



오픈 소스 개발 Upstream

2016년 12월 16일, ONOS/CORD 워킹 그룹 2차 세미나

최영락, 오픈스택 한국 커뮤니티 운영진

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Part I

오픈 소스와 Upstream 개발 개요

Upstream 개발이 지니는 의미가 무엇일까요?

OpenStack Upstream Training



UPDATED: 2016-12-09 07:41

요약

전 세계 300개의 다른 기관으로부터 2,000 명 이상의 개발자와 함께, OpenStack은 가장 커다란 서로 협력하는 소프트웨어 개발 프로젝트 중 하나입니다. 이러한 크기로 인하여, 사회적 규범 및 기술적인 관계에 있어 거대한 다양성으로 특징이 지어지고 있습니다. 이러한 것들로 인해 새로 온 사람들이 OpenStack 프로젝트에 통합됨에 따른 변화의 속도가 확연히 줄어들 수 있습니다.

새로운 기능 제공, 문서 작성, 작업 그룹 참가 등과 같이 OpenStack에 기여하는 서로 다른 방법에 관한 지식을 공유하기 위해 교육 프로그램을 디자인하였습니다. 해당 교육 프로그램은 개발된 상호 협력에 대한 원칙하에 만들어졌으며 학생들이 어떻게 정보를 찾고 컨트리뷰션을 수용되도록 하기 위한 프로젝트 기술 도구 및 사회적 상호 작용에 있어서의 복잡성을 다루는지를 가르칩니다. 생생한 하루 및 반나절 수업 기간 동안 학생들은 새로운 코드 토막 또는 리뷰를 위한 문서화를 테스트, 준비하고 업로드하는 방법을 배우기 위해 준비된 개발 환경을 사용할 수 있습니다. 또한 참석자들은 더 나아가 OpenStack 커뮤니티 내에서 활발하고 성공적인 구성원이 되기 위한 도움 및 가이드를 얻는 멘토링 프로그램에 가입할 수 있는 기회가 주어집니다.

보다 자세한 정보는, [OpenStack Upstream Training 세부 사항](#)를 살펴봅니다.

참고: OpenStack에서 바라보는 Openness

- Open Source
 - 재사용 및 확장 가능한 진정한 의미에서의 오픈 소스를 목표로 함
 - No “Enterprise Edition”
- Open Design
 - 요구 사항 수집 및 로드맵 승인 등 모든 절차를 대중에게 공개
 - 개방형 디자인의 의미보다는 모든 설계 과정을 open하겠다는 의미에 가까움
- Open Development
 - 모든 소스 코드 공개를 개방된 코드 리뷰 과정을 거치며, 모든 과정은 투명하게 문서화됨
- Open Community
 - 커뮤니티를 통해 설계 과정을 결정
 - 모든 프로젝트 미팅은 공개 IRC 채널을 통해 열리며 기록

내가 생각하는 오픈 소스

공개된 소스코드를 중심으로

공개된 장소에 사람들이 모여

공개된 절차에 따라 의사 결정을 하고

공개된 프로그램을 만드는 개발 방법론

(커뮤니티를 통해 함께)

오픈 소스 시작: from small to larger

- Github 하나로 시작할 수 있습니다!
 - 소스 관리도 되고 (git repository)

The screenshot shows the GitHub interface for the repository 'OpenNetworkingFoundation / extensibility'. At the top, it indicates the repository is 'Private' and shows 60 Unwatch, 13 Star, and 3 Fork actions. Below this is a navigation bar with links to Code, Issues (0), Pull requests (0), Projects (0), Wiki, Pulse, and Graphs. The repository name 'Extensibility Working Group' is displayed. A summary bar shows 3,071 commits, 427 branches, 76 releases, and 22 contributors. Below this is a bar with 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find file', and a green 'Clone or download' button. The main content area shows a commit by 'bmackcrane' titled 'Merge branch 'spec/xiaomin/ext-556-566'', with the latest commit 'ab50ff1' made 20 hours ago. Below the commit is a table of files:

Features	Features: fix typo in slides about 1.3 meters.	4 years ago
Goals	Initial set of documents	5 years ago
Meeting-Notes	Meeting notes 26 march 2015: correction from Ben Pfaff.	2 years ago
Wire-Protocol	Initial set of documents	5 years ago

오픈 소스 시작: from small to larger

- Github 하나로 시작할 수 있습니다!
 - 다른 사용자가 소스를 가져다가 작업할 수도 있고 (fork & pull request)

The screenshot shows a GitHub pull request interface. At the top, the repository is identified as 'osrg / ryu-book'. It has 18 watchers, 22 stars, and 26 forks. The pull request is titled 'Korean: Following up to updated content with changing README #22' and is created by 'ianychoi'. It shows 11 commits and 8 files changed. A comment from 'ianychoi' dated '15 Nov' is visible. On the right side, there is a notification box that says 'You can now request reviews from specific people you work with. Learn more.' with a 'Got it!' button. Below the notification, there are sections for 'Reviewers' (No reviews), 'Assignees' (No one assigned), and 'Labels'.

osrg / ryu-book

Watch 18 Star 22 Fork 26

Code Issues 0 Pull requests 1 Projects 0 Wiki Pulse Graphs

Korean: Following up to updated content with changing README #22

Edit

Open ianychoi wants to merge 11 commits into osrg:master from ianychoi:localization/korean

Conversation 2 Commits 11 Files changed 8

ianychoi commented on 15 Nov Contributor

You can now request reviews from specific people you work with. [Learn more.](#)

Got it!

