



Onboarding into the OpenStack Community with Git and Gerrit

<http://github.com/spotz/OpenInfraSummit>



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amy@redhat.com

Agenda

- Pre-Requirements Review
- Create, Triage, and Assign Documentation Bug
- Create, Commit, and Verify Patch
- Reference Materials

Pre-Requirements Review

Are Git and Gerrit Installed?

- Instructions for installing Git on MacOS, Linux and Windows:
 - <https://docs.openstack.org/contributors/common/git.html>
- Configuring Git
 - `git config --global user.name "Firstname Lastname"`
 - `git config --global user.email "your_email@youremail.com"`
- Instructions for installing Gerrit on MacOS and Linux:
 - <https://docs.openstack.org/contributors/common/setup-gerrit.html>
<https://docs.openstack.org/contributors/common/setup-gerrit.html>
 - Scroll to the bottom of the page!

Accounts Check List

OpenStack Community Membership

✓ Signup at <https://www.openstack.org/join>



Register

Create your account. It's free and only takes a minute.

Stacky

McStackface

openstacky@gmail.com

United States


Very Strong

ⓘ Your password contains sequences

Very Strong

ⓘ Your password contains sequences

☐ I'm not a robot


reCAPTCHA
[Privacy](#) - [Terms](#)

Register Now

Already have an account? [Sign in](#)

Accounts Check List

OpenStack Community Membership

✓ Signup at <https://www.openstack.org/join>

✓ Pick Account Type

Join The OpenStack Foundation

The OpenStack Foundation was founded in 2012. Join now as an Individual Member and help shape the future of OpenStack. It's free!

This is an exciting time for OpenStack, with the establishment of an independent, permanent legal home that can represent Stackers all over the globe for many years to come. In addition to individual members, we are also looking for corporate sponsors who believe in the mission and want to help.

THE MISSION

The OpenStack Foundation is an independent body providing shared resources to help achieve the OpenStack Mission by Protecting, Empowering, and Promoting OpenStack software and the community around it, including users, developers and the entire ecosystem.

Become a Member: Individuals & Companies can be members of the OpenStack Foundation.

Individual Member: Free

There are two levels of accounts on OpenStack.org: "Community Member" and "Foundation Member". The Foundation Member level has additional rights but also substantial responsibilities as a member of the OpenStack Foundation. Here's a quick summary of the differences:

Which type of account would you like to create?

- Community Member**
- Submit Proposed Summit Talks - Allowed
 - Vote on Proposed Summit Talks - Allowed
 - Have a Profile on OpenStack.org - Included
 - Vote on Foundation Board Member Elections - No

Community Member

- Foundation Member**
- Submit Proposed Summit Talks - Allowed
 - Vote on Proposed Summit Talks - Allowed
 - Have a Profile on OpenStack.org - Included
 - Commit code to OpenStack via Gerrit
 - Vote on Foundation Board Member Elections - Required*

Foundation Member

* Foundation Members are required to vote regularly in Board elections, or their membership can be suspended. Note that new Foundation Members must be members for 180 days before they are eligible to vote in Board Member elections. Inactive Foundation Member accounts are moved to Community Member level automatically after a period of inactivity. You may also log into your profile at any time and adjust your membership level.

Accounts Check List

OpenStack Community Membership

- ✓ Signup at <https://www.openstack.org/join>
- ✓ Pick Account Type
- ✓ Sign ICLA

Accounts Check List

Ubuntu One Login

✓ Go to <https://storyboard.openstack.org> or
<https://launchpad.net/openstack>

Accounts Check List

Ubuntu One Login

- ✓ Go to <https://storyboard.openstack.org> or <https://launchpad.net/openstack>
- ✓ Click on Login


Accounts Check List

Ubuntu One Login

- ✓ Go to <https://storyboard.openstack.org> or <https://launchpad.net/openstack>
- ✓ Click on Login
- ✓ Select I don't have a Ubuntu One account

Launchpad log in with Ubuntu One

Please type your email:



