

How to Participate Open Source development

- Open Source development tooling and community in the upstream -

Masayuki Igawa: masayuki@igawa.io

masayukig on Freenode, GitHub, Twitter, LinkedIn

@Room 201, 13:45-14:30, October 6, 2019

@openSUSE.Asia Summit 2019

<https://github.com/masayukig/oss-development-inside-story>

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Agenda

1. About me
2. Today's Goal
3. Open Source Communities
4. OpenStack as an example
5. True Stories
6. How to Participate
7. Summary

DISCLAIMER

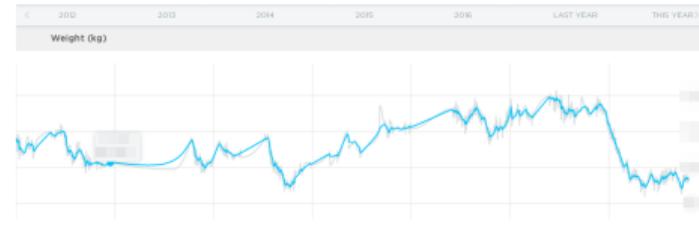
These slides are my own opinion

About me

- ▶ Company : 1998.4-2015.12 Traditional IT company in Japan,
2016.1-2017.3 HPE -> 2017.3- SUSE -> 2019("Further Independence for SUSE")
 - ▶ SUSE OpenStack Cloud Team
- ▶ Job: Senior Software Engineer/Open Source Programmer
 - ▶ [OpenStack QA](#) Up/Downstream development, Core Reviewer
(Tempest, OpenStack-Health, Subunit2SQL, Stackviz,etc.), [stestr](#)
 - ▶ stackalytics.com/?user_id=igawa, github.com/masayukig



- ▶ Books
 - ▶ [OpenStack Cloud Integration](#) (Japanese book) (one of the authors)
 - ▶ [Infra CI Pragmatic Guide - Ansible/GitLab](#) (Japanese book) (as a reviewer)
- ▶ Hobby: Bike(BMC SLR02), Clouds(OpenStack...), Diet(Low-carb), etc.



Introduction

Are you a User/Developer/Operator?

- ▶ An Open Source Software isn't generate by automatically
- ▶ Someone wrote, tested, developed
- ▶ If you're just a user, why not join development?

Today's Goal

- ▶ Development ways/tools in OpenStack/OSS communities
- ▶ Challenges in OSS development, but it's fun :)

Open Source Communities?

There are a lot styles. All OSS projects are different.

Examples: Led by

- ▶ Individual (so many, you can find a lot on github)
- ▶ One company (openSUSE, Ansible, Elastic Search, ...)
- ▶ Foundation (OpenStack, Kubernetes, Linux kernel, ...)



openstack®

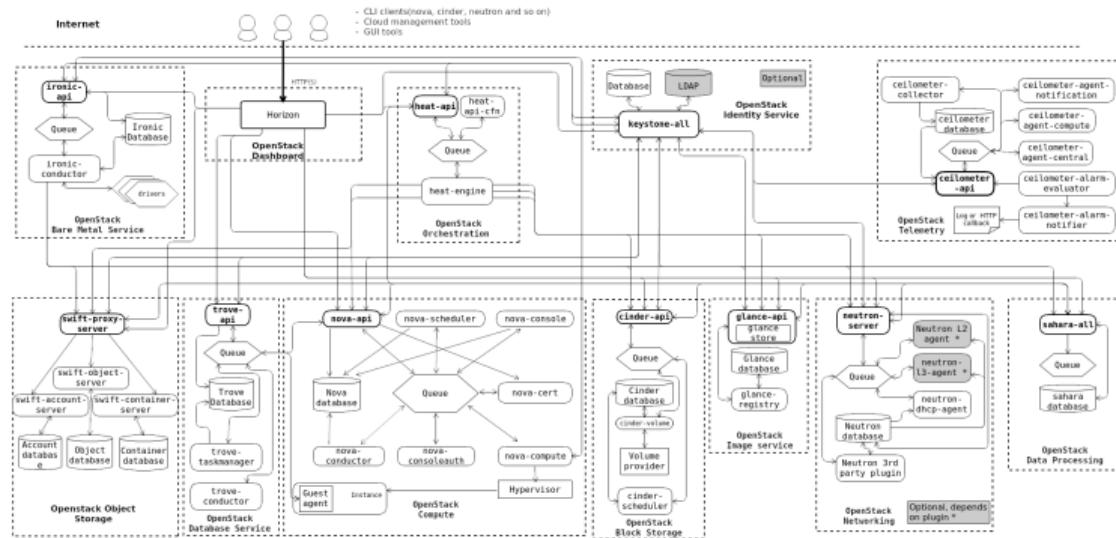


Let's take a look at the OpenStack community as an example.

OpenStack community as an example

What is the “OpenStack”?