Reviewers

No reviews

Assignees

No one assigned

Labels

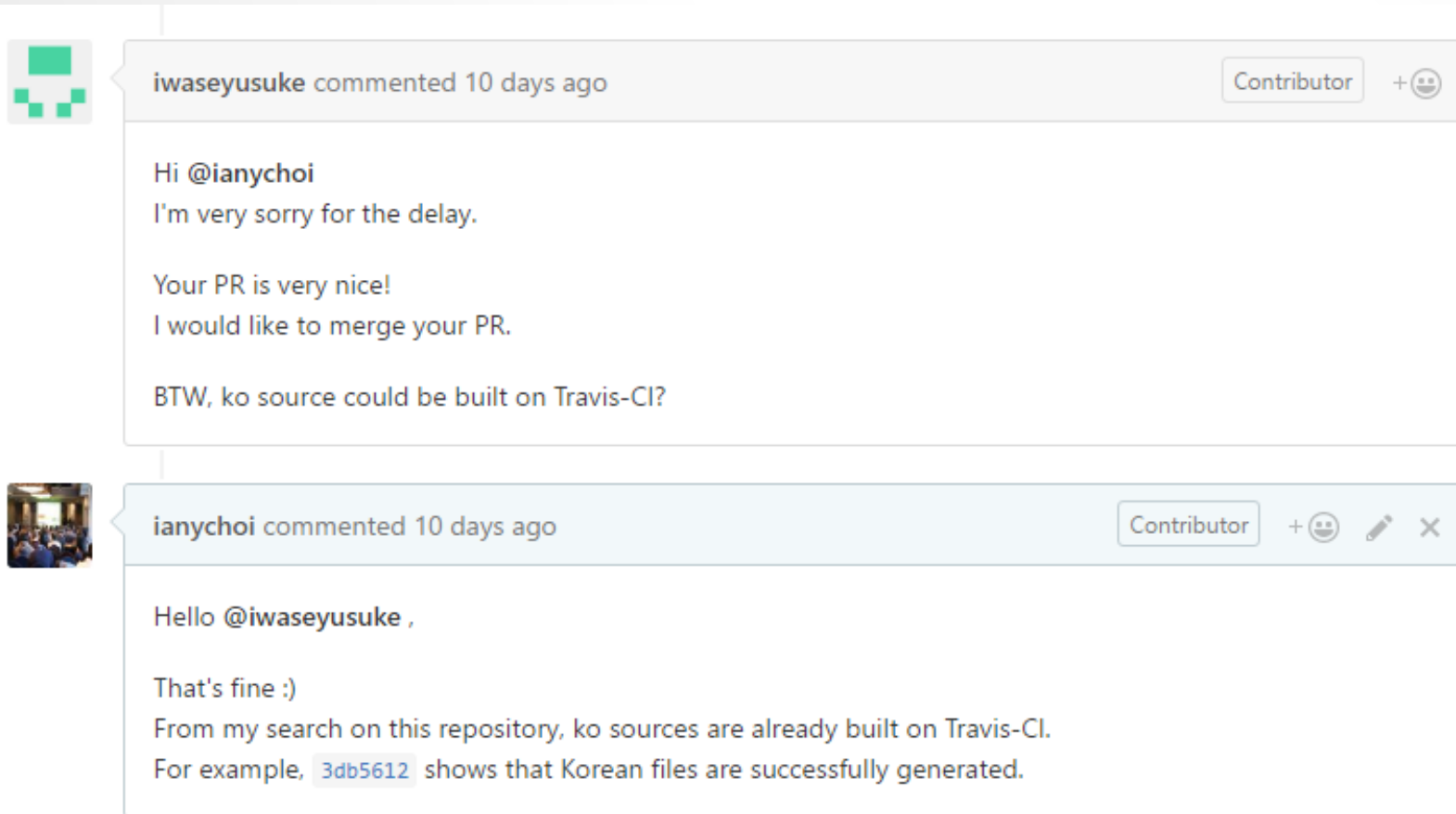
ianychoi / extensibility Private
forked from OpenNetworkingFoundation/extensibility

up to updated content in Japanese into Korean documentation.

rk would be to follow 3f501ad and others, but I have found that the amount of work is relatively big so I think I need to separate into two pull requests. This is the first.



오픈 소스 시작: from small to larger

- Github 하나로 시작할 수 있습니다!
 - 다른 사용자가 작업한 소스를 리뷰 및 코멘트를 작성 가능하고 (pull request review)




오픈 소스 시작: from small to larger

- Github 하나로 시작할 수 있습니다!
 - 리뷰를 완료하면 병합 또한 가능하며 (merge and/or rebase)

  fujita merged commit 179b2ac into `osrg:gh-pages` on 24 Mar 2015


 fujita commented on 24 Mar 2015

Member + 


Pushed both, thanks a lot!

 Pull request successfully merged and closed

You're all set—the `ianychoi:gh-pages-osrg` branch can be safely deleted.

 Delete branch

 fujita commented on 1 Oct 2014

Member + 

Thanks! Please rebase. We try to avoid 'merge commit'. Also you can drop some of the changes you made to README.md in the top directory.

오픈 소스 시작: from small to larger

- Github 하나로 시작할 수 있습니다!
 - 버그 등이 있을 때 사용자 피드백을 받을 수도 있으며 (issues)

The screenshot shows the GitHub interface for the 'babel / babel' repository. At the top, there are buttons for 'Watch' (630), 'Star' (19,027), and 'Fork' (1,512). Below these are navigation tabs for 'Code', 'Issues' (410), 'Pull requests' (73), 'Projects' (4), 'Wiki', 'Pulse', and 'Graphs'. The 'Issues' tab is selected. Below the tabs, there is a search bar with the text 'is:issue is:open' and buttons for 'Filters', 'Labels', 'Milestones', and a green 'New issue' button. The main content area displays a list of issues. The first issue is '[transform-modules-umd] Better exported name for main module' (#5003) opened 6 hours ago by julien-f. The second issue is 'babel-preset-react bug when using ignore option' (#5002) opened 7 hours ago by mskec. The third issue is 'Merge babel-plugin-transform-es2015-modules-strip into Babel's codebase.' (#5000) opened 13 hours ago by bardiharborow, with 2 comments.

