindig at Jive - 4

- 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]

[1] http://www.w3.org/Submission/osapi/

[2] http://activitystrea.ms/

[3] http://oauth.net/2/

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