☐ I don't have an Ubuntu One account

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

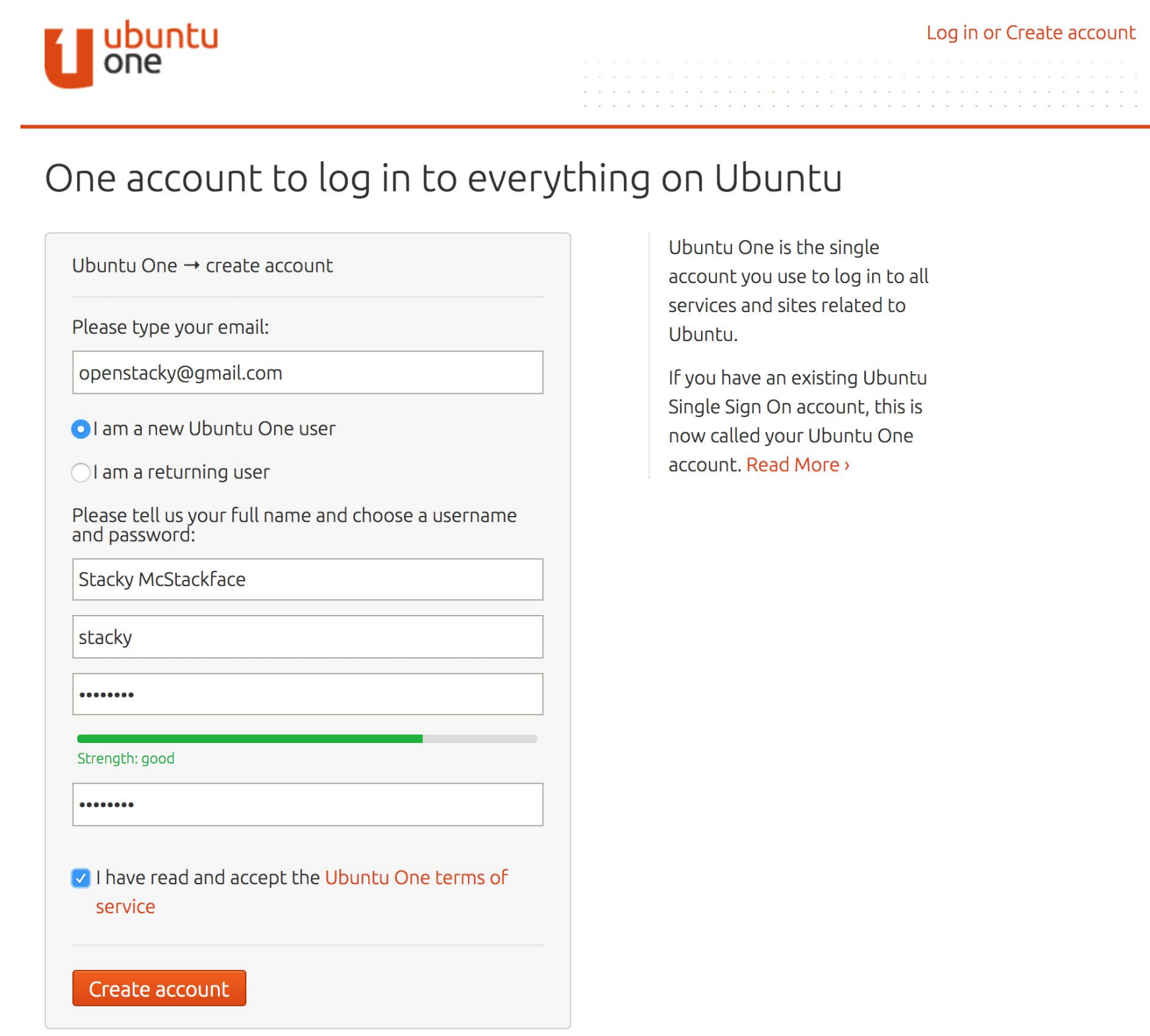
Log in

Forgot your password?

Accounts Check List

Ubuntu One Login

- ✓ Go to <https://storyboard.openstack.org> or <https://launchpad.net/openstack>
- ✓ Click on Login
- ✓ Select I don't have a Ubuntu One account