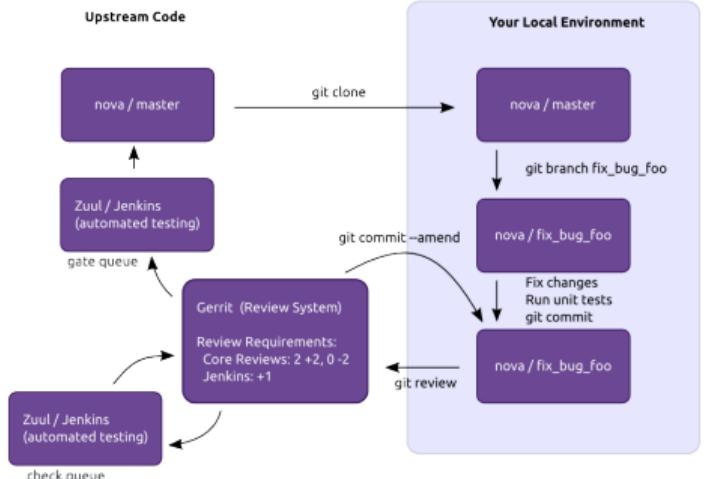
- Written in Python, Open Source Cloud Operation System: Apache License 2.0
- One of the top three active OSS communities
- There are a lot of ‘OpenStack’ projects: [63 projects\(2019-10-05\)](https://www.openstack.org/user-stories/)
- Released every 6 month: Latest version is called ‘Train’
- Users: AT&T, AA, BBVA, Bloomberg, CERN, China Mobile, Gap, VEXXHOST, Volkswagen, WALMART, etc.. <https://www.openstack.org/user-stories/>



Development Workflow in OpenStack

<https://docs.openstack.org/infra/manual/developers.html>

1. Submit a story to StoryBoard & discuss (Option)
2. Make a patch and submit it to Gerrit
3. Automated testing by Zuul
4. Review it on Gerrit
5. Automated testing by Zuul, and merge



Tools

- ▶ IRC on Freenode: #openstack-*(dev,nova,glance,qa,..) <https://freenode.net/>
 - ▶ Mailing List: <http://lists.openstack.org/>
 - ▶ StoryBoard: <https://storyboard.openstack.org/>
 - ▶ Launchpad: <https://launchpad.net>
 - ▶ Gerrit: <https://review.opendev.org/>
 - ▶ Gitea: <https://opendev.org/openstack/>
 - ▶ Zuul: <https://zuul.openstack.org>
 - ▶ OpenStack-Health: <http://status.openstack.org/openstack-health/>

The image shows the top navigation bar of the freenode website. It features the 'freenode' logo in green on the left, a search bar with the placeholder 'Search using Google' and a magnifying glass icon in the center, and the PIA logo on the right.

Did you hear? freenode #live is coming to town!

maed from Handshake on 2018-10-01

A little over a month from now, the second freenode #live will take place at [The Curious](#) in Bristol. With talks from many free and open source community leaders such as Leslie Hawthorn, VM Brissieur, Chris Lamb and Bradley Kuhn, freenode #live once again brings an international free software gathering to the south west.

Other exhibitors at this year's event will be the returning main sponsor, **Private Internet Access**, as well as the Free Software Foundation, OpenSUSE, Minetest, Linux Journal and the Handshake Project.

[Handshake](#) is a new decentralized alternative DNS root, and for a short time before

lists.openstack.org Mailing Lists	
Welcome!	Below is a listing of all the public mailing lists on lists.openstack.org. Click on a list name to get more information about the list, or to subscribe, unsubscribe, and change the preferences as your subscription. To visit the general information page for an unadvertised list, open a URL similar to this one, but with a "?" and the list name appended.
List Administrators	you can visit the list admin overview page to find the management interface for your list.
If you are having trouble using the lists, please contact support@lists.openstack.org .	
List	Description
Admins-test-org	[no description available]
App-catalog-admin	[no description available]
Ceph-operators	The Ceph Operators mailing list is the main contact point for publicly running a local OpenStack Group.
Folsom-testing	[no description available]
Enterprise.org	The Enterprise work group
Rheosaurus	General discussion for activities of the OpenStack Foundation
Rheosaurus-board	OpenStack Foundation Board of Directors
Rheosaurus-testing	working group to set the openstack foundation testing standards for humans not drivers
Icinga-mg	Icinga Working Group Mailing List
Inql-focus	Discussions on legislation related to the project
Marketing	The OpenStack Marketing list is meant to facilitate discussion and best practice sharing among marketers and other organizers in the OpenStack community.
Openstack-announce	Key announcements about OpenStack & Security advisories
Openstack-cc-repos	[no description available]
Openstack-codec	The team responsible to write content for openstack.org domain
openstack-dev	List for German speaking OpenStack users

Project management by StoryBoard - What's "StoryBoard"

- ▶ Story management tool developed by the OpenStack community
- ▶ Built from scratch, <https://opendev.org/opendev/storyboard/>
- ▶ Architecture: Frontend: JS/Angular, Backend: Python/Pecan
- ▶ 100% open source (Apache2.0)

