How to run a successful hackathon?

Lessons learned from 8 hackathon/bug smash events in China
About us

Fred Li
Huawei
OpenStack Upstream Team Manager

Jianfeng Ding
Intel
OpenStack Engineering Manager

He Ruan
Tencent
Chief Architect
Tencent Cloud TStack
Agenda

- Journey of China OpenStack Bug Smash
- Procedure to Run the Hackathon
- Prediction to Next Event
OpenStack Bug Smashes in China

1. Apr 2015
2. Aug 2015
5. Nov 2016
6. May 2017
7. Nov 2017
8. April 2018
### Statistics in Each Bug Smash

<table>
<thead>
<tr>
<th>No.</th>
<th>Time</th>
<th>City</th>
<th>Release</th>
<th># of Bugs fixed</th>
<th># of Engineers</th>
<th># of Companies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Apr. 2015</td>
<td>Shanghai</td>
<td>Kilo</td>
<td>30</td>
<td>20</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>Aug. 2015</td>
<td>Xi’an</td>
<td>Liberty</td>
<td>118</td>
<td>50</td>
<td>8</td>
</tr>
<tr>
<td>3</td>
<td>Mar. 2016</td>
<td>Chengdu</td>
<td>Mitaka</td>
<td>116</td>
<td>59</td>
<td>9</td>
</tr>
<tr>
<td>4</td>
<td>Jul. 2016</td>
<td>Hangzhou</td>
<td>Newton</td>
<td>141</td>
<td>60</td>
<td>17</td>
</tr>
<tr>
<td>5</td>
<td>Nov. 2016</td>
<td>Shenzhen</td>
<td>Ocata</td>
<td>113</td>
<td>60</td>
<td>15</td>
</tr>
<tr>
<td>6</td>
<td>May. 2017</td>
<td>Suzhou</td>
<td>Pike</td>
<td>85</td>
<td>50</td>
<td>14</td>
</tr>
<tr>
<td>7</td>
<td>Nov. 2017</td>
<td>Wuhan</td>
<td>Queens</td>
<td>105</td>
<td>36</td>
<td>11</td>
</tr>
<tr>
<td>8</td>
<td>June 2018</td>
<td>Beijing</td>
<td>Rocky</td>
<td>109</td>
<td>102</td>
<td>21</td>
</tr>
</tbody>
</table>

817 bug fixed, 26 companies involved.
Supporting Companies in China

Platinum Members: 3
Gold Members: 14
Corporate Sponsors: 8
Supporting Organizations: 11
Super Users Award: 2

Data source: https://www.openstack.org/foundation/companies/
## Contribution in OpenStack -- Latest 6 Releases

<table>
<thead>
<tr>
<th>Release Date</th>
<th>Release Name</th>
<th># of China Companies</th>
<th># of Companies</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-04-30</td>
<td>Kilo</td>
<td>18</td>
<td>166</td>
</tr>
<tr>
<td>2015-10-15</td>
<td>Liberty</td>
<td>18</td>
<td>176</td>
</tr>
<tr>
<td>2016-04-07</td>
<td>Mitaka</td>
<td>20</td>
<td>185</td>
</tr>
<tr>
<td>2016-10-06</td>
<td>Newton</td>
<td>23</td>
<td>188</td>
</tr>
<tr>
<td>2017-02-22</td>
<td>Ocata</td>
<td>27</td>
<td>173</td>
</tr>
<tr>
<td>2017-08-30</td>
<td>Pike</td>
<td>45</td>
<td>175</td>
</tr>
</tbody>
</table>

Data source: [http://stackalytics.com/?release={release_name}&metric=marks](http://stackalytics.com/?release={release_name}&metric=marks)
Agenda

- Journey of China OpenStack Bug Smash
- Procedure to Run the Hackathon
- Prediction to Next Event
Phases to Run the Hackathon

- Yearly Plan
- Event Plan
- Promotion
- Run
- Review
Phase 1: Yearly Plan

- **Volunteers**
  - How many events for next year
  - Around when
  - Scope

- **Interface from companies**
  - Report the value, budget to management team
  - Get approval on the budget
Phase 2: Event Plan

❖ Voluntears
  ➢ Confirm the city, time
  ➢ Confirm the scope, IaaS and its surrounding
  ➢ Scale and budget

❖ Technical team
  ➢ Decide bug fixing, hands-on, integration, or other activities
  ➢ Communicate with their communities
  ➢ Get experts to join the hackathon
Phase 3: Promotion

❖ Logistics
  ➢ Reserve the location
  ➢ Provide promotion info

❖ Technical team
  ➢ Invite engineers via Maillists, IRC, Wechat in their communities
  ➢ Invite engineers from their companies
  ➢ Invite customers if necessary
Phase 4: Event is On

- Logistics
  - Provide all the services to attendees
  - Plan for the next event

- Technical team
  - Group the attendees by technologies/communities
  - Lead the discussion and development
  - Manage technical presentation
  - Summarize the output
  - Collect feedback
Phase 4: Review and Summary

❖ Volunteers & Technical team
  ➢ Check the financial expense
  ➢ Check the #attendees and #output
  ➢ Analyze the feedback from them
  ➢ Send out the summary report to communities
Agenda

- Journey of China OpenStack Bug Smash
- Procedure to Run the Hackathon
- Prediction to Next Event
Summary

- Developers and users have been growing in China
- To make OpenStack running on China better
  - Developer ecosystem need to be updated
  - LTS strategy is important
  - Cover important features vs virtualization
  - Help more engineers to enter community
Contact

Fred Li
yongle.li@gmail.com

JF Ding
jfding@gmail.com

Ruan He
ruanhe@tencent.com