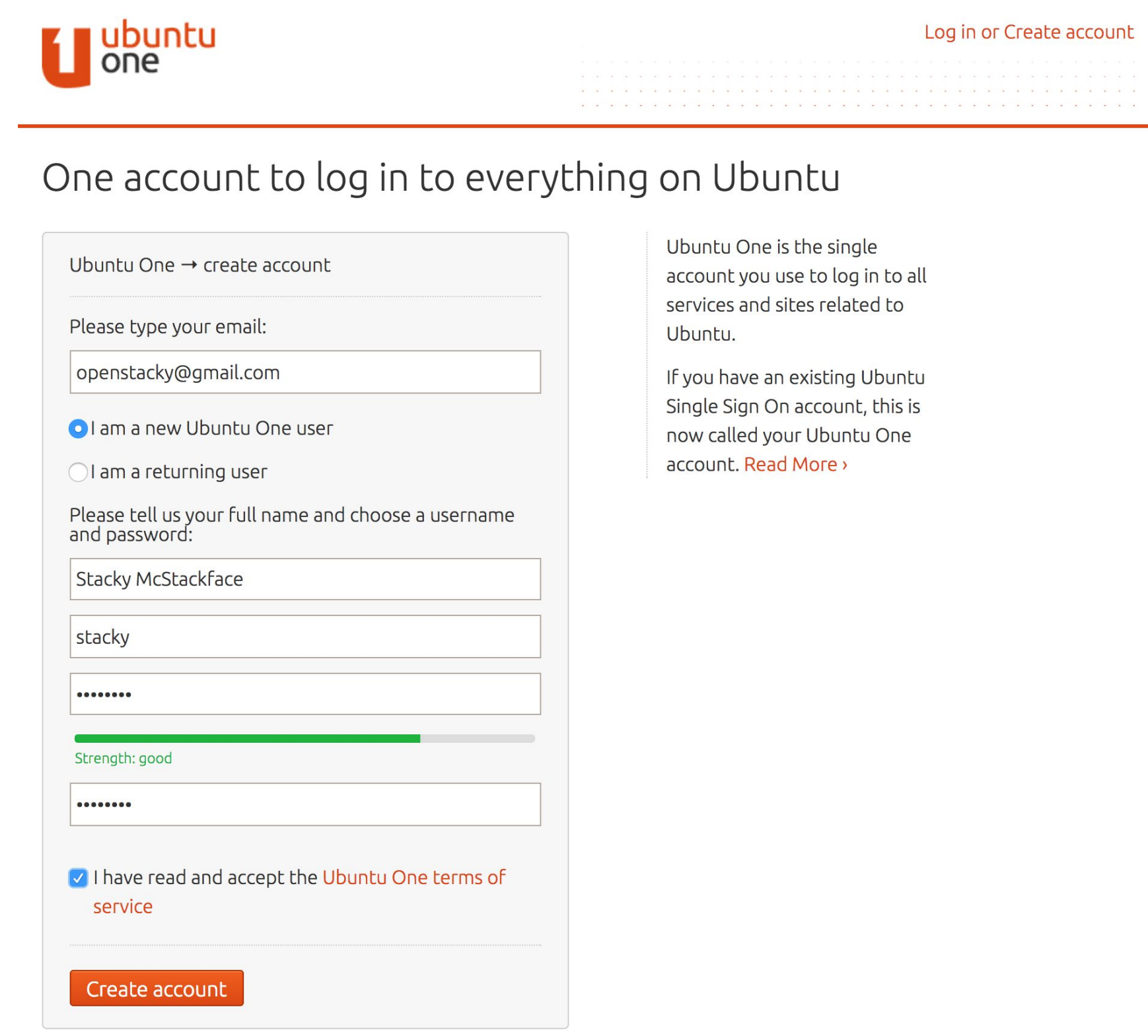


The screenshot shows the Ubuntu One login page. At the top left is the Ubuntu One logo. At the top right is a link that says "Log in or Create account". Below the header is a horizontal line, and then the text "One account to log in to everything on Ubuntu". The main content area is a light gray box with a white background. It contains the following elements: a link "Ubuntu One → create account", a label "Please type your email:", a text input field containing "openstacky@gmail.com", two radio buttons: "I am a new Ubuntu One user" (selected) and "I am a returning user", a label "Please tell us your full name and choose a username and password:", a text input field containing "Stacky McStackface", another text input field containing "stacky", a password input field with dots, a green progress bar, the text "Strength: good", another password input field with dots, a checked checkbox "I have read and accept the Ubuntu One terms of service", and a red "Create account" button at the bottom.

Accounts Check List

Ubuntu One Login

- ✓ Go to <https://storyboard.openstack.org> or <https://launchpad.net/openstack>
- ✓ Click on Login
- ✓ Select I don't have a Ubuntu One account

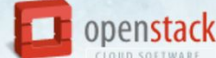


The screenshot shows the Ubuntu One login page. At the top left is the Ubuntu One logo. At the top right is a link that says "Log in or Create account". Below the header is a horizontal line, and then the text "One account to log in to everything on Ubuntu". The main content area is a form titled "Ubuntu One → create account". It has a section "Please type your email:" with a text input field containing "openstacky@gmail.com". Below that are two radio buttons: "I am a new Ubuntu One user" (which is selected) and "I am a returning user". Then it says "Please tell us your full name and choose a username and password:". There are three input fields: the first contains "Stacky McStackface", the second contains "stacky", and the third is a password field with dots. Below the password field is a green progress bar and the text "Strength: good". There is another password field with dots below that. At the bottom of the form is a checked checkbox "I have read and accept the Ubuntu One terms of service" and a "Create account" button. To the right of the form is a text block explaining that Ubuntu One is the single account for logging in to all services, and it mentions that existing Single Sign On accounts are now called Ubuntu One accounts, with a "Read More" link.