The screenshot shows the StoryBoard application interface. The left sidebar has a dark theme with icons for Search, Dashboard, Worklists & Boards, Project Groups, Projects (which is selected), and Stories. The main area has a light background. At the top, there are buttons for 'Create New...' and 'Jump to...', and a dropdown for 'Masayuki Igawa'. The title 'openstack-infra/storyboard' is displayed with a star icon. Below it, the 'OpenStack Task Tracking API' section shows a list of 92 stories. The first few stories are:

ID	Description	Status	Actions
2004103	unable to install mariadb on multinode architecture	Active	[View, Edit]
2004098	Create New fails to create stories	Active	[View, Edit]
2004097	story lists in project view should only show stories with active tasks for that project	Active	[View, Edit]
2003944	Auto populate assignee to task when review is pushed	Active	[View, Edit]
2003886	Project Group Descriptions	Active	[View, Edit]
2003719	BUG: Card links don't work in boards	Active	[View, Edit]
2003701	Mixed Story & Task Automatic Worklist Error	Active	[View, Edit]
2003698	Feature Request: Enforce flavor extended parameters	Active	[View, Edit]
2003663	Browsing tasks on the search view sometimes gives an error	Active	[View, Edit]
2003554	Unicode issue with (at least) reporter names in migration from Launchpad	Active	[View, Edit]

Gerrit review system - What's "Gerrit"

- Android development community is using it
- Java, 100% open source, <https://www.gerritcodereview.com>
- Not Pull Request, submit a patch and merge it into a central repo
- A terminal client exists > Gerty: <https://gerty.readthedocs.io/>

The image shows two screenshots of the Gerrit Code Review interface. The left screenshot displays the main dashboard with four main sections: 'Discuss code' (with a speech bubble icon), 'Serve GR' (with a gear icon), 'Manage workflows' (with a lock icon), and 'Download' (with a download icon). Below each section is a brief description and a 'Learn More' button. The right screenshot shows a detailed view of a code review for a 'master' branch. It lists various commits by authors like BhagyaShwale, Andreas Jaeger, and Rofelio Alonso Hernandez. Each commit includes details such as subject, status, owner, project, branch, updated time, size, and a CR/V/W score. The interface also features a search bar at the top and navigation links for 'Projects', 'Documentation', 'Open', 'Merged', and 'Abandoned'.

Subject	Status	Owner	Project	Branch	Updated	Size	CR	V	W
Add new policy action v3d_autohealing	in progress	BhagyaShwale	openstack/tracker	master (bp/edu-auto-healing)	3:25 PM			+1	
Temporarily remove ha guide from index	in progress	Andreas Jaeger	openstack/openstack-manuals	master (bog/2799010)	3:23 PM		-1		
[WIP] Add native OVSDB implementation for OpenStack	in progress	Rofelio Alonso Hernandez	openstack/network-infra	master (bog/2799562)	3:25 PM		-1		
Node Exporter: allows to set collectors enable/disable	in progress	Jawon Choi	openstack/openstack-helm-infra	master (vsel-collectors)	3:25 PM		0		
Add charts for Elastic Beats	in progress	Steve Wilkerson	openstack/openstack-helm-infra	master (add_elastic_beats)	3:25 PM		-1		
Check pep8 without ignoring D400	in progress	Dan Cong Tien	openstack/ci-operator	master	3:24 PM		-1	-1	
Further refine tuning changes for Ceph	in progress	Matthew Hepler	openstack/openstack-helm-infra	master (Ceph-TUNING)	3:24 PM		0		
Add jobs table for bp add-myosq-support-for-freezer	in progress	georgsch2	openstack/freezer-api	master (bp/add-myosq-support-for-freezer)	3:24 PM		0		
Add session api for bp add-myosq-support-for-freezer	in progress	gecang	openstack/freezer-api	master (bp/add-myosq-support-for-freezer)	3:24 PM		0		
Add session table for bp add-myosq-support-for-freezer	in progress	gecang	openstack/freezer-api	master (bp/add-myosq-support-for-freezer)	3:24 PM		0		
[openstack] Create Araneus manifest file to deploy Ranger	in progress	Chi Lo	openstack/openstack-helm-addons	master (ranger_release0)	3:24 PM		-1	-1	
Release forstein reimplementation for tripleo	in progress	Juan Antonio Osorio Robles	openstack/release	master (tripleo/release)	3:23 PM		0	-1	
Implement Ceph-client helm test	in progress	Reis Makadia	openstack/openstack-helm-infra	master (959915)	3:23 PM		-1		
ceph: make log directory configurable	in progress	chirasaSubreddy maulavarapu	openstack/openstack-helm-infra	master	3:23 PM		0		
ceph: make log directory configurable	in progress	chirasaSubreddy maulavarapu	openstack/openstack-helm-infra	master	3:23 PM		0		
Implementing the cronjob module	in progress	Dmitri Kuznetsov	openstack/tripleo-helm	master	3:23 PM		0		
Add additional fix for ansible-role-openstack-operations for stable	in progress	Mike Chee	openstack/keystone	master (trivial)	3:23 PM		0		
Add zaqar status upgrade check command	in progress	Juan Antonio Osorio Robles	openstack/release	master (tripleo/release)	3:22 PM		0	+1	+1
Fixes for Jenkins CI pipeline	in progress	Rajat Dhurmsa	openstack/zaqar	master (upgrade-checkers)	3:22 PM		0	0	-1

