



오픈스택 생태계에서의 오픈이들의 전원일기

목차

오픈소스 컨트리뷰션 소개 | 임윤수

오픈스택 한국 커뮤니티가 지난 2년동안 해온 과정 |

임윤수

이번 우리의 성과 | 장태준

오픈스택에 기여하는 방법 | 허지현

참가 후기 | 이선재

개구리가 총 몇 마리 나오는 지 맞춰주세요

나를
찾아봐
굴개~



맞추시는 1분에게

특별 제작한 선물을 드립니다

이 페이지부터!

오픈소스 컨트리뷰션 소개

오픈소스 컨트리뷰션 아카데미

Open Source Contribution Academy

언어, 개발문화, 시작의 두려움으로 인해
높게만 느껴지던 오픈소스에 대한 진입장벽을 허물고
선배 개발자와 함께 서로의 '컨트리뷰톤'을 응원하며
참여·오픈·공유·협업하는 오픈소스 문화를
직접 경험할 수 있는 프로그램

기여(Contribution) + 마라톤(Marathon) = 컨트리뷰톤!

이런 분들이 참여해 주십니다!

- ➡ 오픈소스에 직접 기여해 보고 싶으신 분!
- ➡ 관심있던 오픈소스에 선뜻 도전하기 어려워 하셨던 분!
- ➡ 다양한 오픈소스에 직접 기여하며 본인의 SW커리어를 한단계 업그레이드 하고 싶으신 분!

컨트리뷰션 아카데미를 참여하면 좋은점



컨트리뷰션 멘토

내가 컨트리뷰션 하고자 하는 프로젝트에 기여할 수 있도록 도와주는 멘토!

현업에서 활동하며 활발한 오픈소스 컨트리뷰션 활동을 병행하는 멋진 멘토님들과 만나 함께 기여할 수 있습니다.

컨트리뷰션 아카데미를 참여하면 좋은점



팀원들 간의 네트워크

나와 공통된 관심사를 가진 다양한 직군의 개발자와
만나 소통하고 코딩하고!

나와 같은 팀 뿐만아닌 컨트리뷰션 아카데미 참가
멘토·멘티를 만나 소통하고 나만의 새로운 네트워크를
쌓을 수 있습니다.

컨트리뷰션 아카데미를 참여하면 좋은점



Openstack 한국 커뮤니티의 지난 2년동안 해온 과정

컨트리뷰션 활동

2016

2017

**2018 Openstack 프로젝트
참석**

→ 경험이 없어 무엇을 해야 할지 고민이 많았음

2019

**2020 Openstack 프로젝트
참석**

→ 오픈스택을 처음하는 사람들도 기여를 할 수 있는걸 하자!

**2021 Openstack 프로젝트
참석**

**2022 Openstack 프로젝트
참석**

2021년 컨트리뷰션

처음 오픈스택을 하시는분들도 쉽게 접근할 수 있고,
다른 프로젝트들보다는 난이도가 낮다는 점에서 선택하였습니다.



- python-openstackclient
- osc-lib
- openstacksdk

storyboard에 올라오는 이슈

openstack/python-openstackclient

Client for OpenStack services

Active Merged Invalid

- ▶ 2010385 auto/none network validation failures
- ▶ 2010384 Improve `openstack server dump create` helptext
- ▶ 2010376 'server create' insists on '--image' or '--volume' parameter despite having a bootable volume attached
- ▶ 2010344 Exception when providing duplicate properties
- ▶ 2010243 Setting image name does not work in jammy
- ▶ 2010110 functional tests are often failing with network quota errors
- ▶ 2010070 command mapping error for "cinder retype"
- ▶ 2009967 Unhelpful error message when neutron server is unavailable
- ▶ 2009905 Unpredictable behavior when adding floating ip to server attached to multiple networks
- ▶ 2009827 openstack keypair delete does not send user id

→ 우리가 해결 할 수 있는 이슈를 찾아 해결

버그 및 이슈 해결

opendev CHANGES DOCUMENTATION BROWSE

Active [806464](#) Fix typo error in listing server's column name

Updated Sep 02
Owner LEE JAE YONG
Assignee
Reviewers stephenfin Zuul
Seongsoo Cho

CC
Repo | Branch [openstack/python-openstackclient](#) | master
Parent [d9c556e](#)
Topic No topic
Strategy Merge if Necessary
Hashtags

Verified +1 Zuul
Code-Review +1 Seongsoo Cho
+2 stephenfin
Workflow No votes.

Links [gitweb](#)

Files Zuul Summary Findings

Base Patchset 1 [4aad7dd](#) NO PATCHSET DESCRIPTION

File
Commit message

M [openstackclient/compute/v2/server.py](#)

opendev CHANGES DOCUMENTATION BROWSE

Active [807420](#) Add more filter option of columns for server list -c COLUMN

Updated Sep 04
Owner JIHOJU
Assignee
Reviewers Zuul

CC
Repo | Branch [openstack/python-openstackclient](#) | master
Parent [12c93c6](#)
Topic No topic
Strategy Merge if Necessary
Hashtags

Verified +1 Zuul
Code-Review No votes.
Workflow No votes.

Links [gitweb](#)

Files Zuul Summary Findings

Base Patchset 1 [936e8c5](#) NO PATCHSET DESCRIPTION

File
Commit message

M [openstackclient/compute/v2/server.py](#)

사용하면서 발견한 Bug

storyboard에 올라온 이슈
해결

하지만,,,,

openstack/python-openstackclient

Client for OpenStack services

Active Merged Invalid

▶ 2010385	auto/none network validation failures
▶ 2010384	Improve `openstack server dump create` helptext
▶ 2010376	'server create' insists on '--image' or '--volume' parameter despite having a bootable volume attached
▶ 2010344	Exception when providing duplicate properties
▶ 2010243	Setting image name does not work in jammy
▶ 2010110	functional tests are often failing with network quota errors
▶ 2010070	command mapping error for "cinder retype"
▶ 2009967	Unhelpful error message when neutron server is unavailable
▶ 2009905	Unpredictable behavior when adding floating ip to server attached to multiple networks
▶ 2009827	openstack keypair delete does not send user id ———→ 2022-02-03....

1. 올라오는 이슈가 많지는 않음

2. 올라온 이슈 중 해결 가능한 이슈는 많지 않음

3. 팀원들과의 네트워크 보안 해결이 우선

2022년 컨트리뷰션

- nova-client
- neutron-client
- glance-client
- cinder-client
- 등등

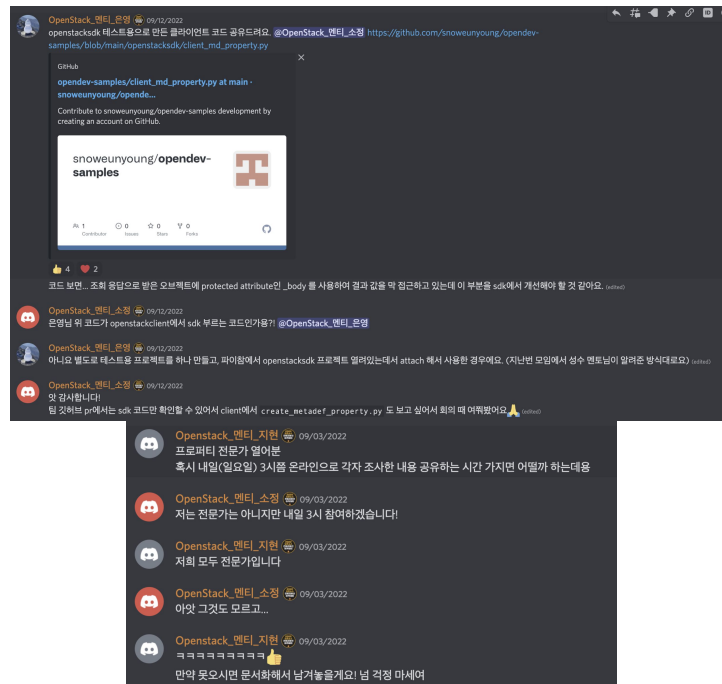


아직 구현이 안된 명령어들을 sdk에 구현 해보자!

우리의 성과



- 정기모임
매주 월요일 오후 8시-10시
- 스프린트
매주 토요일 오전 10시 - 18시

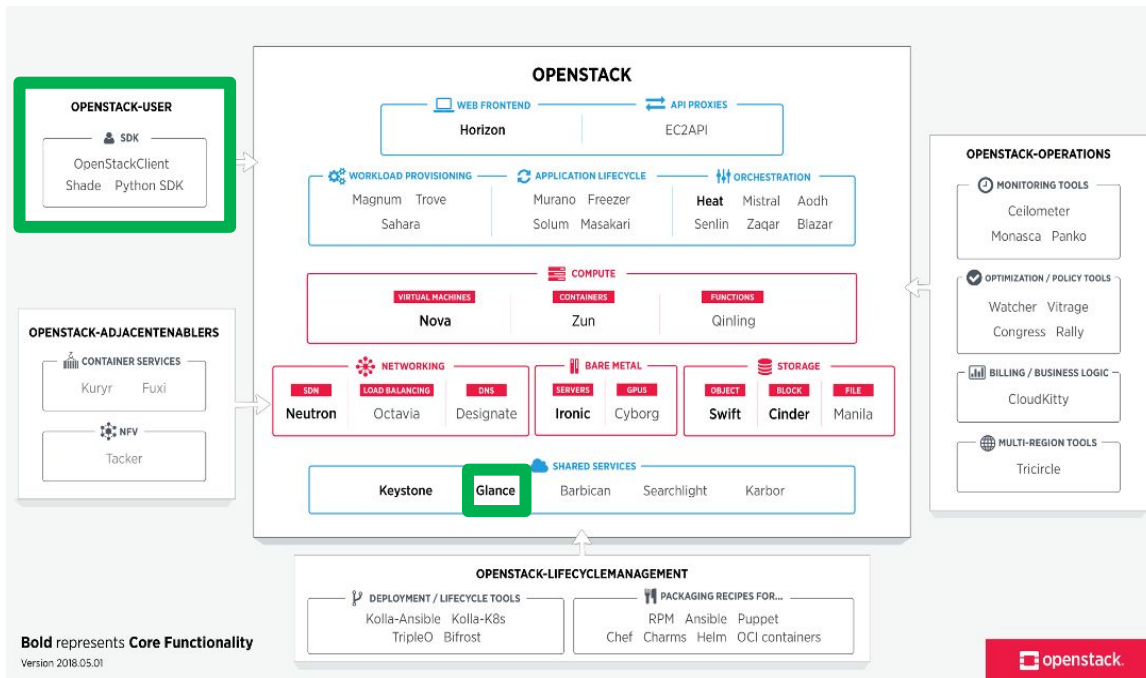


Discord를 통한
의견 공유 및 비정기 모임

1. openstackclient/common/configuration.py에서 take_action부여 parsed_args.mask가 있으면 password와 token을 reduced 처리해줬다

https://openstack.dooray.com/share/pages/56_ZQ8ePSW2MN8xeWaCkKw

컨트리뷰션 진행 과정



가장 **많이** 사용하는 컴포넌트
+
입문자가 가장 **먼저** 사용하는 컴포넌트
=
OpenstackClient

컨트리뷰션 진행 과정

Mapping Guide

The following is an incomplete mapping between legacy OpenStack CLIs and OpenStackClient. Think of it as a magic decoder ring if you were using the legacy CLIs and want to transition to OpenStack CLI. Command options are only shown when necessary.

glance CLI

Glance CLI	OSC Equivalent	Description
md-namespace-create		Create a new metadata definitions namespace.
md-namespace-delete		Delete specified metadata definitions namespace with its contents.
md-namespace-import		Import a metadata definitions namespace from file or standard input.
md-namespace-list		List metadata definitions namespaces.
md-namespace-objects-delete		Delete all metadata definitions objects inside a specific namespace.
md-namespace-properties-delete		Delete all metadata definitions property inside a specific namespace.
md-namespace-resource-type-list		List resource types associated to specific namespace.
md-namespace-show		Describe a specific metadata definitions namespace.
md-namespace-tags-delete		Delete all metadata definitions tags inside a specific namespace.