Accounts Check List

Create Gerrit Account

✓ Go to <https://review.openstack.org> and click on Sign In

openstack
CLOUD SOFTWARE

All

Projects

Documentation

OpenMergedAbandoned

status:open

Search

Sign In

Search for status:open


Subject	Status	Owner	Project	Branch	Updated	Size	CR	V	W
Uses _compat_conn where WMI objects need to be updated or added		Claudiu Belu	openstack/os-win	stable/hewton (bug/1678968)	4:36 PM			+1	
Updates networkutils caches on worker error		Claudiu Belu	openstack/networking-hyperv	stable/hewton (bug/1676941)	4:36 PM			+1	
Clarify message if key file has wrong permissions		Rob Cresswell	openstack/horizon	stable/locata	4:36 PM			+1	
Make QoS policy object compatible with versions 1.2 and higher		Slawek Kaplonski	openstack/neutron	master (bug/1681440)	4:36 PM				
URL pattern based RBAC Management Interface		ayoung	openstack/keystone	master (bp/role-check-from-middleware)	4:35 PM			+1	
Enable breadcrumbs for AngularIndexView		Rob Cresswell	openstack/horizon	stable/locata (angular-breadcrumb)	4:35 PM			+1	
Minimum black list		Davanum Srinivas (dims)	openstack/k8s-cloud-provider	master	4:35 PM			✓	✓
DNM: IPv6 ICMP API hack		Brian Haley	openstack/neutron	master (ipv6-icmp-api-hack)	4:35 PM				✗
Add sanity check for conntrack		Brian Haley	openstack/neutron	master (conntrack-check)	4:35 PM			✓	
Add id to RingBuilder to differentiate rings in composite		Alistair Coles	openstack/swift	master (p-composite-metadata)	4:35 PM			+1	
Loadbalancer v2 needs to accept tenant_id on POST		Jude Cross	openstack/octavia	master (bug/1679854)	4:34 PM				
ironic-pxe: handle non-x86 architectures		Marcin Juszkievicz	openstack/kolla	master (bp/multiarch-and-arm64-containers)	4:34 PM			✓	✓
RemoteFS: fix volume cascade delete		Lucian Petrut	openstack/cinder	master (bug/1681406)	4:34 PM			+1	
Release Zaqar Client 1.4.0		Fellong Wang	openstack/releases	master (zaqarclient-pike-1)	4:34 PM				
Update glanceclient from v1 to v2 to avoid deprecation errors.		Felipe Monteiro	openstack/murano-dashboard	master (bug/1675171)	4:34 PM			+1	
New project - OpenStack-Helm		Brandon B. Jozsa	openstack/infra/project-config	master (openstack-helm)	4:33 PM			✓	+1
WIP: Add open-iscsi manual scan support		Gorka Eguleor	openstack/os-brick	master (refactor/multipath)	4:33 PM				-1
Revert "Remove the tempest plugin"		Emilien Macchi	openstack/trove	master	4:33 PM			✓	✓
Add get_by_instance_uuids() to InstanceMappingList		Dan Smith	openstack/nova	master (bp/cells-aware-api)	4:33 PM			✓	-1
PowerVM Driver: spawn/delete #1: no-ops		Eric Fried	openstack/nova	master (bp/powervm-nova-compute-driver)	4:32 PM			✓	
OSP-43: dont support pci passthrough vnic type		Sarath Kumar Sankaran Kutty	openstack/networking-bigswitch	master (master2)	4:32 PM				-1
hide lock error on delete_metric		gordon chung	openstack/gnocchi	master (delete)	4:32 PM				
qemu_img_info: Don't autodetect source format		Eric Hamey	openstack/cinder	master (bp/improve-encrypted-volume)	4:31 PM			✓	+1
Fix some reST field lists in docstrings		wei zhao	openstack/ironic	master (bug/1677094)	4:31 PM				+1
NFP(Contrib) - Vyos service day0 configuration		Rajendra Machani	openstack/group-based-policy	master (bug/1681471)	4:31 PM				+1

Next→

Powered by Gerrit Code Review (2.11.4-22-ge0c0f29) | Get Help | Press "?" to view keyboard shortcuts

Create Gerrit Account

- 
- Red Hat**

ubuntu
one

Stacky McStackface [My account](#) | [Log out](#)

Personal details

The email address openstacky@gmail.com has been validated

Personal Data Request

You are logging in to <https://review.openstack.org/>

The site has requested some personal information, please choose what you would like to share:

- ☒ Full name: Stacky McStackface
- ☒ Email address: openstacky@gmail.com

Yes, log me in

 or [cancel](#)

Accounts Check List

Create Gerrit Account


- ✓ Go to <https://review.openstack.org> and click on Sign In
- ✓ Login with your Ubuntu One account
- ✓ Sign ICLA



Accounts Check List

Create Gerrit Account

- ✓ Go to <https://review.openstack.org> and click on Sign In
- ✓ Login with your Ubuntu One account
- ✓ Sign ICLA



All

My

Projects

People

Documentation

OpenMergedAbandoned

rchSign In

New Contributor Agreement

Select an agreement type:

☒ ICLA

OpenStack Individual Contributor License Agreement

☐ System CLA

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

☐ USG CLA

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

CR	V	W
	+1	
+1	+1	
	+1	
+1	+1	
✓		✓
✓		✗
	+1	
✓		✓
	+1	
	+1	
✓	+1	
✓	-1	✓
✓	-1	✓
✓	-1	
	+1	
✓	+1	
	+1	

Next→

ard shortcuts

Create Gerrit Account

- 
- Red Hat**

rch

Sign In

Full Name

Stacky McStackface

Preferred Email

openstacky@gmail.com ↕

Register New Email ...

The following offline contact information is stored encrypted.

Contact information will only be made available to administrators if it is necessary to reach you through non-email based communication. Received data is stored encrypted with a strong public/private key pair algorithm, and this site does not have the private key. Once saved, you will be unable to retrieve previously stored contact details.

Mailing Address

123 Abbey Road
Austin, TX

Country

United States

Phone Number

8305551234

Fax Number

Complete the agreement:

I Agree (enter I AGREE in the box to the left)

Submit Agreement

Accounts Check List

Create Gerrit Account

- ✓ Go to <https://review.openstack.org> and click on Sign In
- ✓ Login with your Ubuntu One account
- ✓ Sign ICLA



AllMyProjectsPeopleDocumentation

ChangesDraftsDraft CommentsWatched ChangesStarred ChangesGroups

Sign In

Settings

ProfilePreferencesWatched ProjectsContact InformationSSH Public KeysHTTP PasswordIdentitiesGroupsAgreements

Status	Name	Description
Verified	ICLA	OpenStack Individual Contributor License Agreement
		New Contributor Agreement

Submit Agreement

?	V	W
+1		
+1		
+1		
+1	✓	
	✗	
+1		
	✓	
+1		
+1		
+1		
-1		
-1	✓	
-1	✓	
-1		
+1		
+1		
+1		
Next→		
1 shortcuts		

Accounts Check List

Upload your SSH key for Gerrit

✓ Create and get your Public SSH Key

Create an SSH key if you do not have one or want a new one

```
ssh-keygen -C "emailaddress"  
cat ~/.ssh/id_rsa.pub
```