FYI: Gerty - Gerrit in TTY

- Terminal client
- <https://gerty.readthedocs.io/>
- Demo

File Edit View Bookmarks Settings Help

Unreviewed 51 changes in openstack/tempest Error Sync: 0

Number	Subject	Branch	Topic	Owner	Updated	Size	C	V	W
570287	Deprecate available filters in favor of enabled	master	bug/1628443	Arton Llfshitz	2018-10-24	1	1	1	1
549111	Add test test_create_server_with_bdm_source_image	master	bdm_image	zhufl	2018-10-24	1	1	1	1
602981	Update REVIEWING docs with fast-track approval process	master	reviewing	Felipe Montelro	2018-10-24	1	1	1	1
612277	[Negative] Extend volume over quota limit	master	extend_volume_negati	Liron Kuchlani	2018-10-23	1	1	1	1
588120	Set max microversion 2.35 for nova floatingip and securitygroup	master	bp/clear-deprecated-	zhufl	2018-10-23	2	1	1	1
611068	Make connectivity test less backend dependent	master	bug/1798317	Lucas Alvares Gomes	2018-10-23	1	1	1	1
523935	Add profiler support into Tempest	master	profiler	Ilya Shakhat	2018-10-23	1	1	1	1
602415	Use tempest run command directly for full job	master	use-tempest-run	Masayuki Igawa	2018-10-22	1	1	1	1
560073	Forbid oslo.log to write to STDOUT	master	bug/1764375	Federico Rossi	2018-10-19	1	1	1	1
606909	Adding missing test case of account generator resources	master	606880	Manik Bindlish	2018-10-18	2	1	1	1
609644	Add response schema validation for volume limits	master	bp/volume-response-s	zhufl	2018-10-18	1	1	1	1
608706	Add ipv6 tempest jobs	master	ipv6job	Antonio Ojea	2018-10-17	1	1	1	1
587748	Adding missing test cases in "test_run.py"	master	bp/tempest-cli-unit-	Manik Bindlish	2018-10-17	1	1	1	1
594037	Add testcase for getting hypervisor servers in 2.53	master	hypervisor-252	zhufl	2018-10-16	1	1	1	1
600921	Add response schema validation for snapshot manage	master	bp/volume-response-s	zhufl	2018-10-13	1	1	1	1
605600	Add response schema validation for volume quota classes	master	bp/volume-response-s	zhufl	2018-10-13	1	1	1	1
609624	Add response schema validation for volume snapshots	master	bp/volume-response-s	zhufl	2018-10-12	1	1	1	1
606809	Add response schema validation for encryption types	master	bp/volume-response-s	zhufl	2018-10-12	1	1	1	1
608875	Add response schema validation for volume manage	master	bp/volume-response-s	zhufl	2018-10-12	1	1	1	1
534250	Check network connectivity of the instance before and after live migration	master	scenario.live_migrat	Liang Hao	2018-10-11	1	1	1	1
608898	Add response schema validation for volume transfer	master	bp/volume-response-s	zhufl	2018-10-11	1	1	1	1
605595	Add response schema validation for volume extensions	master	bp/volume-response-s	zhufl	2018-10-10	2	1	1	1
605985	Add response schema validation for volume types	master	bp/volume-response-s	zhufl	2018-10-10	1	1	1	1
606772	Add response schema validation for volume group snapshots	master	bp/volume-response-s	zhufl	2018-10-10	1	1	1	1
603339	Add response schema validation for volume quota set	master	bp/volume-response-s	zhufl	2018-10-10	1	1	1	1
605917	Add response schema validation for volume pools	master	bp/volume-response-s	zhufl	2018-10-09	1	1	1	1
606328	Add response schema validation for volume groups	master	bp/volume-response-s	zhufl	2018-10-09	1	1	1	1
606244	Add response schema validation for volume group types	master	bp/volume-response-s	zhufl	2018-10-08	1	1	1	1
603580	Add response schema validation for volume messages	master	bp/volume-response-s	zhufl	2018-10-08	1	1	1	1
605574	Add response schema validation for volume capabilities	master	bp/volume-response-s	zhufl	2018-10-08	1	1	1	1
589279	Immutable user source: test_llst_users	master	bug/1777847	Anna Pankiewicz	2018-10-05	1	1	1	1
587878	Immutable user source: test_credentials	master	bug/1777847	Anna Pankiewicz	2018-09-27	1	1	1	1
588393	Immutable user source: test_default_project_id	master	bug/1777847	Anna Pankiewicz	2018-09-27	1	1	1	1
588395	Immutable user source: test_users_negative	master	bug/1777847	Anna Pankiewicz	2018-09-27	1	1	1	1
607726	Use system creds for system operations	master	system-creds	Jamie Lennox	2018-09-25	1	1	1	1
384528	Adds protocol options for test_cross_tenant_traffic	master	bug/1363986	Claudiu Belu	2018-09-20	2	1	1	1
603295	Add response schema validation for volume hosts	master	bp/volume-response-s	zhufl	2018-09-20	1	1	1	1