아직 매핑 되지 않은
명령어들

glance cli 파악하기
수정
삭제
공유

<
개요
image-stage
md-namespace-create
md-namespace-delete
md-namespace-import
md-namespace-list
md-namespace-show
md-namespace-update
md-namespace-objects-delete
md-namespace-properties-delete
md-namespace-resource-type-list
md-namespace-tags-delete
md-object-create
md-object-delete(namespace의 ...)
md-object-list
md-object-property-show
md-object-show
md-object-update
md-property-create
md-property-delete
md-property-list
md-property-show
md-property-update

md-namespace-import

예시) \$ cat ns.json

```
{
  "namespace": "FredCo:SomeCategory:Example",
  "display_name": "An Example Namespace",
  "description": "A metadata definitions namespace for example use.",
  "visibility": "public",
  "protected": true
}
```

\$ glance md-namespace-import --file ns.json

Property	Value
created_at	2022-06-23T01:46:12Z
description	A metadata definitions namespace for example use.
display_name	An Example Namespace
namespace	FredCo:SomeCategory:Example
owner	5d752dc40dc1482fb23a4b7485217ee1
protected	True
schema	/v2/schemas/metadefns/namespace
updated_at	2022-06-23T01:46:12Z
visibility	public

설명) file형태의 namespace를 import하여 생성한다.

md-namespace-list

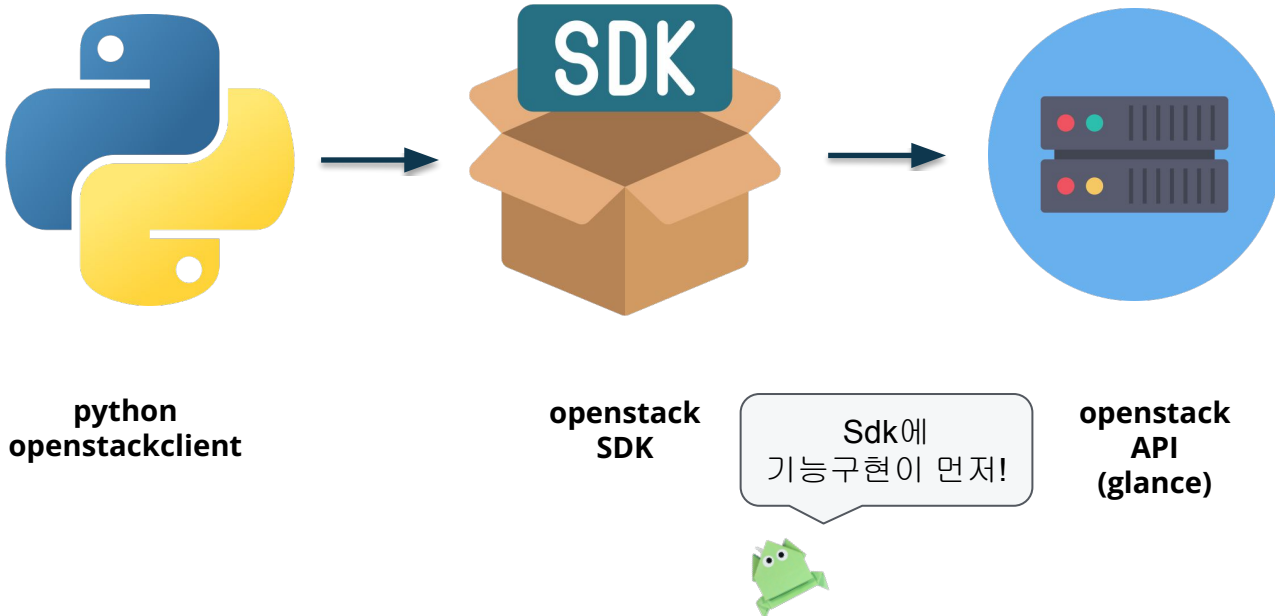
예시)

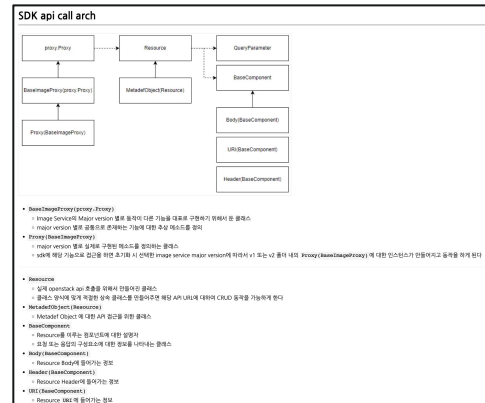
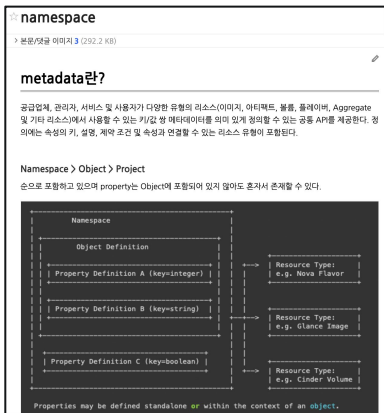
```
$ glance md-namespace-list
```

namespace

찾은 명령어 문서화

컨트리뷰션 진행 과정





https://openstack.dooray.com/share/pages/56_ZQ8ePSW2MN8xeWaCkKw

Work in Progress

857272

Add support for other metadef property operations

Change Info

SHOW ALL

Owner

jihyun huh

Uploader

Reviewers

Seongsoo Cho Zuul

Repo | Branch

openstack/openstacksdk | master

Topic

Submit requirements

Work-in-progress

Code-Review

Verified

Workflow

No votes

+1 Zuul

No votes

Links

gitea

Add support for other metadef property operations

The Image Metadata Property is not support in SDK currently.

In this patch, I added an operations of image metadata properties.

- Remove ignore files (.idea/)

- Remove failed test

- Resolve PEP8

Co-authored-by: KIM SOJUNG <thwjd2717@gmail.com>

Co-authored-by: GA EUM KIM <rkdm7220@naver.com>

Co-authored-by: hyemin Choi <dropmoon@gmail.com>

Change-Id: I8e2ae8545cfaf32ced6d086a0921732f16282216

Comments

1 resolved

Files	Comments	Zuul Summary	Findings
Base → Patchset 6	edf8155		DOWNLOAD EXPAND ALL
File	Comments	Size	Delta
Commit message			
doc/source/user/proxies/image_v2.rst		17	-0
doc/source/user/resources/image/index.rst		1	-0
doc/source/user/resources/image/v2/metadef_property.rst	Added	22	-0
openstack/image/v2/_proxy.py		91	-0
openstack/image/v2/metadef_property.py	Added	84	-0
		215	-0

openstacksdk에 **property** 명령어 구현
허지현, 김소정, 김가은, 최혜민님

Work in Progress

858350

Add image metadef object operations

Change Info

SHOW ALL

Owner

Taehyun Park

Uploader

HaelYoon

Reviewers

Zuul

CC

stephenfin Seongsoo Cho

Repo | Branch

openstack/openstacksdk | master

Topic

develop-patch4

Submit requirements

Work-in-progress

Code-Review

Verified

Workflow

No votes

-1 Zuul

No votes

Links

gitea

Add image metadef object operations

The Image Metadata Object operations are not support currently.

In this patch, I added an operations of image metadata object.

Note. Functional test didn't proceed. Because the creating of object can be created inside of the namespace. But the creating function of the namespace in metadata is not implemented yet.

Co-authored-by: Hael Yoon <dbagod1@naver.com>

Co-authored-by: JaeSeong Shin <cornf1316@gmail.com>

Co-authored-by: LEE SUN JAE <tjmw98aj86@gmail.com>

Change-Id: Ie76804204878d5302bed4d4fa93b988ec3f6f46a

Comments

5 unresolved 1 resolved

Relation chain

update-unittest-of-creating-metadef-object (Abandoned)

Add image metadef object operations (Abandoned)

→ Add image metadef object operations

Files	Comments	Zuul Summary	Findings
Base → Patchset 15	a7b346f		DOWNLOAD EXPAND ALL
File	Comments	Size	Delta
Commit message			
doc/source/user/proxies/image_v2.rst	1 comment (1 unresolved)	8	-0
doc/source/user/resources/image/index.rst		1	-0
doc/source/user/resources/image/v2/metadef_object.rst	Added	13	-0
openstack/image/v2/_proxy.py	1 comment (1 unresolved)	19	-0
openstack/image/v2/metadef_object.py	Added	43	-0
openstack/tests/unit/image/v2/test_metadef_object.py	Added	78	-0
openstack/tests/unit/image/v2/test_proxy.py	2 comments (1 unresolved)	11	-0
		173	-0

openstacksdk에 **object** 명령어 구현
박태현, 윤해이, 신재성, 이선재님

Merged ☆ 857200 image: Add metadef schema resource to v2 api

Change Info

Submitted Yesterday at 12:17 AM

Owner

Reviewers stephenfin Seongsoo Cho

CC Areg Grigoryan

Repo | Branch openstack/openstacksdk | master

Topic metadef_schema

Submit requirements

- ✓ Code-Review +2 stephenfin
- ✓ Verified +2 Zuul
- ✓ Workflow +1 stephenfin

Links [gitea](#)

image: Add metadef schema resource to v2 api

- * Add resource for (Glance) Metadata Definition Schema API (<https://docs.openstack.org/api-ref/image/v2/metadefs-index.html?expanded=metadata-definition-schemas>)
- * Adjust names to avoid abbreviations
- * Adjust grouping
- * Add tests
- * Add docs and release note
- * Trim underlines in docs
- * Resolve merge conflict
- * Separate functional test to another file
- * Rename test class name correctly