Accounts Check List

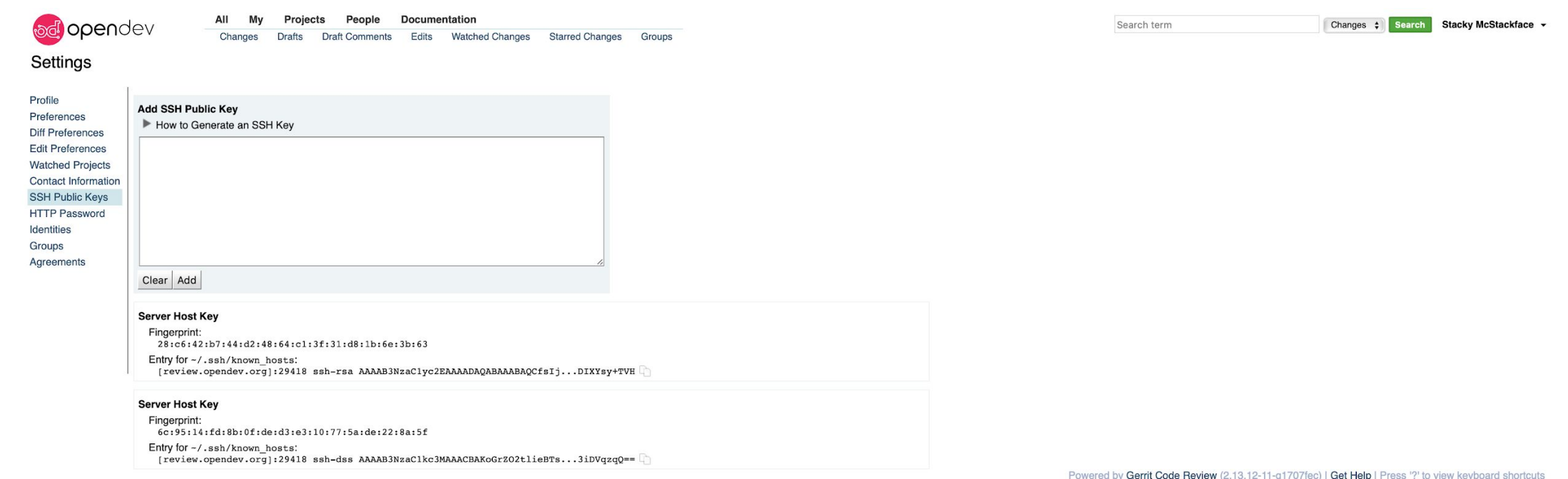
Upload your SSH key for Gerrit

- ✓ Create and get your Public SSH Key
- ✓ Go to
<https://review.opendev.org/@settings/ssh-keys>

Accounts Check List

Upload your SSH key for Gerrit

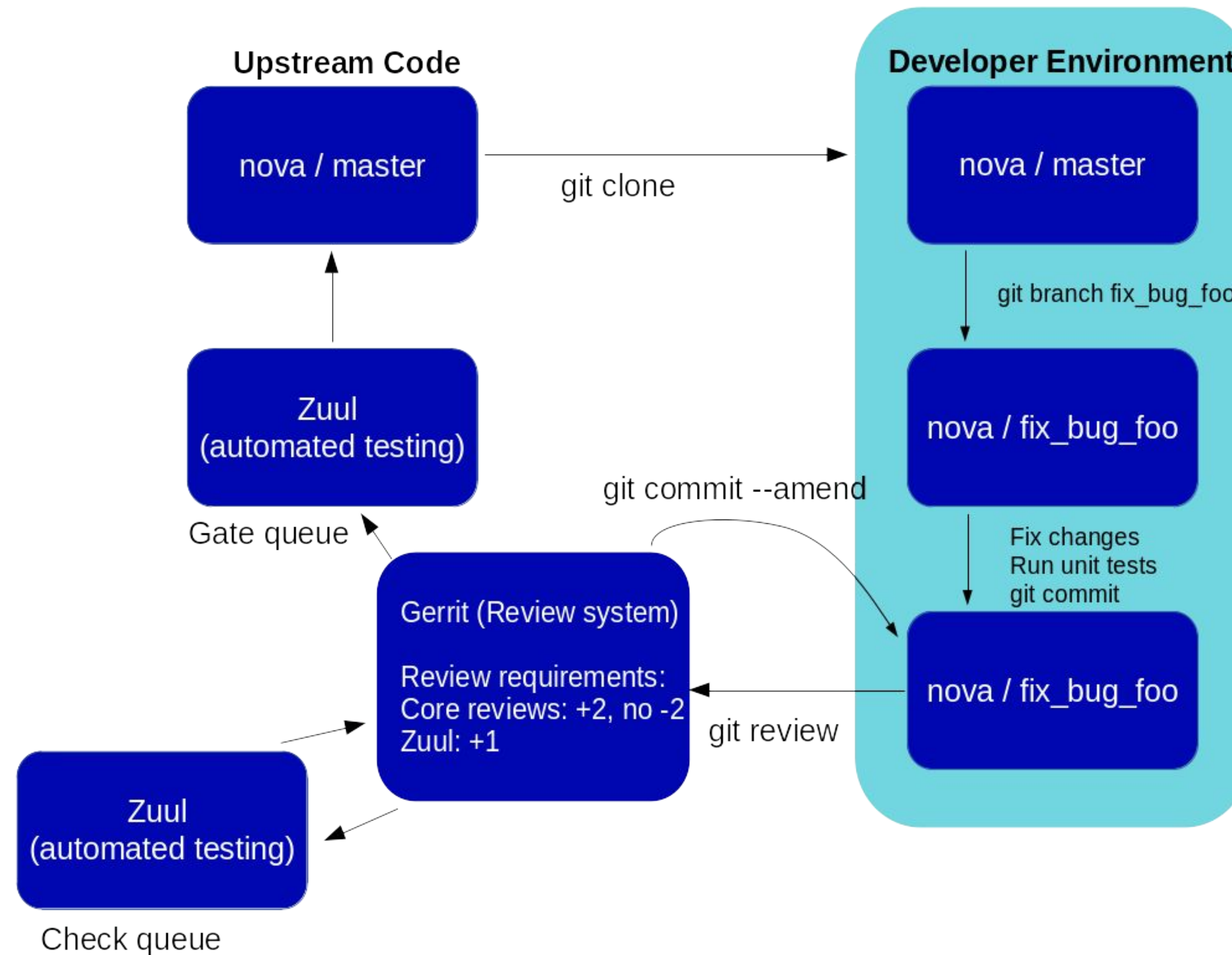
- ✓ Create and get your Public SSH Key
- ✓ Go to <https://review.opendev.org/@settings/ssh-keys>
- ✓ Login if needed and cut and paste your key