↳ Subscribed projects

Gitea - Git with a cup of tea

- A painless self-hosted Git service
- Golang, MIT license
- <https://gitea.io>

The screenshot shows the Gitea interface for the `openstack / tempest` repository. The top navigation bar includes links for Home, Explore, and Help. Below the repository name, there are tabs for Code and Issues. The main content area displays a list of 13059 commits. Each commit is shown with a author (Matthew Treinish), a timestamp (e.g., 14 hours ago, 2 weeks ago, 3 years ago), and a brief description. A detailed commit message for one entry is expanded, showing code changes in the `tempest` directory.

Author	Date	Description
Matthew Treinish	14 hours ago	Add release note for <code>log_req_body_kwarg</code>
	2 weeks ago	Bump the <code>openstackclient</code> extension to 1.20
	3 years ago	Remove the Stress framework
	2 months ago	Setup framework for IPv6-only deployment verification
	14 hours ago	Add release note for <code>log_req_body_kwarg</code>
	1 month ago	Allow overriding <code>C5_TEST_TIMEOUT</code> via the role variables
	2 days ago	Fix the logging of request body credentials
	1 week ago	Remove <code>barbican-tempest</code> plugin from blacklist
	3 years ago	Remove the NegativeAutoTest Framework
	2 weeks ago	Added instructions about general IDE's in gitterone
	5 months ago	OpenDev Migration Patch
	1 year ago	Update mailmap for ghsanyam emails
	1 year ago	Switch Tempest CLI commands from testrepository to temstr
	2 weeks ago	Add irrelevant files to .zuul.yaml
	1 month ago	Add a CONTRIBUTING file

The screenshot shows the Gitea interface for the `openstack / tempest` repository, specifically for the `tempest / tempest / manager.py` branch. The top navigation bar includes links for Home, Explore, and Help. Below the repository name, there are tabs for Code and Issues. The main content area displays a list of 13059 commits. Each commit is shown with a author (Matthew Treinish), a timestamp (e.g., 14 hours ago, 2 weeks ago, 3 years ago), and a brief description. A detailed commit message for one entry is expanded, showing code changes in the `manager.py` file.

```
# Copyright 2012 OpenStack Foundation
# All Rights Reserved.
#
# Licensed under the Apache License, Version 2.0 (the "License"); you may
# not use this file except in compliance with the License. You may obtain
# a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS, WITHOUT
# WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
# License for the specific language governing permissions and limitations
# under the License.
#
# From oslo.log import log as logging
# From tempest import clients as tempest.clients
# From tempest import config
# From tempest.lib.services import clients
# CONF = config.CONF
# LOG = logging.getLogger(__name__)
#
#
# class Manager(clients.ServiceClients):
#     """Service client manager class for backward compatibility
```

Continuous Integration by Zuul - What's "Zuul"

- <https://zuul-ci.org/>
- Set a gate by automated testing - Stop Merging Broken Code
- CI/CD powered by Ansible
- Cross-Project Dependencies can be tested

ZUUL

Status Jobs Builds

Queue lengths: 0 events:0 management events:0 results.

change or project name Expand by default:

check [110]

Newly uploaded patchsets enter this pipeline to receive an initial +/−1 Verified vote.

Queue openstack/tripleo-heat-templates

- openstack/tripleo-heat-templates
612249.1
- openstack/tripleo-heat-templates
612316.1
- openstack/tripleo-heat-templates
612601.1
- openstack/tripleo-heat-templates
612602.1 0 min 3 hr 51 min

gate [15]

Changes that have been approved by core reviewers are enqueued in order in this pipeline, and if they pass tests, will be merged. For documentation on how gating with Zuul works, please see <https://zuul-ci.org/docs/zuul/user/gating.html>

Queue: tripleo

- openstack/tripleo-quickstart-extras
609550.3 15 min 2 hr 39 min
- openstack/tripleo-quickstart
612289.1 25 min 2 hr 5 min
- openstack/tripleo-heat-templates
611309.3 2 hr 20 min 46 min

post [0]

This pipeline runs jobs that operate after each change is merged. Queue items are identified by the abbreviated hash (git log --format=%h) of the merge commit.

promote [0]

This pipeline runs jobs that operate after each change is merged in order to promote artifacts generated in the gate pipeline.

pre-release [0]

When a commit is tagged with a pre-release tag, this pipeline runs jobs that publish archives and documentation.

release [0]

When a commit is tagged as a release, this pipeline runs jobs that publish archives and documentation.

periodic [0]

Jobs in this queue are triggered on a timer.

release-post [0]

This pipeline runs release-process-critical jobs that operate after specific changes are merged.

tag [0]

This pipeline runs jobs in response to any tag event.