babel / babel

Watch 630 Star 19,027 Fork 1,512

Code Issues 410 Pull requests 73 Projects 4 Wiki Pulse Graphs

Filters is:issue is:open Labels Milestones New issue

410 Open 3,169 Closed Author Labels Milestones Assignee Sort

- [transform-modules-umd] Better exported name for main module
#5003 opened 6 hours ago by julien-f
- babel-preset-react bug when using ignore option
#5002 opened 7 hours ago by mskec
- Merge babel-plugin-transform-es2015-modules-strip into Babel's codebase.
#5000 opened 13 hours ago by bardiharborow 2

오픈 소스 시작: from small to larger

- Github 하나로 시작할 수 있습니다!
- 문서화 등을 위한 위키 또한 지원합니다 (wiki)

The screenshot shows the GitHub repository for Babel. At the top, the repository name 'babel / babel' is displayed. To the right, there are buttons for 'Watch' (630), 'Star' (19,027), and 'Fork' (1,512). Below these, a navigation bar includes links for 'Code', 'Issues' (410), 'Pull requests' (73), 'Projects' (4), 'Wiki' (selected), 'Pulse', and 'Graphs'. The main content area is titled 'Home' and includes a note that 'Henry Zhu edited this page on 11 Nov · 9 revisions'. Below this, a large heading reads 'Welcome to the Babel wiki!'. To the left of this heading, several links are listed: 'Website: https://babeljs.io', 'REPL: https://babeljs.io/repl', 'Slack signup: https://slack.babeljs.io/', 'Slack: https://babeljs.slack.com', 'Meeting Notes: https://github.com/babel/notes', and 'Roadmap: https://github.com/babel/babel/issues/4130'. On the right side, a 'Pages' sidebar shows a list of links: 'Home', 'Babel 7', 'Internal Plugins', 'Packages', 'PR Labels', and 'Regressions Bug Notes'. At the bottom, there is a section titled 'Clone this wiki locally' with a text input field containing 'https://github.com/babel/ba' and a 'Clone in Desktop' button.

babel / babel

Watch 630 Star 19,027 Fork 1,512

Code Issues 410 Pull requests 73 Projects 4 Wiki Pulse Graphs

Home

Henry Zhu edited this page on 11 Nov · 9 revisions

Welcome to the Babel wiki!

Website: <https://babeljs.io>

REPL: <https://babeljs.io/repl>

Slack signup: <https://slack.babeljs.io/>

Slack: <https://babeljs.slack.com>

Meeting Notes: <https://github.com/babel/notes>

Roadmap: <https://github.com/babel/babel/issues/4130>

Pages 6

- Home
- Babel 7
- Internal Plugins
- Packages
- PR Labels
- Regressions Bug Notes

Clone this wiki locally

<https://github.com/babel/ba>

Clone in Desktop

오픈 소스 규모가 커지면...

- 코드 리뷰의 중요성: e.g.) Gerrit
- Case example: <https://review.openstack.org/#/c/396943/>

Change 396943 - Merged Reply... Included in ▼

PDF generation support with --pdf option

This commit proposes PDF generation with pdflatex. Executing Sphinx with latex option generates .tex files will be performed first, and pdflatex converts from .tex to .pdf files.

More details are as followings:

- Adds texlive related package binary dependency (>= Trusty)
: inkscape texlive-latex-base texlive-latex-extra texlive-fonts-recommended
- build-rst.sh: --pdf option is added
- install-guide PDF support using --pdf option
- PDF support for serveral documents
: arch-design, cli-reference, ha-guide, ops-guide, user-guide, networking-guide, arch-design-draft
(testable using like "tox -e build -- networking-guide --pdf")
- Intermediate files for building .tex (required for converting into

Author	Ian Y. Choi <ianyrchoi@gmail.com>	Nov 14, 2016 12:20 AM
Committer	Ian Y. Choi <ianyrchoi@gmail.com>	Dec 2, 2016 6:55 AM
Commit	4d42034432817f4f1efb6ca2841e260cab996ce5	(gitweb)
Parent(s)	daf020f55b242d63cf186205bff7269dbbf3ad20	(gitweb)
Change-Id	I66242f44bb13f1a09be0904a491c84f42f25c3a2	

Owner Ian Y. Choi

Reviewers Alexandra Settle Christian Berendt Jenkins KATO Tomoyuki Lana Brindley Add... Andreas Jaeger Anne Gentle Lutz Birkhahn Tom Fifield

Project openstack/openstack-manuals

Branch master

Topic bp/build-pdf-from-rst-guides

Updated 6 days ago

Cherry Pick Revert

Code-Review +2 Alexandra Settle Christian Berendt KATO Tomoyuki Lana Brindley


Verified +2 Jenkins

Workflow +1 KATO Tomoyuki

Jenkins check	Dec 2 7:06 AM
gate-openstack-manuals-tox-checkniceness-ubuntu-xenial	SUCCESS in 4m 34s
gate-openstack-manuals-tox-doc-publish-checkbuild	SUCCESS in 7m 41s

오픈 소스 규모가 커지면...


- 이슈 및 기능 추적: e.g.) Launchpad, Jira
 - Case example 1: <https://bugs.launchpad.net/pbr/+bug/1379998>


 **PBR**









Overview Code **Bugs** Blueprints Translations Answers



pbr incompatible with sphinx 1.3b1

Bug #1379998 reported by  Steve Martinelli on 2014-10-11

This bug affects 2 people. Does this bug affect you? 

 12

Affects	Status	Importance	Assigned to	Milestone
 PBR 	Fix Released 	Medium	 Ian Y. Choi 	
 oslotest 	Fix Released 	High	Unassigned 	oslotest 1.2.0

 Also affects project   Also affects distribution/package

New

Not looked at yet.

Incomplete

Cannot be verified, the reporter needs to give more info.

Opinion

Doesn't fit with the project, but can be discussed.

Invalid

Not a bug. May be a support request or spam.

Won't Fix

Doesn't fit with the project plans, sorry.

Confirmed

Verified by someone other than the reporter.

Triaged

Verified by the bug supervisor.

In Progress

The assigned person is working on it.

Fix Committed

Fixed, but not available until next release.

Fix Released

The fix was released.