The screenshot shows the OpenDev Gerrit web interface. The top navigation bar includes links for 'All', 'My', 'Projects', 'People', and 'Documentation'. Below this, there are tabs for 'Changes', 'Drafts', 'Draft Comments', 'Edits', 'Watched Changes', 'Starred Changes', and 'Groups'. The main content area is titled 'Settings' and contains a sidebar with links for 'Profile', 'Preferences', 'Diff Preferences', 'Edit Preferences', 'Watched Projects', 'Contact Information', 'SSH Public Keys', 'HTTP Password', 'Identities', 'Groups', and 'Agreements'. The 'SSH Public Keys' section is active, showing a form to 'Add SSH Public Key' with a 'How to Generate an SSH Key' link. Below the form, there are two 'Server Host Key' entries, each displaying a fingerprint and an entry for the local host's known_hosts file. The first entry is for 'review.opendev.org' with an RSA key, and the second is for 'review.opendev.org' with a DSA key. A search bar and a 'Changes' dropdown are visible in the top right corner.

OpenStack Contribution Process

Development Workflow



LaunchPad System Overview

- LaunchPad Example:
<https://bugs.launchpad.net/openstack-manuals/+bug/1663485>
- Login – Ubuntu One Account
- When to Open or Assign a Bug
- How Bugs Are Created
 - Manually
- Bug Triaging

Launchpad

tripleo

ide **Bugs** Blueprints Translations Answers










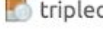




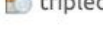

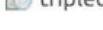


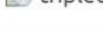














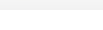


Search

Advanced search

lts

First • Previous • **Next** ► • Last

Sort by: Importance ▼ Status Number Title Package/Project/Series name Heat

TRIAGED	#1449136	Pip fails to find distribution for package		18		
IN PROGRESS	#1818060	Nodes periodic-tripleo-ci-centos-7-ovb-3ctlr_1comp-featureset001-master fail to get usable IPs though os-net-config with Error, some other host (BE:E5:4F:B9:21:B0) already uses address		10		
TRIAGED	#1833465	tripleo reproducer fails w/ "waiting on logger"		6		
IN PROGRESS	#1838376	rspec-puppet-facts 1.9.5 requires Ruby version >= 2.1.0		6		
TRIAGED	#1846662	dlnr_promoter is updating links in dlnr_trunk prior to all the containers being pushed		6		
FIX COMMITTED	#1848024	monitor_address_block empty in ceph-ansible group_vars and hieradata		8		
FIX COMMITTED	#1865525	update tripleo project zuul.d/layout for centos-8		6		
TRIAGED	#1867144	TripleO standalone upgrade job fails when Ceph enabled		8		
TRIAGED	#1867744	Pacemaker cluster fails to start in CI jobs		6		
TRIAGED	#1868462	Image build with DIB fails "dib-run-parts: Permission denied"		6		
TRIAGED	#1870206	Update on train fail on compute node on malformed block in Compute/update_tasks.yaml		6		
TRIAGED	#1872828	[queens] update fails on nova_api_ensure_cell0_database_url		6		
TRIAGED	#1873314	tripleo-buildimage-overcloud-full-centos-7 failing in check and gate		6		

Report a bug

Bug supervisor:

 tripleo

- 61 New bugs
- 810 Open bugs
- 181 In-progress bugs
- 64 Critical bugs
- 216 High importance bugs
- 1 Incomplete bug (can expire)

- Bugs fixed elsewhere
- 0 Bugs with patches
- 1 Open CVE bug - CVE report

Tags

- 91 ci
- 57 in-stable-train
- 55 alert
- 54 train-backport-potential
- 43 queens-backport-potential
- 42 in-stable-queens
- 34 promotion-blocker
- 33 quickstart
- 25 mistral-removal
- 24 ussuri-backport-potential
- 24 in-stable-ussuri
- 23 stein-backport-potential
- 19 rocky-backport-potential
- 19 upgrade
- 13 tech-debt
- 11 containers
- 8 tripleo-heat-templates
- 8 config-download
- 8 documentation
- 7 low-hanging-fruit

Show more tags...