Change-Id: If2dfbca5ffbd425e4183b310af9534411318a395

Comments 23 resolved

Files	Comments	Zuul Summary	Findings
Base → Patchset 18 4b8a9ce			DOWNLOAD EXPAND ALL
File	Comments	Size	Delta
Commit message			
doc/source/user/proxies/image_v2.rst			+7 -2
doc/source/user/resources/image/index.rst			+1 -0
doc/source/user/resources/image/v2/metadef_schema.rst		■	+13 -0
Added			
openstack/image/v2/_proxy.py		■	+101 -0
openstack/image/v2/metadef_schema.py	Added	■	+29 -0
openstack/tests/functional/image/v2/test_metadef_schema.py		■	+67 -0
Added			
openstack/tests/unit/image/v2/test_metadef_schema.py		■	+141 -0
Added			
openstack/tests/unit/image/v2/test_proxy.py		■	+93 -0
releasenotes/notes/add-image-metadef-schema-b463825481bdf954.yaml	Added		+3 -0
			+455 -2

openstacksdk에
Metadata Schema 조회 기능 추가
property팀 팀원분

구현되지 않은 **command**를
찾던 중 발견하여
가장 활발한 토론을 진행하였다.

stephenfin **Code-Review -1** Patchset 4 | Sep 13 11:27 PM ^

Patchset

stephenfin Patchset 4 Sep 13 ^

This is much better. Thank you! I have two further requests inside. If you wouldn't mind addressing them, I'm +2

Resolved [REPLY](#) [QUOTE](#)

[openstack/image/v2/_proxy.py](#)

#864

stephenfin Patchset 4 Sep 13 ^

super nit: Even though these use a different object, they're very similar to the other schemas? Can we group them underneath the 'SCHEMAS' section instead?

Thank you! Feel free to request anything to be better.

Resolved [REPLY](#) [QUOTE](#)

[openstack/tests/unit/image/v2/test_metadef_schema.py](#)

FILE

stephenfin Patchset 4 Sep 13 ^

This is great. However, would it be possible to get a functional test to complement the unit tests here? Should be very simple since nothing needs to be created or destroyed.

Patchset 4 Sep 14 ^

Yes, I did in patch 5.

Resolved [REPLY](#) [QUOTE](#)

stephenfin **Code-Review +2** Patchset 13 | Sep 17 12:38 AM ^

Patchset

stephenfin Patchset 13 Sep 17 ^

Thank you 🙏

Resolved [REPLY](#) [QUOTE](#)

[doc/source/user/resources/image/index.rst](#)

#20

stephenfin Patchset 13 Sep 17 ^

Somewhat unrelated aside: are we missing docs for the 'schema' module? This would be a good follow-up if so.

Yes, although I do not add this in this change, it should be added.

Done

Resolved [REPLY](#) [QUOTE](#)

[doc/source/user/resources/image/v2/metadef_schema.rst](#)

#7

stephenfin Patchset 13 Sep 17 ^

This is too long

I trimmed unnecessary underline. Thanks.

Done

Resolved [REPLY](#) [QUOTE](#)

stephenfin 4 comments Better again. Unfortunately I missed some ... PS 9 | Sept 15 02:32 ^

stephenfin **Code-Review -1** PS 9 | Sept 15 02:33 ^

Zuul **Verified -1** Build failed (check pipeline). For information on ... PS 9 | Sept 15 03:14 ^

Uploaded patch set 10. [VIEW DIFF](#) PS 10 | Sept 15 03:34 ^

3 comments PS 10 | Sept 15 03:48 ^

Zuul **Verified -1** Build failed (check pipeline). For information o... PS 10 | Sept 15 05:12 ^

1 comment Yes, I think this change (857200) may be c... PS 10 | Sept 16 12:45 ^

Uploaded patch set 11. [VIEW DIFF](#) PS 11 | Sept 16 12:51 ^

Zuul **Verified -1** Build failed (check pipeline). For information o... PS 11 | Sept 16 14:20 ^

stephenfin **Code-Review +2** PS 12 | Sept 16 19:02 ^

Zuul **Verified -1** Build failed (check pipeline). For information o... PS 12 | Sept 16 20:35 ^

stephenfin Uploaded patch set 13: Patch Set 12 was reb... [VIEW DIFF](#) PS 13 | Sept 16 23:41 ^

stephenfin 1 comment Fixed this in [1]. It wasn't your issues. Seem... PS 13 | Sept 17 00:36 ^

stephenfin **Code-Review +2** 3 comments Thank you 🙏 PS 13 | Sept 17 00:38 ^

Uploaded patch set 14. [VIEW DIFF](#) PS 14 | Sept 17 00:55 ^

2 comments PS 14 | Sept 17 01:01 ^

2 comments PS 14 | Sept 17 01:02 ^

stephenfin **Code-Review +2** PS 14 | Sept 17 01:03 ^

Zuul **Verified +1** Build succeeded (check pipeline). [https://zuul... PS 14 | Sept 17 02:31 ^](#)

Seongsoo Cho Added to reviewer: Artem Goncharov PS 14 | Sept 21 00:37 ^

Uploaded patch set 15. [VIEW DIFF](#) PS 15 | Sept 28 19:44 ^

Zuul **Verified +1** Build succeeded (check pipeline). [https://zuul... PS 15 | Sept 28 21:00 ^](#)

Commit message was updated. [VIEW DIFF](#) PS 16 | Sept 28 21:23 ^

Zuul **Verified +1** Build succeeded (check pipeline). [https://zuul... PS 16 | Sept 28 23:02 ^](#)

stephenfin **Code-Review -1** 3 comments We need to move those L... PS 16 | Sept 30 19:01 ^

Uploaded patch set 17. [VIEW DIFF](#) PS 17 | Oct 01 12:22 ^

2 comments PS 17 | Oct 01 12:24 ^

Zuul **Verified +1** Build succeeded (check pipeline). [https://zuul... PS 17 | Oct 01 13:39 ^](#)

stephenfin **Code-Review +2** 1 comment PS 17 | Oct 03 20:00 ^

Uploaded patch set 18. [VIEW DIFF](#) PS 18 | Oct 03 21:37 ^

1 comment PS 18 | Oct 03 21:38 ^

stephenfin **Code-Review +2 Workflow +1** PS 18 | Oct 03 22:13 ^

Zuul **Verified +1** Build succeeded (check pipeline). [https://zuul... PS 18 | Oct 03 22:55 ^](#)

Zuul **Verified 0 (vote reset)** Starting gate jobs. PS 18 | Oct 03 22:55 ^

Zuul **Verified +2** Build succeeded (gate pipeline). [https://zuul.op... PS 18 | Oct 04 00:17 ^](#)

Zuul Change has been successfully merged PS 18 | Oct 04 00:17 ^

Zuul Build succeeded (promote pipeline). [https://zuul.opendev.or... PS 18 | Oct 04 00:19 ^](#)

총 18번의 패치셋, 455개 라인 추가
20일간의 지속적인 토론이 이어졌다.

Merged ☆ 857728 Adding missing command mapping in docs [REVERT](#)

Change Info [SHOW ALL](#) [REPLY](#)

Submitted Sep 21

Owner KIM SOJUNG

Reviewers Dr. Jens Harb... stephenfin
Seongsoo Cho Zuul

CC Eunyoung Kim

Repo | Branch openstack/python-openstackclient | master

Topic

Submit requirements

- ✓ Code-Review +1 Seongsoo Cho +2 Dr. Jens Harb... +2 stephenfin
- ✓ Verified +2 Zuul +2 stephenfin
- ✓ Workflow +1 stephenfin

Links [gitea](#)

Adding missing command mapping in docs

```
nova command: version-list
openstack command: versions show --service compute

cinder command: version-list
openstack command: versions show --service block-storage

glance command: member-list
openstack command: image member list
```

Change-Id: [I3c68dbd47dc92ed190ae9abaa90dfcddef072728](#)

Comments 4 resolved

Relation chain

delete hypervisor-upptime command (Abandoned)
→ [Adding missing command mapping in docs](#) (Merged)

Files	Comments	Zuul Summary	Findings
Base → Patchset 2 a9b9252 DOWNLOAD EXPAND ALL			
File	Comments	Size	Delta
Commit message			
doc/source/cli/data/cinder.csv		+1 -1	
doc/source/cli/data/glance.csv		+1 -1	
doc/source/cli/data/nova.csv		+1 -1	
		+3 -3	

명령어 매핑 전체 검수 후
3개의 커맨드 매핑 추가
김소정님

자랑스러워!



S seongsoocho Seongsoo Cho
Hi team. I really want to go PTG but.. the flight ticket really expensive from asia :-(
and In Korea user group's mentoring program, we will implement glance commands about metadata things such as "md-namespace-show". As I know, Those command is still not implemented in openstackclient and mapping guide, is it correct?

D diablo_rojo_phone
seongsoocho there will be travel support that you could apply for.
From what "I" can tell, you are correct, that's not implemented yet.

S stephenfin Stephen Finucane
seongsoocho We discussed implementing those metadata items in a meeting with arne_wiebalck_and diablo_rojo_phone last week. They do need to be implemented, yes. Please ask me if you need reviews!