periodic-stable [0]

Periodic checks of the stable branches

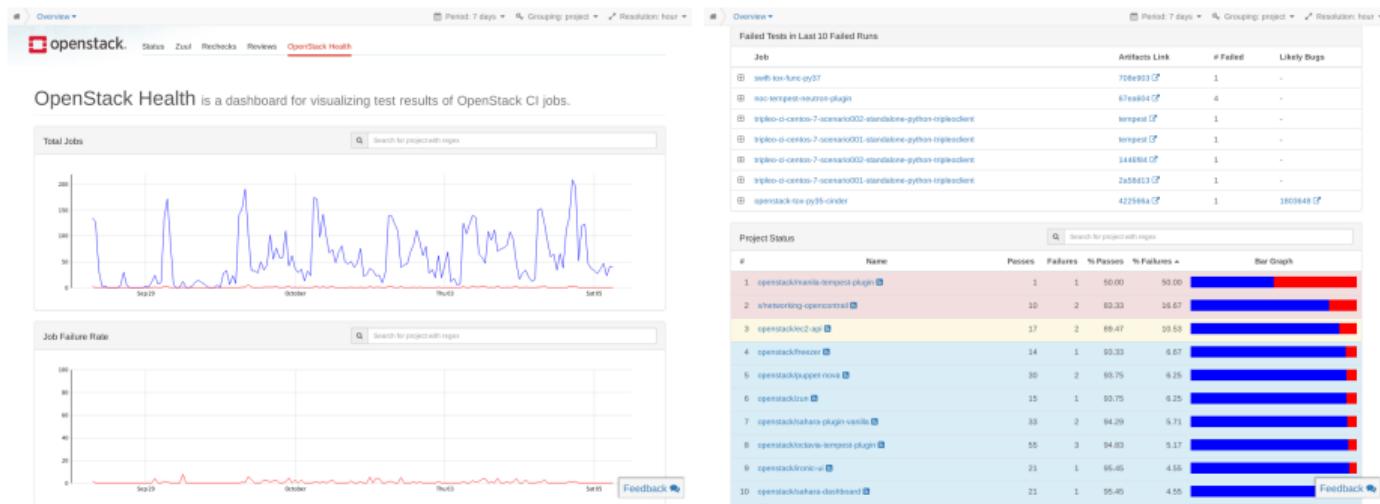
Documentation Tenant: openstack

refresh auto reload

The screenshot shows the Zuul CI interface with various pipelines listed on the left and their corresponding job queues on the right. The pipelines include check, gate, post, promote, pre-release, release, periodic, release-post, tag, and periodic-stable. Each pipeline has a summary box with the number of items in the queue, followed by a list of individual jobs with their names, IDs, and progress bars. The 'gate' pipeline is currently active with several jobs running. The 'check' pipeline has three pending jobs. Other pipelines like 'tag' and 'periodic' have no items in their queues.

Gate Health check by OpenStack Health

- A dashboard for visualizing test results of OpenStack CI jobs
- Built from scratch, <https://opendev.org/openstack/openstack-health/>
- Architecture: Frontend: JS/Angular, Backend: Python/Flask
- 100% open source (Apache2.0)