Storyboard System Overview

- StoryBoard Example:
<https://storyboard.openstack.org/#!/story/2004144>
- Login – Ubuntu One Account
- When to Open or Assign a Bug
- How Bugs Are Created
 - Manually
- Bug Triaging

Storyboard

Storyboard

Create New...

Jump to...

Search

About

Worklists & Boards

Project Groups

Projects

Stories

License

Launchpad to StoryBoard Migration

A board to track various projects migrating to StoryBoard! Migration script excitement, list of projects on the VIP waiting list to migrate.... it will all happen here!

Untested Projects

Chef OpenStack

Dragonflow

EC2-API

Cinder

Horizon

Kuryr

Karbor

Masakari

Neutron

Murano

Mistral

Nova

OpenStack-Ansible

Powerstackers

Tested & Failed Projects

Charms

Zara

Tested & Succeeded Projects

i18n

Zara

Congress

Kendall Nelson

Heat

Kendall Nelson

Solum

Kendall Nelson

Watcher

Zara

Storlets

Kendall Nelson

Tricircle

Zara

Trove

Kendall Nelson

Tested, Contacted PTL

Designate

Kendall Nelson

Blazar

Kendall Nelson

Glance

Kendall Nelson

Barbican

Kendall Nelson

LOCI

Kendall Nelson

Kolla

Zara

Magnum

Kendall Nelson

OpenStack-Helm

Kendall Nelson

Migration Script Changes

migration script- some users' openids aren't added to db properly

Other Migra

Update remove Launch Kendal

Add St project Kendal

Update remove Launch

Filing a Bug

- URL - <https://launchpad.net/gitandgerrittraining>
- Click “Report a Bug”
- Enter Bug Summary (Brief Description)
- Provide Further Information on the Bug
- Extra Options
 - Status – New
 - Importance – Undecided
 - Assign Bug to Yourself

Configure Git and Gerrit Review

```
$ git config --global user.name "Firstname Lastname"  
$ git config --global user.email "your_email@youremail.com"  
$ git config --global gitreview.username yourgerritusername  
$ git config --list
```

Tip

We don't know where your
gerrit is" Error? git remote add
gerrit ssh://<username>@
review.opendev.org:29418/ope
ndev/sandbox.git

Cloning and Branching

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

```
$ cd sandbox/
```

Setup git review

Mac/Ubuntu - \$ git review -s

Windows - \$ git review

```
$ git remote update
```

```
$ git checkout master
```

```
$ git pull --ff-only origin master
```

```
$ git checkout -b bug/bugID
```

Create, Commit, and Verify a Patch

```
$ cat > mytestfile << EOF
```

Add text unique to your file

```
$ git status
```

```
$ git add mytestfile
```

```
$ git status
```

```
$ git commit -a
```

```
$ git commit --amend
```

```
$ git show
```

```
$ git review
```

Tip

Commit Message Best
Practices -

[https://wiki.openstack.org/wiki/
GitCommitMessages](https://wiki.openstack.org/wiki/GitCommitMessages)

Gerrit and Zuul Workflow

- Gerrit - <https://review.opendev.org/#/c/<ID>>
 - Example patch: <https://review.opendev.org/#/c/438328/>
- Gate Checking - <http://status.openstack.org/zuul/>

All

My

Projects

People

Documentation

Changes

Drafts

Draft Comments

Watched Changes

Starred Changes

Groups

Change 438328 - Merged

Reply...

Included in ▼ Patch Sets (15/15) ▼ Download ▼ ☆

[Install] Document Nova cells and placement API

With the Ocata release, Nova requires a basic cell_v2 setup and the Placement API service.

Change-Id: I3ad1a53ea072f79cbc356248b0b800ddaabd5038

Closes-Bug: #1663485

Closes-Bug: #1669163

Owner

Brian Moss

Reviewers

Alexandra Settle

Amy Marrich (spotz)

Jenkins

Jens Rosenboom

Lana Brindley

Nicolas Bock

caoyuan

Add...

Alexander Chadin

Chris Dent

D G Lee

Darren Chan

Jay Pipes

John Garbutt

Matt Riedemann

Olena Logvinova

Oliver Walsh

Petr Kovar

Roger Luethi

Sean McGinnis

chen.xing

melanie witt

Project

openstack/openstack-manuals

Branch

master

Topic

bug/1663485

Updated

2 days ago

Cherry Pick

Revert

Author

Brian Moss <kallimachos@gmail.com>

Feb 21, 2017 1:05 AM

Committer

Brian Moss <kallimachos@gmail.com>

Mar 21, 2017 8:26 PM

Commit

d6a9c104454fb5628a05df1a9342f0e27e785195

(gitweb)

Parent(s)

ae04134649856a6fe64c8cfc13aa036885abad8d

(gitweb)

Change-Id

I3ad1a53ea072f79cbc356248b0b800ddaabd5038

Code-Review

+2

Alexandra Settle

Lana Brindley

+1

Amy Marrich (spotz)