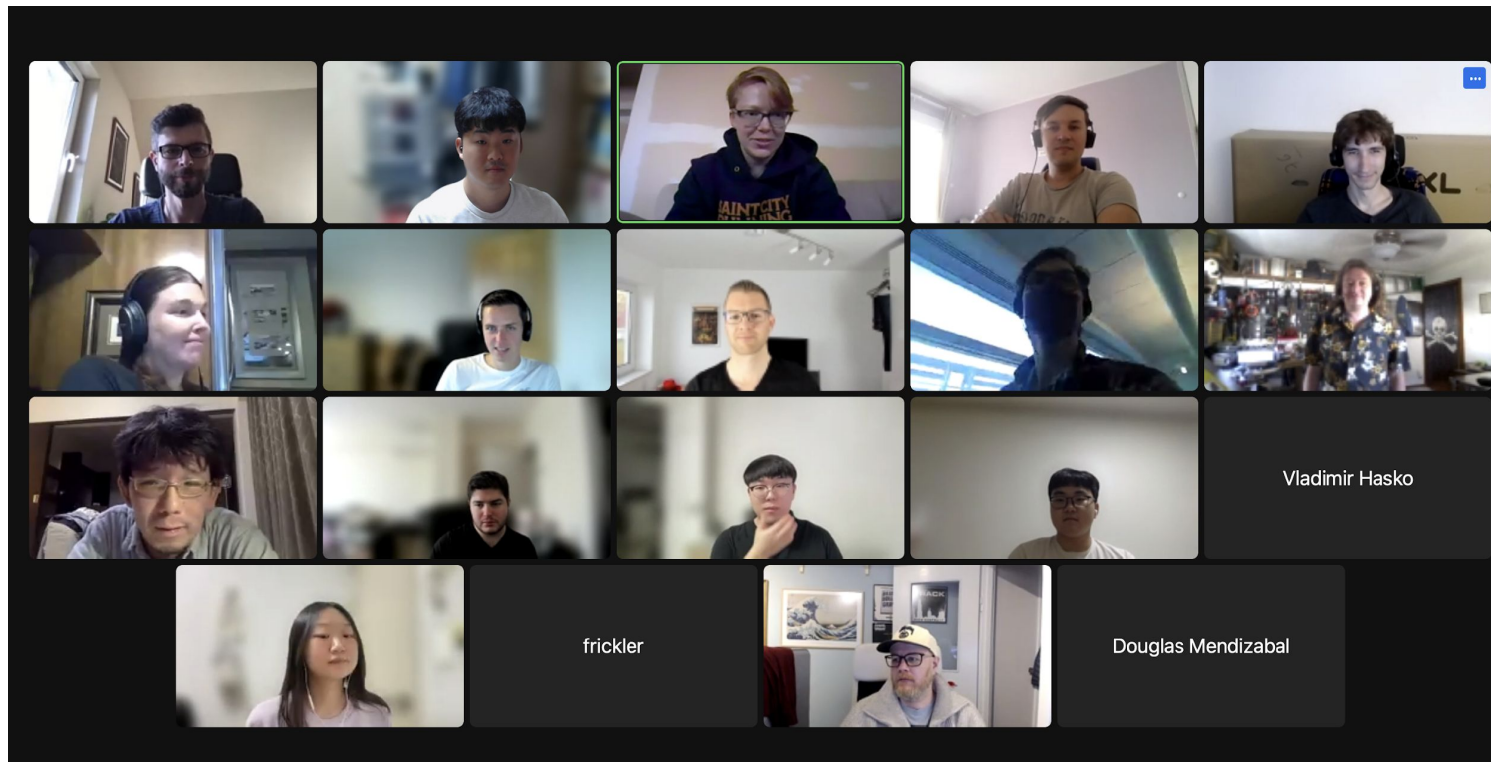
S seongsoocho Seongsoo Cho
stephenfin That's a great news. Thank you so much

활동 내용을 알리고,
코드 리뷰 등의 도움을
요청하였다.

```
(hoosa) #openstack-sdks (70,+snt) Bug tracker for SDK and O...

diablo_rojo meeting agenda is here: https://etherpad.opendev.org/p/openstacksdk-meeting-
agenda
seongsoocho Hi o/, I invited our mentee here to join and watch the meeting.
zeze hi
hoosa = Hi o/
diablo_rojo seongsoocho: excellent!
YooSoo_LIM Hi \o/
diablo_rojo gtema: do you want to run the meeting or shall I?
frickler actually those failures look unrelated, maybe some pyi hiccup
gtema feel free to run, since I am again "surprised" by the meeting
diablo_rojo #startmeeting sdk_osc
opendevmeet Meeting started Thu Aug 18 16:02:33 2022 UTC and is due to finish in 60
minutes. The chair is diablo_rojo. Information about MeetBot at http://wiki.debia
n.org/MeetBot.
opendevmeet Useful Commands: #action #agreed #help #info #idea #link #topic #startvote.
opendevmeet The meeting name has been set to 'sdk_osc'
gtema I am here, but absolutely not prepared
diablo_rojo gtema: no worries at all- I definitely sprung it on you
diablo_rojo #link https://etherpad.opendev.org/p/openstacksdk-meeting-agenda
diablo_rojo Ping List: gouthamr: stephenfin amotoki
gouthamr hey! :)
diablo_rojo + myself and gtema but we are already here lol
diablo_rojo Oh weird. I did a + at the start of that message and my element client
turned it into a bullet point.
stephenfin o/
diablo_rojo Anywho, feel free to throw things on the agenda and we will get started.
diablo_rojo #topic BU Students
```

월간 **sdk** IRC 회의에 참여한
모습



PTG(Project Team Gathering)에 참여한 모습

문서 수정 (4건)

<https://review.opendev.org/c/openstack/glance/+857735>

<https://review.opendev.org/c/openstack/python-openstackclient/+857728> (Merged)

<https://review.opendev.org/c/openstack/openstacksdk/+857700> (Merged)

<https://review.opendev.org/c/openstack/python-openstackclient/+851678> (Merged)

기능추가 (3건)

<https://review.opendev.org/c/openstack/openstacksdk/+857727>

<https://review.opendev.org/c/openstack/openstacksdk/+858350>

<https://review.opendev.org/c/openstack/openstacksdk/+857200>

Korean (South Korea) Documents		Sort	...
8 Search Q			
doc	doc/source/locale/	100.0%	Translated
doc-code-and-documentation	doc/source/locale/	100.0%	Translated
doc-common	doc/source/locale/	100.0%	Translated
doc-contributing	doc/source/locale/	100.0%	Translated
doc-non-code-contribution	doc/source/locale/	100.0%	Translated
doc-operators	doc/source/locale/	100.0%	Translated
doc-organizations	doc/source/locale/	100.0%	Translated
doc-users	doc/source/locale/	100.0%	Translated

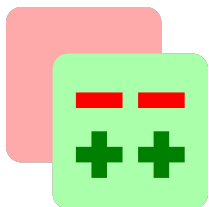
오픈소스 기여 활동의 시작점인
Contributor Guide 한글 번역 100% 달성

오픈스택에 기여하는 방법

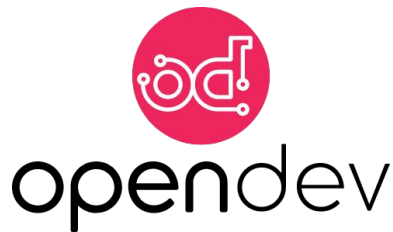
오픈소스 기여를 위해 필요한 도구



Openstack 기여를 위해 필요한 도구



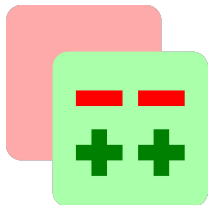
Gerrit



Storyboard

#irc

Openstack 기여를 위해 필요한 도구



Gerrit

코드
리뷰



코드 저장소



CI(code test)