오픈 소스 규모가 커지면...

- 이슈 및 기능 추적: e.g.) Launchpad, Jira
 - Case example 2: Jira 사용 (예시)

GRIT board

QUICK FILTERS: Only My Issues Recently Updated

0 Selected for Development 0 In Progress Max 4 49 Done

[iOS] 나를 돌아보기 - 추천활동 부분 개선

[iOS] 그릿테스트 - 스크롤 기능 추가

[iOS] 강점 발견하기 - 애니메이션 수정

[iOS] 챗터 조회 - 아이폰에서 상단 이미지 잘림

[iOS] Mute 모드시에도 음원 소리 나도록 변경

[iOS] 버그: 이전 코스 완료시 잠금 코스 미시작

비밀번호 재설정 안내 메일 내용 중 링크 url 오류

GRIT / GRIT-10

[iOS] 나를 돌아보기 - 추천활동 부분 개선

Details

Status: **DONE** (View workflow)

Priority: **Low**

Component/s: None

Labels: None

Affects Version/s: None

Fix Version/s: None

Epic Link: None

People

Reporter: 최영락

Assignee: 최영락

Dates

Created: 31/May/16 2:06 PM

Updated: 03/Jun/16 5:21 PM

Description

추천 활동이 뜨기전에 empty 화면이 중간에 깜빡이고 떠서 버그처럼 보임

Comments

There are no comments yet on this issue.

오픈 소스 규모가 커지면...

- 자동 빌드: Jenkins
 - Case example: <https://review.openstack.org/#/c/410341/>

SeongSoo Cho Uploaded patch set 1.

Jenkins

Patch Set 1: Verified+1

Build succeeded (check pipeline).

gate-openstack-doc-tools-python35 SUCCESS in 4m 04s
gate-openstack-doc-tools-pep8-ubuntu-xenial SUCCESS in 10m 54s
gate-openstack-doc-tools-python27-ubuntu-xenial SUCCESS in 3m 03s

SeongSoo Cho

Uploaded patch set 3: Commit message was updated.







Jenkins

Patch Set 3: Verified+1

Build succeeded (check pipeline).

gate-openstack-doc-tools-python35 SUCCESS in 2m 45s
gate-openstack-doc-tools-pep8-ubuntu-xenial SUCCESS in 3m 12s
gate-openstack-doc-tools-python27-ubuntu-xenial SUCCESS in 2m 40s

Index of /41/410341/3/check/gate-xenial/4833f3c

Name	Last modified	Size	Description
 Parent Directory		-	
 zuul ansible/	2016-12-14 01:24	-	
 console.html	2016-12-14 01:23	110K	
 testr_results.html.gz	2016-12-14 01:23	2.4K	
 testrepository.subunit.gz	2016-12-14 01:23	452	
 tox/	2016-12-14 01:23	-	

```
2016-12-14 01:23:54.077747 | + /usr/local/jenkins/slave_scripts/jenkins-oom-grep.sh post
2016-12-14 01:23:54.083724 | + oomresult=0
2016-12-14 01:23:54.083751 | + '[' 0 -ne 0 ']'
2016-12-14 01:23:54.083762 | + check_nose_html
2016-12-14 01:23:54.083915 | ++ find . -name nose_results.html
2016-12-14 01:23:54.094283 | + htmlreport=
2016-12-14 01:23:54.094319 | + '[' -f '' ']'
2016-12-14 01:23:54.094338 | + find .tox -type f -name '*.log' -exec mv '{}' '{}.txt' ';'
2016-12-14 01:23:54.106983 | + exit 0
2016-12-14 01:23:54.107010 | + rm -rf /tmp/tmp.P6EzwmoAAz
2016-12-14 01:23:54.108130 | [Zuul] Task exit code: 0
2016-12-14 01:23:54.680986 | The following un-ignored files were created during the test:
2016-12-14 01:23:54.681044 | testr_results.html.gz
2016-12-14 01:23:54.681059 | testrepository.subunit.gz
2016-12-14 01:23:54.681139 | upper-constraints.txt
2016-12-14 01:23:54.682250 | [Zuul] Task exit code: 0
2016-12-14 01:23:55.672623 | [Zuul] Job complete, result: SUCCESS
```

오픈 소스 규모가 커지면...

- 통합 인증 체계
 - Case example 1: openstackid (<https://openstackid.org/accounts/user/profile>)
 - Case example 2: ONOS crowd (<https://crowd.onlab.us/openidserver/>)



Welcome, Ian Y. Choi.

[edit your profile](#)

[logout](#)

This is your identity page. You are cu
You can display information such as

My OpenID



<https://crowd.onlab.us/openidserver/users/ianychoi>

Use this URL to log in to websites that support OpenID.

Or use this server's OpenID 2.0 endpoint URL: <https://crowd.onlab.us/openidserver/op>