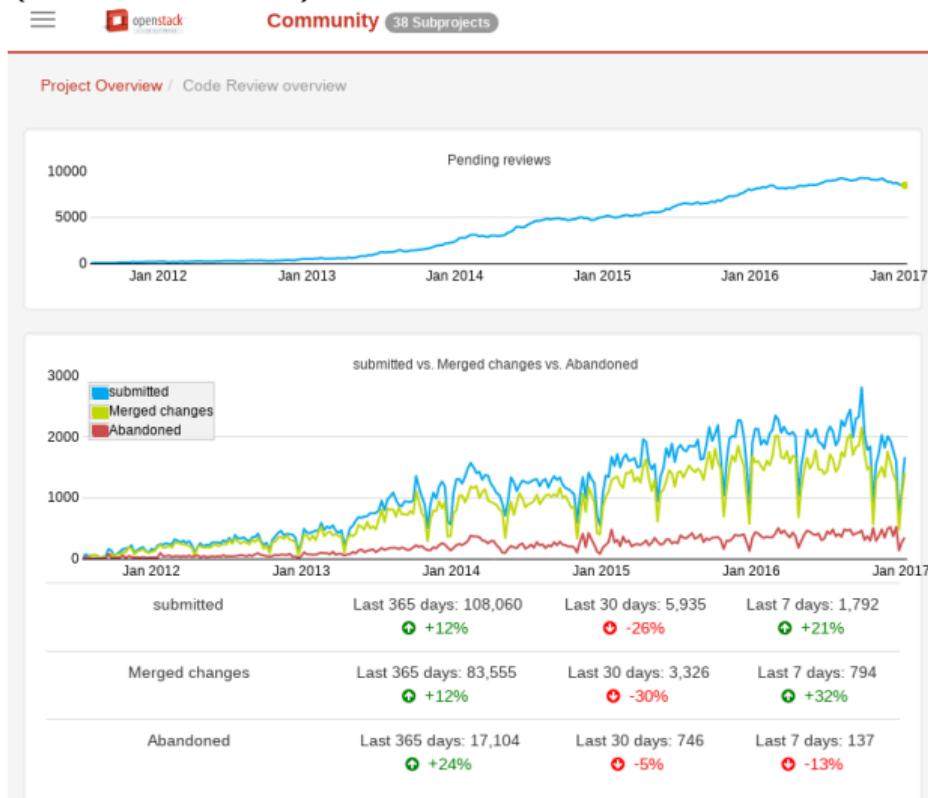
Inside Story

1. Very long time to get merged, why?
2. Unstable and Slow CI
3. Communication is important

1. Very long time to get merged, why?

- ▶ Project size \div Number of stakeholders
- ▶ Less communication (sending an email isn't a good idea)
- ▶ Less reviewers (next slide)
- ▶ Unstable and Slow CI

1. Less reviewers (cont. Why?)



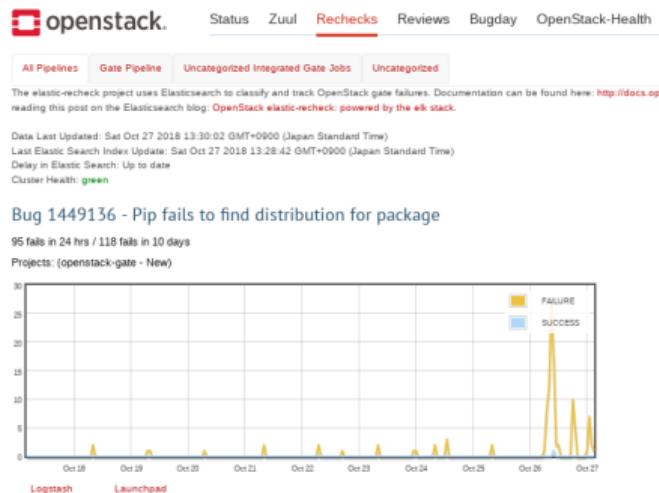
<http://activity.openstack.org/dash/browser/scr.html>

2. Unstable and Slow CI

- ▶ Easily rot if the code doesn't work in CI
- ▶ “CI” is not perfect
- ▶ Busy neighbors problem
- ▶ Rapid fixing is necessary - next slide

2. Elastic Recheck (cont. Unstable and Slow CI)

Correlate a bug to a signature in a log, and detect the bug automatically



A screenshot of a log search result for bug 1737039.yaml. The result page has a header with a file icon, the file name "1737039.yaml", its size "105B", and a "Raw" button. Below the header is a "Permalink" button, a "Blame" button, and a "History" button. To the right of these buttons are edit and delete icons. The log entry itself is numbered 1 and contains the following text:

```
1 query: >-
2   message:"Kernel panic - not syncing" AND
3   message:"timer doesn't work" AND
4   tags:"console"
```

<http://status.openstack.org/elastic-recheck/>, <https://opendev.org/opendev/elastic-recheck/src/branch/master/queries/1737039.yaml>

3. Communication is important (English is hard)

- ▶ Discussion
- ▶ Find a job (e.g. difficult to get good salary as a programmer basically in Japan)
- ▶ Fun (Take care of yourself! :)

Masayuki Igawa @ [@masayukig](#)

#aftersoc #afterstack #OpenStackSummit
#openstack #suse



1:45 PM - 26 May 2018

12 Likes 

Comment Share Like 12 More

Kendall Nelson  Following

Kicking off the #OpenStackSummit early with #OpenStackUpstreamInstitute! 19 attendees and 14 mentors made it today :)
@tonybreeds @jungleboyj @ldikoVancsa @vkmc @kmarc @marton_kiss @spotzz_ @ghanshyammann @masayukig



6:59 AM - 20 May 2018

7 Retweets 31 Likes 

Comment Share Like 7 More

3. English as a second language (cont. Communication is important)

- We have a document: <https://docs.openstack.org/doc-contrib-guide/non-native-english-speakers.html>
- Not only language but also culture (For example: Zensho shimasu (善処します))

The screenshot shows the OpenStack Documentation website. The top navigation bar includes links for SEARCH, SOFTWARE, USERS, COMMUNITY, MARKETPLACE, EVENTS, LEARN, DOCS, JOIN, and LOG IN. The main content area has a header "Non-native English speakers" with a "Note" icon. Below the header, a note states: "OpenStack projects communicate in English, and our documentation is written in US English. However, many documentation contributors have English as a second (or third, or fourth) language. This poses many challenges for non-native English speakers, but there are some things that native English speakers can do to make it easier to include non-native speakers in our community. This chapter contains some suggestions for both native and non-native English speakers to help make our community more inclusive and welcoming for all people." A "Note" section below this includes a note about a talk at linux.conf.au 2017 and links to YouTube and opensource.com. The sidebar on the left lists various documentation guides and resources.

openstack. | SEARCH | SOFTWARE ▾ | USERS ▾ | COMMUNITY ▾ | MARKETPLACE | EVENTS ▾ | LEARN ▾ | DOCS | JOIN ▾ | LOG IN

Non-native English speakers

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OpenStack projects communicate in English, and our documentation is written in US English. However, many documentation contributors have English as a second (or third, or fourth) language. This poses many challenges for non-native English speakers, but there are some things that native English speakers can do to make it easier to include non-native speakers in our community. This chapter contains some suggestions for both native and non-native English speakers to help make our community more inclusive and welcoming for all people.