코드 저장소
미러링

Openstack 기여를 위해 필요한 도구

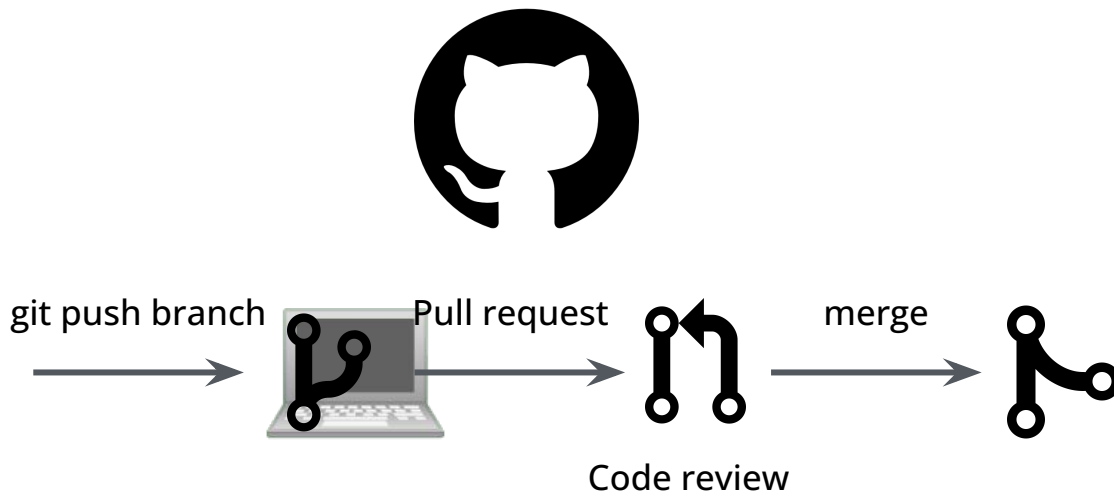


이슈 공유

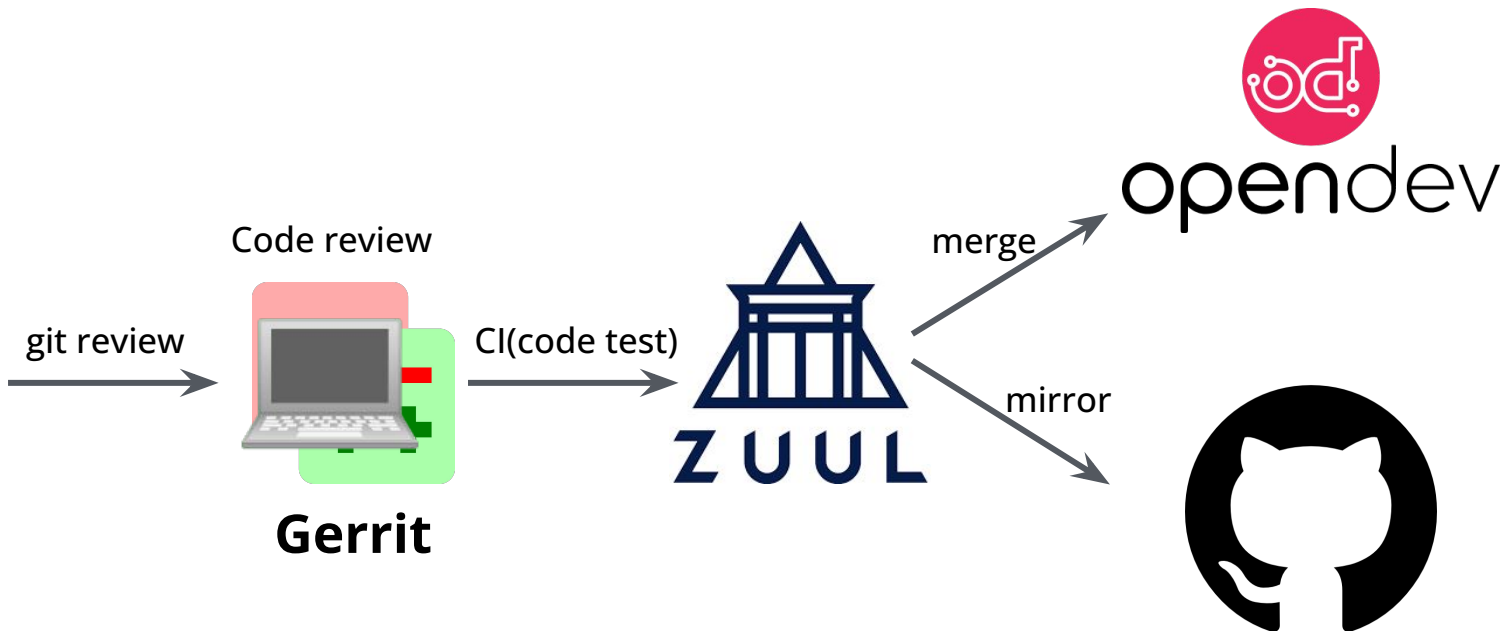
#irc

커뮤니케이션

Github PR system



Opendev Contribute system



Gerrit

1. review.opendev.org login

CHANGES ▾ DOCUMENTATION ▾ BROWSE ▾

?
⚙ Sign in

Subject	Status	Owner	Reviewers	Repo	Branch	Updated	Size	BC	CR	RP	V	W
Add required projects where necessary	—	» Elod Illes	Lajos	openstack/networking-bagpipe	stable/xena (add-bagpipe-required-pr...	14:19	S		✓		+1	
Don't try and update port security if its not changing	—	» Brendan Shep...	qian, Radomir, +2	openstack/horizon	stable/yoga (bug/1841050-stable/ze...	14:19	S		✓			✓
Refactor generate address pools by cidr	—	» liuhujie		openstack/neutron	master	14:17	S				-1	
Make integration tests stop on first failure	—	» Radomir Dopi...	Rodrigo, Tatiana, +1	openstack/horizon	master (integration-failfast)	14:17	XS		✓		+1	
Fix flavor specification at instance overview page	—	» Tatiana Ovchi...	Radomir, Vishal	openstack/horizon	stable/yoga (flavour-info-fix-stable/yo...	14:16	S		✓			✓
Switch to bridge01.opendev.org	—	Ian Wienand		opendev/base-jobs	master (bridge-ansible-venv)	14:16	S				+1	
Fix rescue of volume-based instances	—	» Jan Hartkopf	» Tatiana, qian, +2	openstack/horizon	master (bug/1941744)	14:15	S		✓	+1	-1	✓

Log in or Create account

One account for everything on Ubuntu

Ubuntu One › log in

Please type your email:

☐ I don't have an Ubuntu One account

☒ I have an Ubuntu One account and my password is:

Forgot your password?

Ubuntu One is the single account you use to log in to all services and sites related to Ubuntu.

If you have an existing Ubuntu Single Sign On account, this is now called your Ubuntu One account. [Read More](#) >

● Ubuntu one 계정으로 통합 로그인 가능

Gerrit

2. Gerrit Profile Setting



Profile setting에서 **username**과 **ICLA agreement**를 세팅 해주어야 합니다.

Profile

ID	35119
Email	huhji.elha@gmail.com
Registered	Jul 21
Username	<div>jhhuh</div>
Full name	<div>jihyun huh</div>
Display name	<div></div>
Status (e.g. "Vacation")	<div></div>

SAVE CHANGES

New Contributor Agreement

Select an agreement type:

☐ **USG CLA**

DON'T SIGN THIS: U.S. Government CLA (externally managed)

☐ **System CLA**

DON'T SIGN THIS: System CLA (externally managed)

☐ **ICLA**

Agreement already submitted.

OpenStack Individual Contributor License Agreement

Gerrit

3. SSH key setting

Gerrit profile에 있는 email로 ssh key 생성 후 .ssh/config 파일에 다음의 정보를 넣어줍니다.

```
ssh-keygen -t rsa -b 4096 -C "gerrit login email"
```

```
vi ~/.ssh/config
Host review.opendev.org review
  Hostname review.opendev.org
  Port 29418
  User <your_gerrit_username>
  IdentityFile ~/.ssh/$SSH_Key_File_Name
# ex) ~/.ssh/id_rsa
```

```
cat ~/.ssh/$SSH_Key_File_Name.pub
```

생성한 ssh key의 공개키를 복사한 후
Gerrit Profile의 SSH Keys에 추가합니다.

SSH keys

Comment

huhji.elha@gmail.com

huhji.elha@gmail.com

SAVE CHANGES

Status Public key

Valid [CLICK TO VIEW](#)  DELETE

Valid [CLICK TO VIEW](#)  DELETE

New SSH key

New SSH Key

ADD NEW SSH KEY

Git review

4. Git review

```
git clone https://opendev.org/openstack/openstacksdk
```

 OpenDev CHANGES ▾ YOUR ▾ DOCUMENTATION ▾ BROWSE ▾

Repositories	Filter: openstacksdk				
<u>Groups</u>	Repository Name	Repository Browser	Changes	Read only	Repository Description
	openstack/deb-python-openstacksdk	gitea	view all		
	openstack/openstacksdk	gitea	view all		
	windmill/ansible-role-openstacksdk	gitea	view all		

gitreview의 username을 gerrit profile에 사용한 username으로 설정하고 저장합니다.

```
git config --global --add gitreview.username "$Gerrit_Username"
```

```
git review -s
```

Git review sandbox

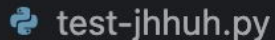
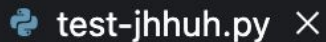
1. Sandbox 프로젝트 clone

```
git clone https://opendev.org/opendev/sandbox.git
```

2. 계정 설정

```
git config --local --add gitreview.username "$Gerrit_Username" # "jhhuh"
```

3. 코드 수정

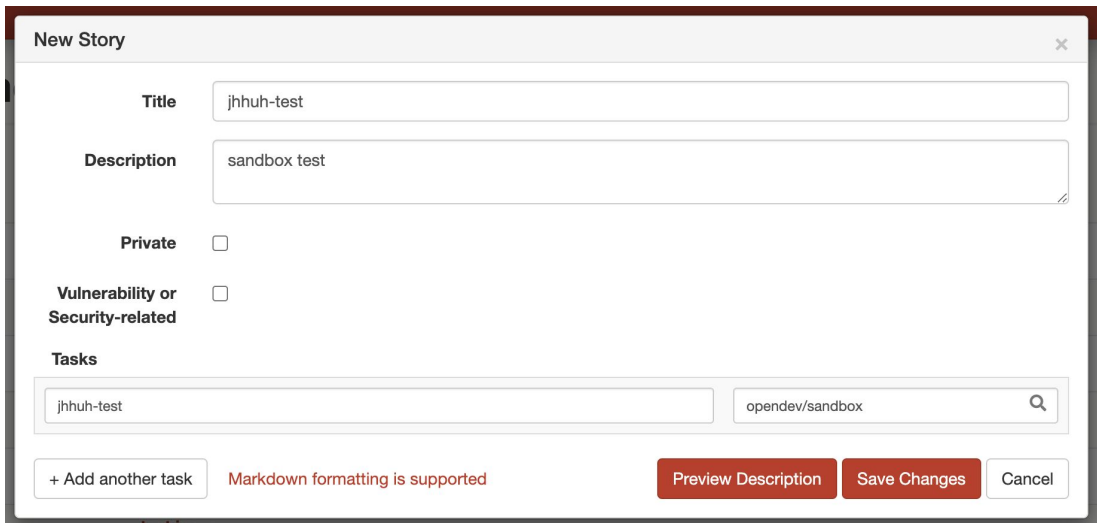


```
1 print("test")
```

Git review

4. Story 등록

<https://storyboard.openstack.org/#!/project/opendev/sandbox> 로그인 후 New Story 등록



New Story

Title jhhuh-test

Description sandbox test

Private ☐

Vulnerability or Security-related ☐

Tasks

jhhuh-test opendev/sandbox

+ Add another task Markdown formatting is supported

Preview Description Save Changes Cancel

Git review

4. Story 등록 <https://storyboard.openstack.org/#!/story/2010388> Story ID

jhhuh-test


Author: jihyun huh <huhji.elha@gmail.com>

Last updated: a few seconds ago

sandbox test

Tasks

 **opendev/sandbox**

▶ **46682** jhhuh-test 

 Click to assign. 

Task ID

 Add task affecting this project

Git review

5. Git commit

```
git add test-jhhuh.py
```

```
git commit
```

- **Commit message** 작성 규칙 :
한 줄이 **79**자를 넘으면 안된다.
- **title**과 본문을 적고 가장 밑에 **storyID**와 **taskID**를 적습니다.

✕ git (vim)

title: sandbox tutorial

commit message 1

commit message 2

story: 2010388

task: 46682

```
# 변경 사항에 대한 커밋 메시지를 입력하십시오. '#' 문자로 시작하는
# 줄은 무시되고, 메시지를 입력하지 않으면 커밋이 중지됩니다.
#
# 현재 브랜치 master
# 브랜치가 'origin/master'에 맞게 업데이트된 상태입니다.
#
# 커밋할 변경 사항 :
#     새 파일 :      test-jhhuh.py
#
```

Git review

5. Git review

```
git review
```

```
remote:
remote: SUCCESS
remote:
remote:  https://review.opendev.org/c/opendev/sandbox/+/862980 title: sandbox tutorial [NEW]
remote:
To ssh://review.opendev.org:29418/opendev/sandbox.git
 * [new reference] HEAD -> refs/for/master
```

→ 성공적으로 push가 된
모습

Git review

[Active](#)
[☆ 862980](#)
[title: sandbox tutorial](#)

Change Info [SHOW ALL](#)




Owner [jihyun huh](#)

Reviewers [Zuul](#) [X](#) [✎](#)

Repo | Branch [opendev/sandbox](#) | [master](#)

Topic [✎](#)

Submit requirements

-  Code-Review No votes
-  Verified [+1](#) [Zuul](#) [✎](#)
-  Workflow No votes

Links [gitea](#)

[REPLY](#)

title: sandbox tutorial
 commit message 1
 commit message 2
[story: 2010388](#)
[task: 46682](#)
 Change-Id: [I3eb496f3196da445a90e27fa488b07f6d9f8a1b1](#)

[✎](#) [EDIT](#)

Comments No comments

Files

Comments

Zuul Summary

Findings

Base [▼](#) → Patchset 1 [▼](#) [22c1494](#) [✎](#)

File

Comments

Size

Delta

[Commit message](#)

[test-jhhuh.py](#) [Added](#)


[+1](#) [-0](#)
[+1](#) [-0](#)

Git review

6. Git commit amend

```
test-jhhuh.py M x
test-jhhuh.py
1 | print("test fixed")
2 |
```

```
git pull
```

```
git commit --amend
```

```
git review
```

```
title: sandbox tutorial


commit message 1

commit message 2 --> changed!

story: 2010388
task: 46682
Change-Id: I3eb496f3196da445a90e27fa488b07f6d9f8a1b1
```

- 리뷰 받은 후 코드 수정이 필요할 때
- **commit message**를 쌓는 것이 아니라 **commit amend**를 통해 커밋 메세지만 수정하고 **gerrit**에 바뀐 패치셋을 올립니다.