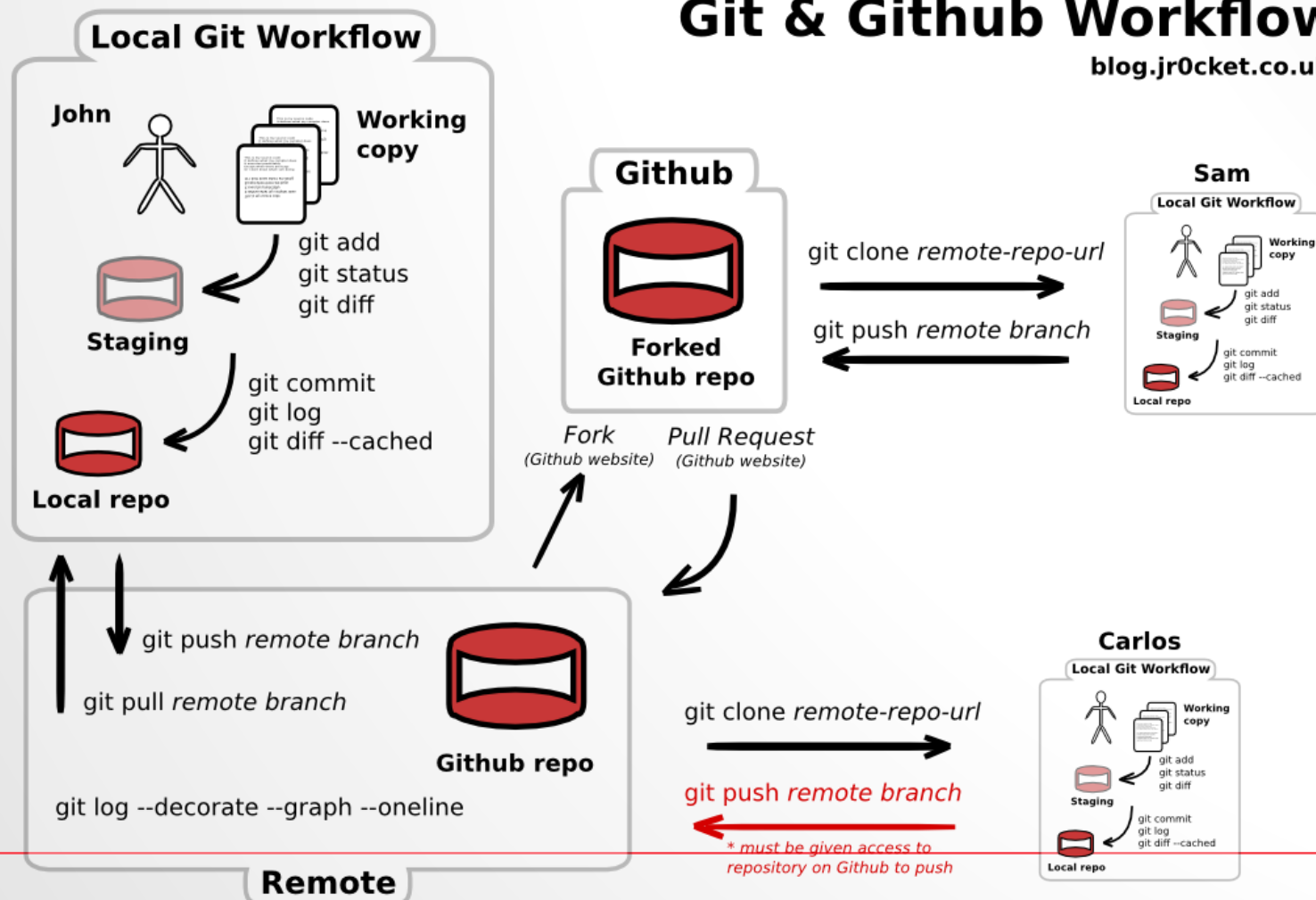
Part II

주요 Upstream 개발 워크플로우

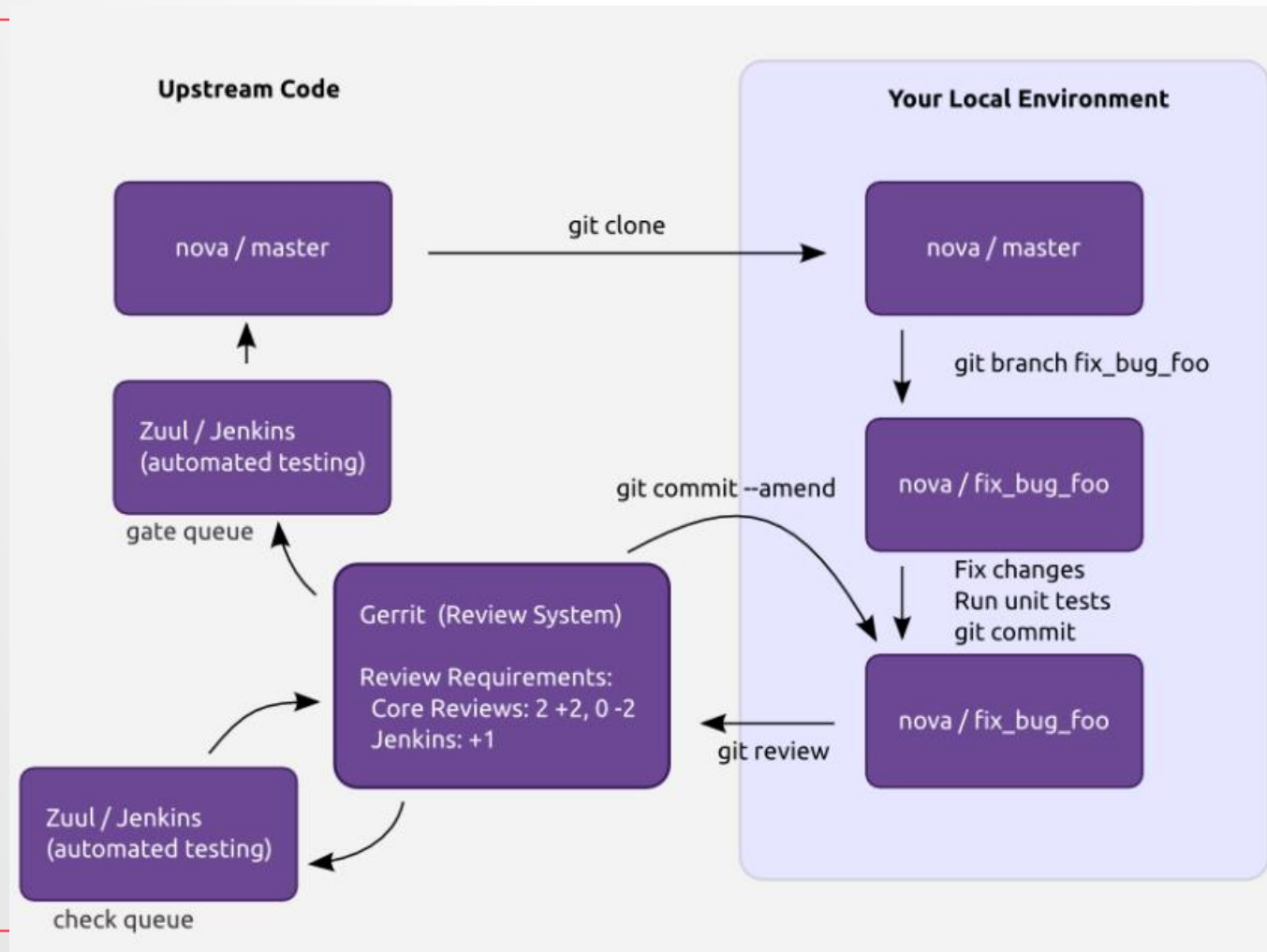
Github 기반 워크플로우

Git & Github Workflow

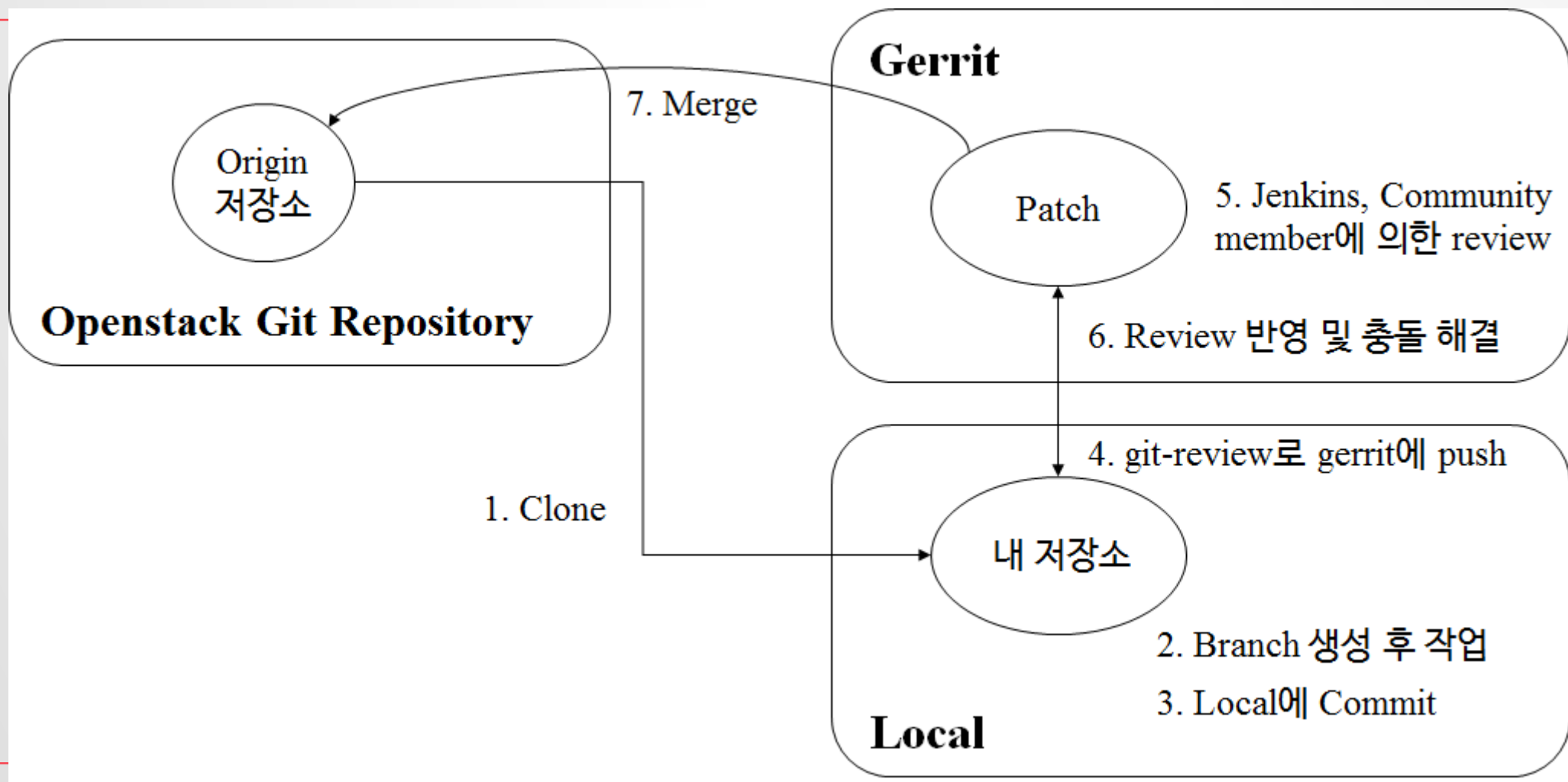
blog.jr0cket.co.uk



OpenStack에서의 워크플로우



OpenStack에서의 워크플로우



Part III

Sandbox를 활용한 워크플로우
살펴보기

Sandbox 저장소 공간

- OpenStack Sandbox 저장소
 - <https://review.openstack.org/#/admin/projects/openstack-dev/sandbox>
 - Git 커밋, 패치, 리뷰 등 연습 공간

Project openstack-dev/sandbox

clone Anonymous HTTP SSH HTTP
git clone ssh://ianychoi@review.openstack.org:29418/openstack-dev/sandbox

Description

Project Options

Submit Type: Merge if Necessary

State: Active

Automatically resolve conflicts: TRUE

Require Change-Id in commit message: TRUE

Maximum Git object size limit:

Contributor Agreements

Require a valid contributor agreement to upload: TRUE

Require Signed-off-by in commit message: INHERIT (false)

openstack CLOUD SOFTWARE

All My **Projects** People Documentation
List General Branches Access Dashboards

Change-Id: 109580cd74c821b203e05a75e69176ec07da260b3

Owner: Tim Freund
Project: openstack-dev/sandbox
Branch: master
Topic:
Uploaded: Oct 25, 2015 2:59 PM
Updated: Oct 25, 2015 7:58 PM
Status: Abandoned