Note

This chapter was written based on the wonderful talk given by Masayuki Igawa, Dong Ma, and Samuel De Medeiros Queiroz at linux.conf.au in 2017. Thank you for their permission to use this content, and for their feedback and support during development. You can watch their original talk on YouTube: [Non-native English speakers in Open Source communities: A True Story](#) or read their article on opensource.com: [Tips for non-native English speakers working on open source projects](#).

New contributors with English as a second language

Challenges related to language skills are easier to overcome than cultural ones. Cultural differences need to be respected, while English skills can always be improved.

In order to brush up on your English skills, be in contact with the language as much as you can. Do not think about your limitations. Just do your best and you will improve eventually.

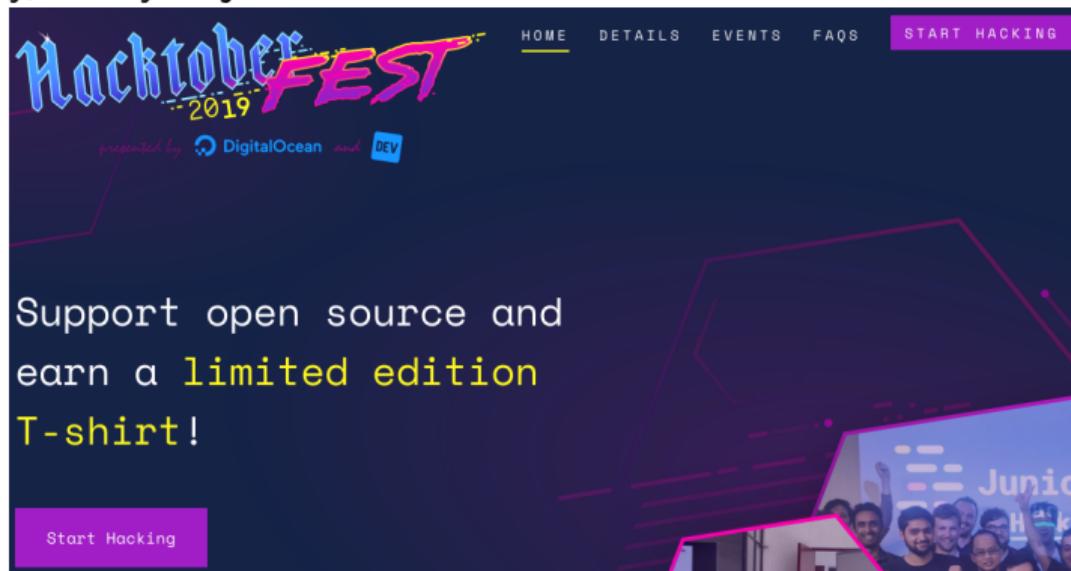
Documentation Contributor Guide

- Quickstart
- Documentation team structure
- 2017/2018 documentation team vis...
- Non-native English speakers
 - New contributors with En...
 - Working with non-native E...
- Blueprints and specifications
- Project guide setup
- Landing pages on docs.openstack...
- Governance tag documentation gui...
- OpenStack API documentation
- Documentation bugs
- Writing documentation
- Writing style
- OpenStack user experience and use...
- RST conventions
- JSON conventions
- Diagram guidelines

How to participate Open Source Community

How to participate Open Source development

- ▶ Find projects which you are interested in
- ▶ Find online/offline mentor(s) and friends
- ▶ Understand culture of communities
- ▶ Not only code, using/testing, submit bugs/issues, documentation, translation, etc.
- ▶ As a study, hobby or job?



<https://hacktoberfest.digitalocean.com/>

Conclusion

- ▶ Gerrit, StoryBoard, Zuul, OSS can be used for non-OSS product
- ▶ Communication is important, and English too
- ▶ Development OSS is fun! and tough sometimes. Why not participate in it?

Appendix

- ▶ Slides: [https://github.com/masayukig/oss-development-inside-story/
blob/master/oss-development-inside-story.pdf](https://github.com/masayukig/oss-development-inside-story/blob/master/oss-development-inside-story.pdf)
- ▶ Contact info: masayukig on [Freenode](#), [GitHub](#), [Twitter](#), [LinkedIn](#)
- ▶ StoryBoad:
<https://docs.openstack.org/infra/system-config/storyboard.html>
- ▶ Gerrit: <https://www.gerritcodereview.com/>
- ▶ Zuul: <https://zuul-ci.org/>
- ▶ Non-native English speakers in Open Source communities:
<http://bit.ly/esl-yvr>