Git review


OpenDev

[CHANGES](#)
[YOUR](#)
[DOCUMENTATION](#)
[BROWSE](#)

Active
☆ [862980](#)
title: sandbox tutorial

Change Info

Owner

jihyun huh

Reviewers

Zuul X

Repo | Branch

[opendev/sandbox](#) | [master](#)

Topic

Submit requirements

Code-Review

No votes

Verified

+1 Zuul

Workflow

No votes

Links

[gitea](#)

REPLY

title: sandbox tutorial

commit message 1

commit message 2 --> changed!

[story: 2010388](#)
[task: 46682](#)
 Change-Id: [I3eb496f3196da445a90e27fa488b07f6d9f8a1b1](#)

EDIT

Comments

No comments

Files

Comments


Zuul Summary

Findings




Base → Patchset 2 [7c56f3b](#)

File	Patchset 2 7c56f3bbd5	6:43 PM
Commit mes		
test-jhhuh.py	Patchset 1 22c149487e	6:32 PM

OpenDev review system


OpenDev

[CHANGES](#)
[YOUR](#)
[DOCUMENTATION](#)
[BROWSE](#)




JIHYUN HUH

Subject	Status	Owner	Reviewers	Repo	Branch	Updated	Size	BC	CR	PA	RP	V	W
☆ add fasteners to openstack tenant	–	» sean mooney	Andreas, fungi	openstack/project-config	master	6:54 PM	XS		✓			✗	✓
☆ Add rockylinux 9 to OSA grafana	–	» Neil Hanlon	Andreas, fungi	openstack/project-config	master	6:48 PM	S		✓			✗	✓
☆ title: sandbox tutorial	–	jihyun huh		opendev/sandbox	master	6:43 PM	XS					+1	
☆ Do not use Neutron resource by default	–	» Takashi Kajin...	James, qian, +1	openstack/tripleo-heat-templates	master (remove-legacy-networking)	6:42 PM	XS		✓			✗	✓
☆ Combine ensure-pip playbooks into a test role	–	» James E. Blair	Andreas, lan	zuul/zuul-jobs	master	6:33 PM	M		✓			✗	✓
☆ upload-npm: use latest nvm	–	» Ian Wienand	Andreas	zuul/zuul-jobs	master (npm-authtoken)	6:25 PM	XS		✓			+1	
☆ stage-output: use links in docs	–	» Ian Wienand	Andreas	zuul/zuul-jobs	master	6:23 PM	S		✓			+1	
☆ Add starlingx-gerritbot config	–	» Ildiko Vancsa	Andreas	openstack/project-config	master	6:22 PM	XS		✓			+1	
☆ Use vip_map data instead of deployed_server_port_map	–	» Takashi Kajin...		openstack/tripleo-ansible	master (deployed-port)	6:08 PM	S					-1	
☆ Update metadata in setup.cfg	–	likui		openstack/trove	master (setup)	4:25 PM	XS					+1	
☆ Standalone: Generate port map in a new format	–	» Takashi Kajin...		openstack/python-tripleoclient	master (deployed-port)	4:22 PM	S						
☆ Drop templates to create Neutron resources	–	Takashi Kajina...	» Harald, » Rabi, +3	openstack/tripleo-heat-templates	master (remove-legacy-networking)	4:15 PM	L		✓			✗	✓
☆ Use declarative reader/writer with enginefacade	–	» aarefiev	» Riccardo, » Steve, +5	openstack/ironic-inspector	master (bug/1475182)	3:27 PM	XL		■			+1	
☆ Fix app cred create without project_id for domain admins	–	» Rodrigo Barbi...	likui, Vishal	openstack/horizon	stable/xena (bug/1827120-stable/zed-st...	3:27 PM	M		✓			+1	
☆ Create entry for empty groups in inventory_rolemap	–	» Oliver Walsh	» Bogdan, » Daniel, +6	openstack/tripleo-upgrade	master (inventory_dir_support)	3:27 PM	XS		✓			+1	
☆ Fix bindep.txt to work with newer CentOS and RHEL	–	» Grzegorz Gras...	» Douglas, » Kristi, +2	openstack/python-keystoneclient	stable/wallaby	3:26 PM	XS		✓			+1	

OpenDev review system

- **+1, -1, 0** : 누구든지 점수를 부여할 수 있다.

-1 : core reviewer가 아니더라도 더 수정이 필요해보일때, 개선이 필요할때
0 : 괜찮은 정도. 일반적인 평문으로 코멘트를 달고 싶을 때, 토론을 하고
+1 을때
 +1 : lgtm, 이것도 누구나 줄 수 있다.

- **+2** -2 코어 리뷰어가 줄 수 있다.

-2 : do not merge. 지금 당장 필요가 없는 패치일 경우 -2를 주는 경우도 있다.
 core reviewer도 받을 수 있다.

+2 머지할 수 없는 코드인 경우 zuul이 주는 경우도 있다.
 + : core reviewer 입장에서 지금 merge가 가능하다고 판단할 때.
 반드시 두 명 이상의 core reviewer가 +2를 줘야 머지가 될 수 있다.

OpenDev review system

- **Workflow 점수**

Workflow +1 : core reviewer 두명이 +2를 준다고 바로 머지가 되지 않고 workflow +1점을 받아야 비로소 머지가 된다.

Workflow -1 : 코드 리뷰를 받은 후 CI 통과가 되지 않았을 때

- **Verified 점수. Zuul이 부여한다.**

+1 Zuul : unit test code 통과가 되면 받는 점수.

-1 Zuul : CI 통과가 안되었을때 받는 점수.

How to communicate

StoryBoard

openstack/openstacksdk

Unified SDK for OpenStack

Active Merged Invalid

◀ 1 to 10 of 270 ▶ ⚙

- | | | |
|-----------|--|----------|
| ▶ 2010371 | project cleanup: Add support to cleanup versioned objects from object storage containers | ▶ Active |
| ▶ 2010370 | project cleanup: Add --exclude switch to allow keeping certain types of resources e.g. backups | ▶ Active |
| ▶ 2010362 | Server fault not being included in SDK response | ▶ Active |
| ▶ 2010359 | Unable to set project_id when creating volume | ▶ Active |
| ▶ 2010352 | add_ips_to_server() might fail with "No port on server [...] was found matching your NAT destination network [...]" when more than one subnet with a gateway_ip exists | ▶ Active |

How to communicate

<https://meetings.opendev.org/#meetings>

#irc <irc://irc.oftc.net:6667>

IRC meetings schedule

The IRC meetings schedule is driven by the [opendev/irc-meetings](#) repository. To propose a change, please submit a change to that repository in Gerrit.

Here is the link to an ICS file containing all scheduled IRC meetings, for use in your favorite calendaring app:

 [iCalendar Complete Meeting Schedule](#)

Meeting details

Airship Team Meeting
Barbican Meeting
Blazar Team Meeting
Cinder Bug Squad Meeting
Cinder Festival of XS Reviews
Cinder Team Meeting
CloudKitty Team Meeting
Containers Team Meeting
Cyborg Project Team Meeting
Diversity Working Group Meeting
First Contact SIG Meeting
Glance Team Meeting
Horizon Team Meeting
Image Encryption PopUp-Team Meeting

Interop Working Group Meeting
Ironic (Bare Metal) Team Meeting
Keystone Team Meeting
Kolla Team Meeting
Kuryr Project Office Hours
Large Scale SIG Meeting
Manila Team Meeting
Monasca Team Meeting
Multi-Arch SIG Meeting
Neutron CI team
Neutron drivers Meeting
Neutron Team Meeting
Nova Monthly Asia Friendly Team Meeting
Nova Team Meeting

Octavia Meeting
OpenDev Meeting
OpenStack Ansible Deployment Meeting
OpenStack Data Processing (Sahara) Team Meeting
OpenStack Ops Meetup Team
OpenStack Security SIG meeting
OpenStack-Helm Team Meeting
OpenStackSDK
Oslo Team Meeting
Placement Team Office Hour
Public Cloud SIG Meeting
QA Team Office hours
Release Team Meeting


Requirements Team Meeting
RPM packaging Meeting
Scientific Working Group
Secure Default Policies PopUp-Team Meeting
Storyboard Meeting
Swift Team Meeting
Tacker (NFV Orchestrator and VNF Manager) Team Meeting
Technical Committee Meeting
TripleO Team Meeting
Watcher Team Meeting
Zun Team Meeting

Airship Team Meeting

This is the bi-weekly OpenStack Airship team meeting. Airship is a collection of tools that provide declarative automated cloud provisioning and management of the cloud.

 Every two weeks (on even weeks) on Tuesday at 1500 UTC in #airshipit (IRC [webclient](#))

 [ICS file](#) for this specific meeting

 Chair (to contact for more information): James Gu ([jamesgu](#)), Kostiantyn Kalynovskiy ([kkalynovskiy](#)), Matt McEuen ([mattmceuen](#)), Sreejith Punnappuzha ([sreejithp](#)), Drew Walters ([dwalt](#))

 [Logs](#) from [past meetings](#)

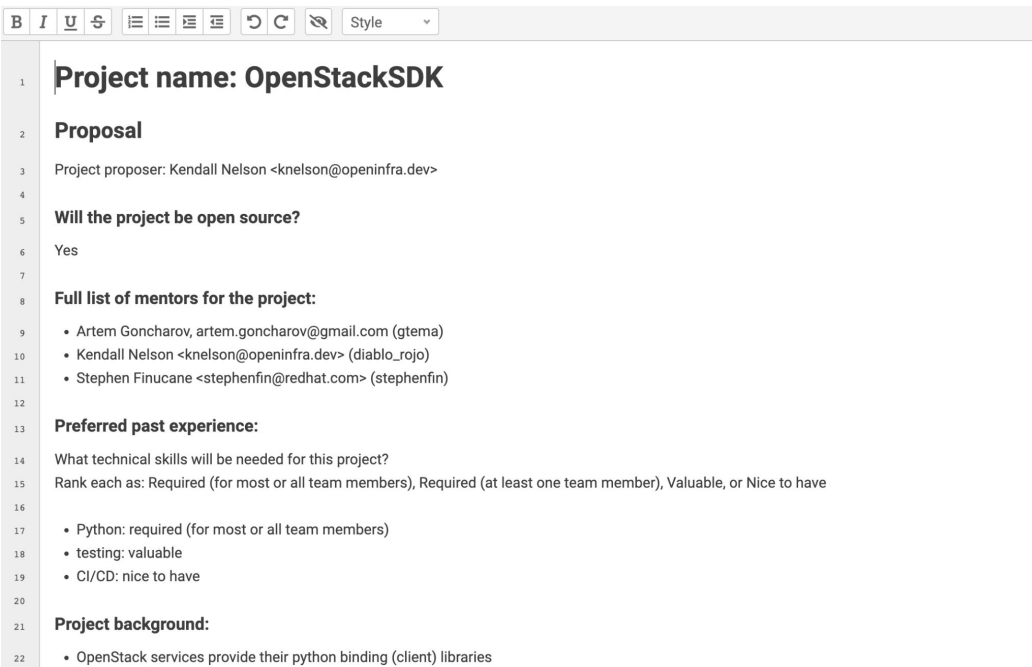
 Start this meeting using: #startmeeting airship