Commit Message Permalink
Update strong to stronger
Changing strong to stronger to match common usage.
Change-Id: 109580cd74c821b203e05a75e69176ec07da260b3

Reviewer	Code-Review	Verified
Tim Freund	-1	
Pure Storage CI		
EMC Isilon CI		
KATO Tomoyuki	+1	
Loic Dachary	+1	
Jenkins		+1
MD NADEEM	✓	
Takanori Nakanowatari	+1	
Ian Y. Choi	+1	
Fnst OpenStackTest CI		+1

Need Verified

Name or Email or Group Add Reviewer

Dependencies

Reference Version: Base

Patch Set 1 9f810bd67ab7fa71522f31607a0987465de971 (gitweb)


Author: Tim Freund <tim@freunds.net> Oct 25, 2015 2:55 PM
Committer: Tim Freund <tim@freunds.net> Oct 25, 2015 2:58 PM
Parent(s): 1b184809a48852c052c11fa057d90315a1770a9908 Switch libvirt get_cpu_info method over to use config APIs
Download: checkout pull cherry-pick patch Anonymous HTTP SSH HTTP
git fetch ssh://ianychoi@review.openstack.org:29418/openstack-dev/sandbox refs/changes/11/239211/1 && git checkout FETCH_HEAD

Review Cherry Pick To Restore Change


File Path	Comments	Size	Diff	Reviewed
Commit Message			Side-by-Side	Unified
M test.py	2 comments, 1 draft	+1, -1	Side-by-Side	Unified
		+1, -1	All Side-by-Side	All Unified

OpenStack: Sandbox 저장소

- OpenStack은 학습 및 테스트 목적을 위해 sandbox 저장소를 보유하고 있습니다
- OpenStack 학습을 시작하기 위한 훌륭한 저장소입니다
 - <https://git.openstack.org/cgit/openstack-dev/sandbox>




index : openstack-dev/sandbox

master  switch

Sandbox for first time contributors

summary refs log tree commit diff

log msg  search

Branch	Commit message	Author	Age
feature/foo	Add a Nietzsche quote to lines printed	Emma Barber	19 months
master	Upstream training-sandbox exercise	SeongSoo Cho	3 hours
merge-test	And another.	Monty Taylor	2 years
stable/xyzzy	Committing changes before correcting the typo	Arun Das	3 weeks

Sandbox Launchpad

- openstack-dev/sandbox 저장소와 관련이 있는 보고된 버그 및 이슈를 추적 및 관리
 - <https://launchpad.net/openstack-dev-sandbox>



openstack-dev-sandbox

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Overview [Code](#) [Bugs](#) [Blueprints](#) [Translations](#) [Answers](#)

Registered 2016-09-24 by  [Ian Y. Choi](#)

This project is used to manage and track the reported bugs and issues related with openstack-dev/sandbox repository (<http://git.openstack.org/cgit/openstack-dev/sandbox>), which is Sandbox for first time contributors.

- OpenStack Upstream Training material: <http://docs.openstack.org/upstream-training/>
- Learn the Gerrit Workflow in the Sandbox: <http://docs.openstack.org/infra/manual/sandbox.html>

Get Involved

- [Report a bug](#) ➔
- [Register a blueprint](#) ➔
-  [Ask a question](#) ➔
-  [Help translate](#) ➔

 [Home page](#)

Gerrit을 활용한 워크플로우 확인

- Gerrit
 - GitHub에서의 pull request와 비슷
 - 여러 사람에 의한 code review 가능

The screenshot shows a web browser displaying a Gerrit code review page for the openstack/openstack-manuals project. The URL is <https://review.openstack.org/#/c/239314>. The page header includes the OpenStack logo and navigation tabs: All, My (selected), Projects, People, and Documentation. A search bar is present on the right.

Change Information:

- Change-Id: I39595aeebb1a50f4405d06054e8c18a45a8a73c5
- Owner: Ian Y. Choi
- Project: openstack/openstack-manuals
- Branch: stable/kilo
- Topic: kilo-bug/1492253
- Uploaded: Oct 26, 2015 11:41 AM
- Updated: Oct 26, 2015 11:41 AM
- Submit Type: Merge if Necessary
- Status: Review in Progress

Commit Message:

Fixed wrong LVM glossary reference

In Kilo, 'Logical Volume Manager (LVM)' is registered in openstack-manual glossary. However, one part of Kilo install-guide referenced 'LVM', not 'Logical Volume Manager (LVM)'. So I fixed it from stable/kilo branch.

Change-Id: I39595aeebb1a50f4405d06054e8c18a45a8a73c5
Closes-Bug: #1492253

Reviewers:

- Need Verified
- Need Code-Review
- Need Workflow

Name or Email or Group

Dependencies:

Reference Version: Base

Patch Set 1: ecef4e305aae94715649ef633e551b78b8a26e55 (gitweb)

Author: Ian Y. Choi <ianyrchoi@gmail.com> Oct 26, 2015 11:06 AM

Committer: Ian Y. Choi <ianyrchoi@gmail.com> Oct 26, 2015 11:39 AM

Parent(s): 2f9db8dd9b7e361ba21a00741b3c8ea4ec49031c Change default configure "Thick" to "Thin" about LUNType

Download: [checkout](#) | [pull](#) | [cherry-pick](#) | [patch](#) | [Anonymous HTTP](#) | [SSH](#) | [HTTP](#)

git fetch: `ssh://ianychoi@review.openstack.org:29418/openstack/openstack-manuals refs/changes/14/239314/1 && git checkout FETCH_HEAD`

File Path	Comments	Size	Diff	Reviewed
Commit Message			Side-by-Side	Unified
M doc/install-guide/section_cinder-storage-node.xml		+1, -1	Side-by-Side	Unified
		+1, -1	All Side-by-Side	All Unified