Jens Rosenboom

Nicolas Bock

caoyuan

Verified

+2

Jenkins

Workflow

+1

Alexandra Settle

Jenkins check

Mar 21 8:36 PM

gate-openstack-manuals-tox-checkniceness-ubuntu-xenial

SUCCESS in 3m 07s

gate-openstack-manuals-tox-doc-publish-checkbuild

SUCCESS in 7m 23s

Jenkins gate

Mar 22 7:17 AM

gate-openstack-manuals-tox-checkniceness-ubuntu-xenial

SUCCESS in 3m 41s

gate-openstack-manuals-tox-doc-publish-checkbuild

SUCCESS in 7m 25s

Files

Open All

Diff against: Base

File Path

Comments

Size

Commit Message

doc/common/get-started-compute.rst

4

doc/install-guide/source/environment-security.rst

2

doc/install-guide/source/nova-compute-install.rst

61

doc/install-guide/source/nova-controller-install.rst

198

doc/install-guide/source/nova-verify.rst

57

+287, -35

History

Expand All

Brian Moss

Uploaded patch set 1.

Feb 27 12:03 AM

Brian Moss

Patch Set 1: Workflow-1

Feb 27 12:03 AM

Alexandra Settle

Patch Set 1:

Feb 27 6:33 AM ↩

(2 comments)

Minor stuff :) But you're still WIP.

doc/install-guide/source/nova-controller-install.rst

Line 498: ``nova_cell0``

Line 523: woah this is hard to read

Amy Marrich (spotz)

Patch Set 1:

Feb 27 4:36 PM ↩

(3 comments)

added a few notes from an install I have in progress

doc/install-guide/source/nova-compute-install.rst

Line 470: also mention list_cells to verify

nova-manage cell_v2 list_cells

Zuul Status

Status

Zuul

Rechecks

Reviews

Bugday

OpenStack-Health

Zuul Status

Zuul is a pipeline oriented project gating and automation system. Each of the sections below is a separate pipeline configured to automate some portion of the testing or operation of the OpenStack project. For more information, please see [the Zuul reference manual](#).

Queue lengths: 0 events, 0 results. Filters: Expand by default: ☐

check

(194)

gate

(13)

post

(107)

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

Change queue: **integrated**

● openstack/nova 304714,2 0 min 2 hr 2 min

● openstack/nova 282442,22 0 min 1 hr 59 min

● openstack/nova 282442,22

● openstack/nova 281945,30 0 min 1 hr 58 min

● openstack/manila 305189,2 4 min 1 hr 54 min

● openstack/nova 305079,3 14 min 1 hr 50 min

Change queue: **openstack/manila**

● openstack/manila 305189,2 4 min 1 hr 54 min

Change queue: **integrated**

● openstack/nova 305079,3 14 min 1 hr 50 min

Change queue: **openstack/neutron**

Changes that have been approved by core developers are enqueued in order in this pipeline, and if they pass tests in Jenkins, will be merged.

Change queue: **integrated**

● openstack/nova 305204,2 16 min 1 hr 44 min

● openstack/nova 301213,3 16 min 1 hr 18 min

● openstack/horizon 304805,2 39 min 1 hr 18 min

● openstack/neutron 305605,1 39 min 57 min

● openstack/neutron 274023,10 39 min 49 min

● openstack/neutron 303563,2 39 min 44 min

Change queue: **openstack/fuel-web**

● openstack/fuel-web 304438,4 3 min 13 min

This pipeline runs jobs that operate after each change is merged.

Change queue: **openstack/kolla**

● openstack/kolla 17916f2 unknown 3 hr 48 min

Change queue: **openstack/python-tripleoclient**

● openstack/python-tripleoclient 092adcc unknown 3 hr 35 min

Change queue: **openstack/tripleo-heat-templates**

● openstack/tripleo-heat-templates 2b15978 unknown 3 hr 34 min

Change queue: **openstack/openstack-ansible**

● openstack/openstack-ansible dbe6808 unknown 3 hr 34 min

Change queue: **openstack-infra/project-config**

● openstack-infra/project-config 27025c6 unknown 3 hr 34 min

Change queue: **openstack/aodh**

● openstack/aodh 3b030c4 unknown 3 hr 32 min

Additional Exercises

Edit a Patch

Edit File

```
$ git add filename
```

```
$ git commit -a --amend
```

```
$ git review
```

Create a Patch Dependency and Rebase

```
git pull origin master
```

(updates your local version of the master branch)

```
$ git checkout <your_branch>
```

```
$ git rebase -i master
```

```
$ git rebase --continue
```


Help and Resources

Where to Find Help

- IRC
 - <https://wiki.openstack.org/wiki/IRC>
 - <https://docs.openstack.org/contributors/common/irc.html>
- Mail Lists - https://wiki.openstack.org/wiki/Mailing_Lists

Reference Materials

- Contributors Guide
 - <https://docs.openstack.org/contributors/code-and-documentation/index.html>
- First Time Contributors QuickStart Guide
 - <https://docs.openstack.org/doc-contrib-guide/quickstart/first-timers.html>
- Documentation Bugs
 - <http://docs.openstack.org/contributor-guide/doc-bugs.html>
- Learn The Gerrit Workflow in the Sandbox
 - <http://docs.openstack.org/infra/manual/sandbox.html>

Reference Materials

- Commit Messages - <https://wiki.openstack.org/wiki/GitCommitMessages>
- Testing - <https://wiki.openstack.org/wiki/Testing>
- Setup and Learn Git - <https://docs.openstack.org/contributors/common/git.html>

Q&A

Thank you for your
time



openstack



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