 [Agenda](#) for next meeting

How to communicate

#irc irc://irc.oftc.net:6667

fungi	#status log Pruned backups on backup02.ca-ymq-1.vexxhost, reducing volume utilization by 36% (from 93% to 57%)	[13:32]
opendevstatus	fungi: finished logging	[13:32]
clarkb	thank you	[15:09]
fungi	clarkb: not urgent, but when you have a chance i believe you had some feedback in irc for https://review.opendev.org/859977 which hasn't made it into review comments	[15:13]
clarkb	hrm I thought I posted them. Maybe I did it on the ACL change only	[15:14]
clarkb	ya I think one of the comments from the acls applies here so I've posted that. Otherwise I Think this is good	[15:16]
fungi	awesome, thanks	[15:19]
*** dviroel is now known as dviroellunch		[15:21]
clarkb	re the python image build stuff. Someone left a comment on my pip bug that they do similar but instead install everything using --user and then copy \$USER/.local to the prod iamge. This hsa the benefit of not needing to copy the wheel files too	[15:22]
clarkb	I havne't been able to come up with a good reason why that wouldn't work. But it is a much bigger/different change for us. In particular we expect things to install globally so would hae to update an image at a time if we do that	[15:23]
clarkb	infra-root https://review.opendev.org/c/opendev/system-config/+862374 is a node cleanup change for gitea-lb01 and jvb02. Once they are out of the inventory we can ask the clouds to delete them	[15:46]
*** mariosluck is now known as marioslout		[15:49]
frickler	seems pypi is going bonkers once again. devstack gate fails like e.g. https://zuul.opendev.org/t/openstack/build/9ea76a6e8d25421b842b3c0fd85ca0a0 and also in ironic	[16:10]
frickler	actually the whole buildset pretty much exploded https://zuul.opendev.org/t/openstack/buildset/b8ba06fc11804ea6848522751ab29ca3	[16:11]
JayF	the output was reading like a new pip release that turned on be_even_more_breaky=true or something lol	[16:11]
clarkb	oof. That does indeed look like the stale fallback index data	[16:11]
clarkb	JayF: If this is the issue we know about its on the server side. Pypi is fronted with a CDN. If that CDN fails to fetch necessary info from the backend it fallback to a backup backend. The problem is the backup backend isn't kept up to date and you get indexes from months ago	[16:12]
JayF	ah, that makes sense	[16:13]



참여 후기

대학교 4학년 이선재



=



취업 준비를 하다보니 모자람을 많이 느낌..



취업의 문턱에서 **우울한 우울한** 개구리 이선재

오픈소스와의 첫 만남



선배 개발자와 함께 1박 2일간 해커톤 형식으로 오픈소스 프로젝트에 함께
'컨트리뷰톤' 하며

참여•오픈•공유•협업하는 **오픈소스 문화**를 직접 경험할 수 있는 프로그램

2022 오픈소스 컨트리뷰션 아카데미 오픈스택팀 참여



언어, 협업 개발문화, 시작의 두려움 등 다양한 이유로 오픈소스 진입장벽이 높게만 느껴지는
개발자들을 위한 '오픈소스 컨트리뷰톤' 멘토링 행사

기여를 향한 고난과 역경의 시작





openstack®



Cinder



Glance



Keystone



Neutron



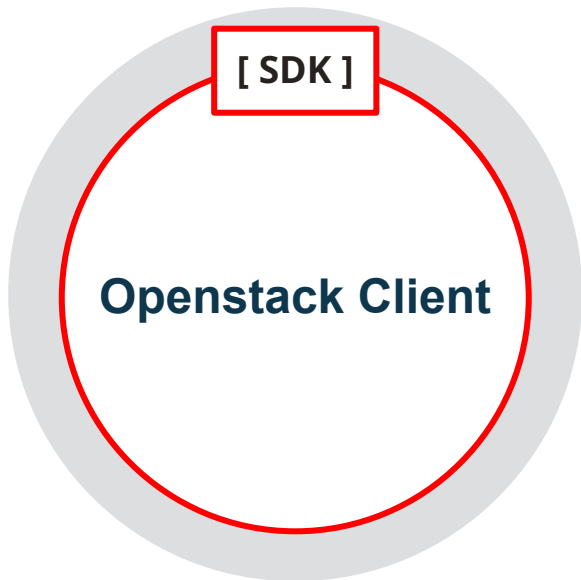
Nova



Swift

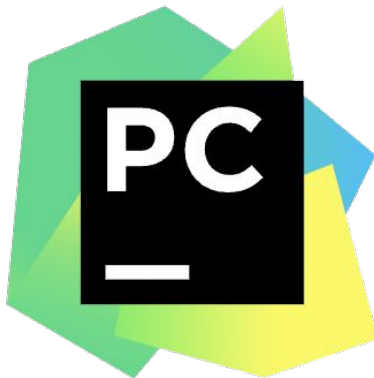
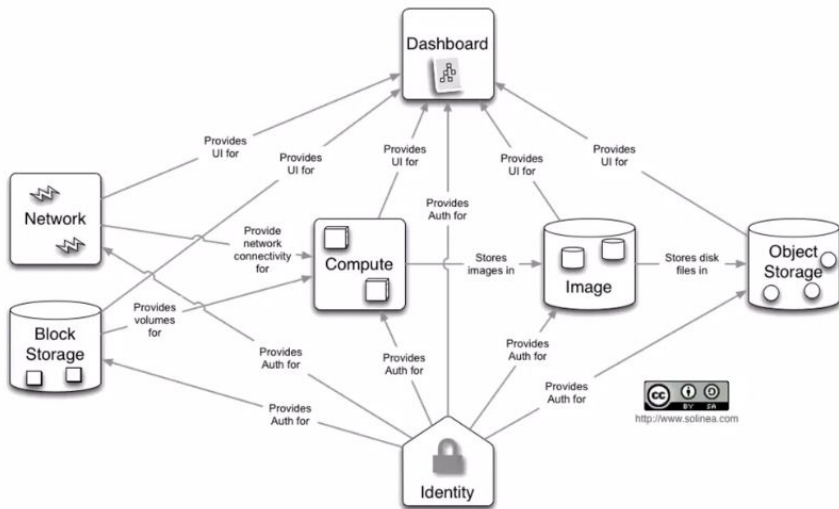


이선재



가장 많이 사용되는 컴포넌트고,
입문자가 가장 먼저 사용하는
컴포넌트래!





학습에 많은 시간이 소요되었던 구조학습 및 파이참(디버깅) 사용

정말 어려웠어,,



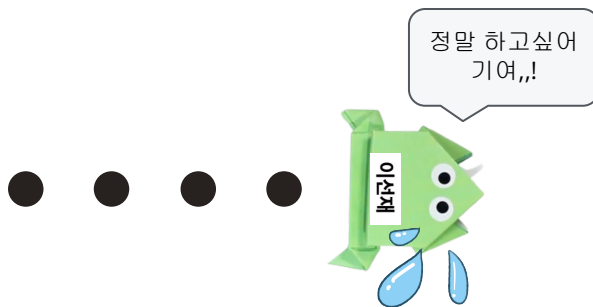


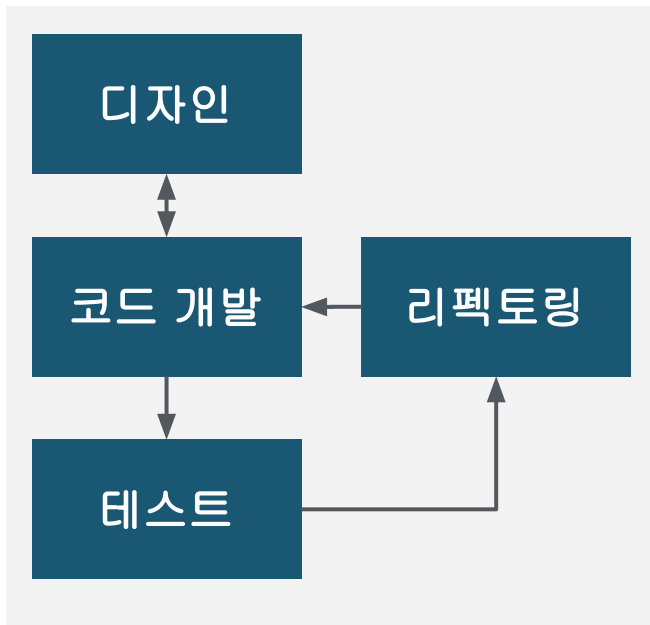
👤 위풍당당 멘토단의 노력에 감사



정말 위풍당당해,,







Test Case 필요성

1. 내 외부적으로 불확실 성이 높은 경우
2. 개발 중 내가 아닌 누군가가 조건이 바뀔 수 있는 경우
3. 개발 완료 후 유지 보수 대상이 불확실한 경우

=>테스트를 진행하는 것이 **오픈소스**의 특성에 부합

Test Case 사용하기

```
class TestServerList(_TestServerList):
    # Jose Castro Leon +7
    def setUp(self):
        super(TestServerList, self).setUp()

        Image = collections.namedtuple('Image', 'id name')
        self.images_mock.return_value = [
            Image(id=s.image['id'], name=self.image.name)
            # Image will be an empty string if boot-from-volume
            for s in self.servers if s.image
        ]

        Flavor = collections.namedtuple('Flavor', 'id name')
        self.flavors_mock.list.return_value = [
            Flavor(id=s.flavor['id'], name=self.flavor.name)
            for s in self.servers
        ]
```

그림1

```
parsed_args = self.check_parser(self.cmd, arglist, verifylist)

columns, data = self.cmd.take_action(parsed_args)

self.servers_mock.list.assert_called_with(**self.kwargs)
self.images_mock.assert_called()
self.flavors_mock.list.assert_called()

# we did not pass image or flavor, so gets on those must be absent
self.assertFalse(self.flavors_mock.get.call_count)
self.assertFalse(self.get_image_mock.call_count)
self.assertEqual(self.columns, columns)
self.assertEqual(self.data, tuple(data))
```