Gerrit 리뷰 과정 in OpenStack

- 점수 부여
 - -2: 받아들일 수 없는 수정
 - -1: 수정 필요한 사항
 - 0: 중립 또는 자세한 comment 작성시
 - +1: 리뷰 결과 괜찮음
 - +2: 해당 프로젝트의 핵심 개발자가 괜찮음을 표현
- 일반적인 코드 병합
 - 2명의 핵심 개발자가 각각 +2를 주었을 때 병합됨
 - Workflow를 +1로 주었을 때 최종 코드 병합 이루어짐

```
Code-Review +2 Elizabeth K. Joseph yolanda.robla
Verified +2 Jenkins
Workflow +1 Elizabeth K. Joseph
```

yolanda.robla
Patch Set 18: Code-Review-1
(9 comments)
manifests/init.pp
Mar 29 5:45 PM ↗

Line 25: this seems to be a boolean, can you clarify it on this description?
Line 63: same comment about boolean values
Line 115: as user requires group, actually only require user is needed here
Line 146: i'd prefer to compare with boolean true rather than 1. Also the code is repeating here, can you just define a var for content, depending on minimal, and reuse the same code block for two options, changing that var?
Line 174: just checking the local.conf will be enough, as this file requires on vcsrepo
Line 214: i'd prefer to compare with boolean value
Line 223: we don't use this syntax in infra, but rely on require/subscribe pattern
Line 234: same about booleans
Line 241: this needs to require stack_user, and devstack_dir vcsrepo

Akihiro Motoki
Patch Set 18: Code-Review+1
(2 comments)
Minor suggestion inline, but generally looks good and I think we can clean them up later.
manifests/init.pp
Mar 29 6:03 PM ↗

Line 25: I prefer to 'is_minimal'. We can know this is boolean from the variable name.
Line 63: is_shutdown as a variable name?

Frank Kloeker
Uploaded patch set 19.
Apr 5 2:13 PM

Frank Kloeker
Uploaded patch set 20.
Apr 5 4:25 PM

코드 병합 (Merged) in OpenStack

- 업로드한 코드는 patch set 단위로 관리됨
- 모든 업로드 코드는 Jenkins에 의해 업로드한 코드에 대해 자동 점검 수행
- 일반적으로 해당 프로젝트 내 +2를 2번 이상 받았을 때 Workflow +1를 주면 해당 코드에 대한 병합이 이루어짐

Status Merged			
Reviewer	Code-Review	Verified	Workflow
Ian Y. Choi			
Alexandra Settle			
KATO Tomoyuki	✓		
Jenkins		✓	
venkatamahesh	+1		
Andreas Jaeger	✓		✓
<input type="text" value="Name or Email or Group"/>			<input type="button" value="Add Reviewer"/>
Jenkins check		Oct 26, 2015 12:16 PM	
gate-openstack-manuals-tox-checkniceness		SUCCESS in 2m 17s	
gate-openstack-manuals-tox-checksyntax		SUCCESS in 2m 01s	
gate-openstack-manuals-tox-checkdeletions		SUCCESS in 2m 08s	
gate-openstack-manuals-tox-doc-publish-checkbuild		SUCCESS in 14m 08s	
Jenkins gate		Oct 26, 2015 6:43 PM	
gate-openstack-manuals-tox-checkniceness		SUCCESS in 2m 15s	
gate-openstack-manuals-tox-checksyntax		SUCCESS in 2m 15s	
gate-openstack-manuals-tox-checkdeletions		SUCCESS in 2m 41s	

Alexandra Settle	Oct 26 12:06 PM
Patch Set 2: Code-Review+2	
Thank you, this change looks good to me :)	
Alexandra Settle	Oct 26 12:06 PM
Patch Set 2: -Code-Review	
KATO Tomoyuki	Oct 26 5:48 PM
Patch Set 2: Code-Review+2	
Thanks!	
venkatamahesh	Oct 26 5:54 PM
Patch Set 2: Code-Review+1	
Andreas Jaeger	Oct 26 6:24 PM
Patch Set 2: Code-Review+2 Workflow+1	
Jenkins	Oct 26 6:43 PM
Change has been successfully merged into the git repository.	

Sandbox 저장소를 활용한 데모

- 참고: http://docs.openstack.org/ko_KR/upstream-training/workflow-using-sandbox.html

Part IV

결론

OpenStack with Open Ecosystem

- OpenStack과 업스트림 컨트리뷰션
 - 변화하는 IT (예: Docker 등 컨테이너) 및 문제 해결을 좋아하는 컨트리뷰터들이 주축이 되어 활동
 - 기술 위원회의 모든 투표 과정을 공개할 만큼 Openness를 실천하고 있음
 - 소스 코드 개발뿐만 아니라, 문서화, 번역 등도 컨트리뷰션에 간주함
- ONOS에서의 업스트림 컨트리뷰션
 - Jira를 기반으로 프로젝트 버전 및 관련된 기능 개발, 이슈를 통합적으로 관리
 - 업스트림 컨트리뷰션을 위해서는 해당 분야 지식 뿐만 아니라 Git, Jira, Gerrit 등 오픈 소스 기반 도구에 익숙해질 필요가 있음

참고: OpenStack 번역 업스트림 컨트리뷰션

- 오픈 소스 번역 플랫폼인 Zanata를 사용하여 번역에 컨트리뷰션

The screenshot shows the Zanata web interface for a translation project. The top navigation bar includes links for Projects, Groups, Languages, Glossary, and Help. The main content area displays a list of translation units for the project 'openstack-manuals' under the group 'stable-liberty'. The units are listed with their source text, target text, and progress status. The target text is in Korean. The interface also includes a search bar, a filter dropdown, and a diff view at the bottom.

Source	Target	#	Similarity	Origin
Common errors and fixes for Compute	Compute에 대한 일상적인 오류 및 수정	1	100%	?
Common errors and fixes for ComputeAppropriate Fixes	적절한 수정	1	25%	?

Translation Memory: Fuzzy Search Clear TM merge Show as Diff Highlight matches

Glossary: Common errors and fixes Fuzzy Search Clear

Source Term	Target Term	Details
Compute	Compute	Copy ?
Compute.Services	Compute 서비스	Copy ?

Finished!

THANK
YOU!