그림2

<Test Case>

내가 작성하고 수정한 Function에 대하여
의도대로 작동하는지에 대해 검증하기 위해 사용

Test Case는 pytest를 기반으로 동작하며 각각의
Test Case를 Unit Test라 칭함

실제 Nova에 호출을 보내지 않고 Mock-up
데이터를 가지고 테스트를 진행

<과정>

1. pytest에서 먼저 Setup을 실행하여 Mock-up
데이터를 리스트 형식으로 제작
2. 리스트화 된 Mock-up 데이터를 가지고
테스트를 진행(실제 Mock-up데이터와 기대값비교)

Mapping Guide

« » 查

The following is an incomplete mapping between legacy OpenStack CLIs and OpenStackClient. Think of it as a magic decoder ring if you were using the legacy CLIs and want to transition to OpenStack CLI. Command options are only shown when necessary.

glance CLI

Glance CLI	OSC Equivalent	Description
md-namespace-create		Create a new metadata definitions namespace.
md-namespace-delete		Delete specified metadata definitions namespace with its contents.
md-namespace-import		Import a metadata definitions namespace from file or standard input.
md-namespace-list		List metadata definitions namespaces.
md-namespace-objects-delete		Delete all metadata definitions objects inside a specific namespace.
md-namespace-properties-delete		Delete all metadata definitions property inside a specific namespace.
md-namespace-resource-type-list		List resource types associated to specific namespace.
md-namespace-show		Describe a specific metadata definitions namespace.
md-namespace-tags-delete		Delete all metadata definitions tags inside a specific namespace.

아직 매핑 되지 않은 명령어들

<Glance CLI>

다양한 Hypervisor에서 사용할 수 있는 가상머신 이미지를 관리하고, 가상머신에 설치된 운영체제를 보관 및 관리하는 Cli.

<특징>

1. Glance 사용자들은 glance-api를 통해 이미지 등록, 삭제..등 관리할 수 있다.
2. Api는 glance-registry와 glance database에서 이미지 관리가 진행된다.
3. 이미지 등록은 glance-registry를 통해 glance-database에 저장된다.
4. 등록된 이미지를 사용할 때는 glance-database에 바로 사용 요청을 한다.

Glance 분석

glanceclient.test_list_object

fake api information(`data_fixtures`)를 통해서 만든 fake api와
fake response data(`schema_fixtures`)를 통해서 fake schema api 를 만든다
이것을 fake controller를 만들 때 넣어주고, fake controller의 기반이 되는 object에 대한 controller(`metadevs.ObjectController`)도 인자로 넣어서 가짜 컨트롤러를 생성한다
glance client에서는 각 기능별로 controller를 통해서 기능을 호출 할 수 있도록 구성되어있는 것으로 보인다

BaseController

`BaseController`는 단순히 구성되어있다
입력받은 컨트롤러를 생성자에서 인스턴스로 생성하고

```
class BaseController(testtools.TestCase):
    def __init__(self, api, schema_api, controller_class):
        self.controller = controller_class(api, schema_api)
```

각종 기본 함수를 미리 정의해두어 그냥 컨트롤러의 함수를 다시 호출하는 형태이다

```
def list(self, *args, **kwargs):
    gen_obj = self.controller.list(*args, **kwargs)
    resources = list(gen_obj)
    if len(resources) > 0:
        self._assertRequestId(gen_obj)
    else:
        self.assertEqual([], gen_obj.request_ids)

    return resources
```

그리고 각 테스트에서 해당 컨트롤러를 호출하면 base로 넣어준 클래스를 바탕으로 함수를 인식하므로 테스트할 함수를 호출하면 fake api로 정의된 URL에 접근을 할 수 있게 된다

2022-OCA-OpenStack > 명령어 개발 > ... > Glance

편집 새 페이지

Metadata Object Commands

Command List

md-object-create

example

```
$ glance md-object-create --name test-object2 --schema {"description":"\`testschema2\`", "name":"\`testschema2\`", "properties":
 {}, "required":[]} test-namespace
```

```
From /home/robert/projects/python-glanceclient/src/robert_projects/python-glanceclient/glanceclient.py md-object-create --name test-object --schema {"description":"\`testschema2\`", "name":"\`testschema2\`", "properties":
{"required":[]}} test-namespace

+-----+-----+
| Property | Value |
+-----+-----+
| created_at | 2022-08-20T10:24:27Z |
| description | testschema |
| name | testschema |
| properties | {} |
| required | [] |
| schema | {"description":"testschema2", "name":"testschema2", "properties":{"required":[]}} |
| updated_at | 2022-08-20T10:24:27Z |
+-----+-----+
```

description

해당 namespace에 새로운 object를 생성한다.

md-object-delete(namespace의 protected 해제 후 실행)

example

```
$ glance md-object-delete test-namespace "cpu_limits_object"
```

Glance의 api 동작 방식과 기존 명령어의 사용법을 학습

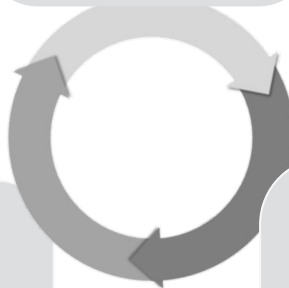
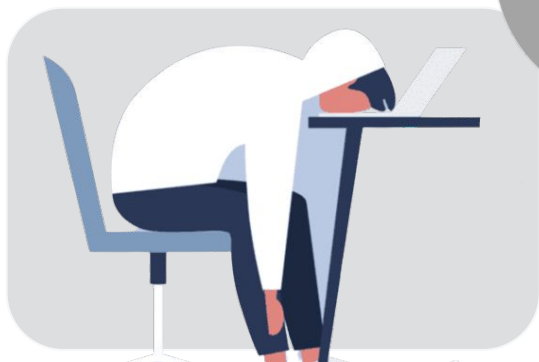
코드작업



매일 같은 쳇바퀴

API문서 확인 → 코드 작업 → 성과없이
집가기

집가기



API 문서 확인

Metadata definition objects

Creates, lists, shows details for, updates, and deletes metadata definition objects.

Since API v2.2

POST	/v2/metadata/namespaces/ {namespace_name} /objects Create object
GET	/v2/metadata/namespaces/ {namespace_name} /objects List objects
GET	/v2/metadata/namespaces/ {namespace_name} /objects/ {object_name} Show object
PUT	/v2/metadata/namespaces/ {namespace_name} /objects/ {object_name} Update object
DELETE	/v2/metadata/namespaces/ {namespace_name} /objects/ {object_name} Delete object

정말 힘들었어,,



Object팀 CRUD 구현 완료!



박태현, 이선재, 신재성, 윤해이
최고 🎉

OpenDev CHANGES YOUR DOCUMENTATION BROWSE

Active 858350 Add image metadata object operations

Change Info: Owner Taehyun Park, Uploader HaeYoon, Reviewers Zulu, CC stephenfin, Seongsu Cho, Repo | Branch openstack/openstacksdk | master, Topic develop-patch4

Submit requirements: Code-Review (No votes), Verified (+1 Zulu), Workflow (No votes)

Links: gitea

Comments: 6 unresolved, 1 resolved

Relation chain: update unittest of creating metadata-object (Abandoned), Add image metadata object operations (Abandoned) → Add image metadata object operations

Merge conflicts: image: Add metadata resource type operations, tests: Avoid potential aliasing of imports, image: Add 'store' argument to 'delete_image' proxy method, image: Correct typo, image: Allow listing detailed view of stores, Add support for other metadata property operations, Add support for verifying glance image signatures, Fix "400 error when create image with protected parameter", Don't try to upload to images in saving or queued state, Use shade.create_image method in image proxy layer

Files	Comments	Zulu Summary	Findings	DOWNLOAD	EXPAND ALL
Base → Patchset 25 → 07809b8					
File	Comments	Size	Delta		
Commit message					
doc/source/user/proxies/image_v2.rst	1 comment (1 unresolved)		+18 -8		
doc/source/user/resources/image/index.rst			+1 -8		
doc/source/user/resources/image/v2/metadata_object.rst			+13 -8		
openstack/image/v2/_proxy.py	1 comment (1 unresolved)		+94 -8		
openstack/image/v2/metadata_object.py			+41 -8		
openstack/tests/unit/image/v2/test_metadata_object.py	2 comments (2 unresolved)		+75 -8		
openstack/tests/unit/image/v2/test_proxy.py	1 comment (1 unresolved)		+48 -2		

Merge를 앞두고 있는 상태

야후우!





“아들아 황무지에도 꽃은 핀단다,,

오픈소스는 기여할 수 있는 부분이 다방면으로
이루어져있다.

오픈소스 기여를 어렵게 생각하지 않았으면 좋겠다.







오픈소스 기여를 도와줄 사람들은 정말 많다.

야 너두 할 수 있어




대학생 여러분들에게 하고싶은 말


관심 오픈소스 커뮤니티를 통한 도움받기

-  OpenStack Korea Group
-  OpenStack Global Community
-  Korea Docker User Group
-  Kubernetes Korea Group
-  Docker DevOps
-  Kubernetes & Docker 스터디 그룹

 커뮤니티 주소 

<https://ko-kr.facebook.com/groups/openstack.kr/>

 OpenStack Korea Group

 그룹 참가자
10월 12일 오후 1:11 · 🌐

오픈스택을 공부하고 있는 학생인데 개념이 조금 궁금하여 질문드립니다.

openstack 환경 구성후 vm을 생성하고 openstack port list를 하면 해당 vm의 네트워크 정보를 볼 수 있습니다.


여기에서 port명령어에 대한 개념이 명확하게 잘 잡히지가 않는데요.

실무에서 보면 port 명령어로 아이피 정보를 보는것 뿐만아니라, port명령어로 port를 직접 생성하거나 수정하는 경우가 있는데 이러한 경우는 어떠한 이유로 진행되는건지 예시가 있을까요?

(port가 부족해서 생성하거나 port 정보를 수정해야하거나, 그런데 포트는 기본적으로 vm생성하면 생성되는것이 아닌지?)

4
댓글 3개


👍 좋아요
💬 댓글 달기
🔗 공유



OpenStack instance생성시에 network을 할당하거나 port를 직접 할당할 수 있습니다.

port를 할당하는 경우에는 먼저 port가 생성되어 있어야 하고요, network대신 port를 할당하는 경우는 보통 이미 지정된 IP어드레스를 사용하고자 할 때 사용합니다.... 더 보기

2주
5



포트=vm에 할당하는 랜카드 라고 이해하시면 편하지 않을까요?

2주
2

실제 학생의 질문에 열정적으로 답변을 달아주시는 모습

Thank you