

Open Source

Tools, Techniques, Best Practices



Elizabeth K. Joseph
DevPulseCon 2018

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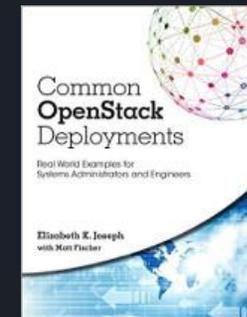


Developer Advocate at Mesosphere

4 years working on CI/CD for OpenStack

10+ years in Linux systems administration and engineering roles

Author of [The Official Ubuntu Book](#) and [Common OpenStack Deployments](#)



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lyz@princessleia.com

Tools

Open Source projects collaborate online and often have participants from around the world.

Mailing Lists: Mailman

ubuntu-users -- Ubuntu user technical support, not for general discussions

About ubuntu-users

View this page in
English (USA) ▼

This list is for Ubuntu user technical support. This is not a place for general discussions. For more information and guidelines please see the FAQ - <https://wiki.ubuntu.com/UbuntuUsersListFAQ>

To see the collection of prior postings to the list, visit the [ubuntu-users Archives](#).

Using ubuntu-users

To post a message to all the list members, send email to ubuntu-users@lists.ubuntu.com.

You can subscribe to the list, or change your existing subscription, in the sections below.

Subscribing to ubuntu-users

Subscribe to ubuntu-users by filling out the following form. You will be sent email requesting confirmation, to prevent others from gratuitously subscribing you. This is a hidden list, which means that the list of members is available only to the list administrator.

Your email address:

Your name (optional):

You may enter a privacy password below. This provides only mild security, but should prevent others from messing with your subscription. **Do not use a valuable password** as it will occasionally be emailed back to you in cleartext.

If you choose not to enter a password, one will be automatically generated for you, and it will be sent to you once you've confirmed your subscription. You can always request a mail-back of your password when you edit your personal options.

Pick a password:

Reenter password to confirm:

Which language do you prefer to display your messages? English (USA) ▼

Would you like to receive list mail batched in a daily digest? No Yes

Subscribe

Mailing Lists: Google Groups

Google groups    

Groups [NEW TOPIC](#)  [Mark all as read](#) [Actions](#) [Filters](#)  

My groups [Home](#) [My discussions](#) [Starred](#)

▼ Favorites

Click on a group's star icon to add it to your favorites

▼ Recently viewed

- Kubernetes
- DC/OS Communit...
- Day 2 Ops Worki...
- users**

▼ Recent searches

- examples 1.10 (in...
- judith (in commun...
- examples (in com...
- examples 1.10 (in...
- example 1.10 (in ...

USERS Shared publicly

30 of 1288 topics (99+ unread) ☆  [Manage](#) · [Members](#) · [About](#) 

This group does not have a welcome message.

[Add welcome message](#)

<input type="checkbox"/>	 Java 10, Docker and DC/OS/Marathon. (6) By John Smith - 6 posts - 1 view	9:50 AM
<input type="checkbox"/>	 Introducing NexCloud for DC/OS dashboard (2) By jinnykim - 2 posts - 10 views	1:19 AM
<input type="checkbox"/>	 Mesosphere DC/OS 1.11.1 is here (1) By Judith Malnick - 1 post - 5 views	Apr 17
<input type="checkbox"/>	 High cpu usage on 1 master (18) By John Smith - 18 posts - 11 views	Apr 17
<input type="checkbox"/>	 MOUNT Nodes and Kubernetes (5) By fergal k - 5 posts - 4 views	Apr 17
<input type="checkbox"/>	 Kubernetes failed to retrieve 'cluster.name' (5) Completed By dcar - 5 posts - 4 views	Apr 17
<input type="checkbox"/>	 DC/OS 1.11 Web Interface failures (30) By daniel....@cambridgeconsultants.com - 30 posts - 44 views	Apr 17
<input type="checkbox"/>	 Add custom role to mesos cluster (5) By Zbigniew Olech - 5 posts - 0 views	Apr 16

Chat: IRC

Conversation Options Send To

#ubuntu x #openstack-infra x

#openstack-infra
Discussion of OpenStack Developer and Community Infrastructure | docs <http://docs.openstack.org/infra/> | bugs <https://storyboard.openstack.org/> | source <https://git.openstack.org/cgit/openstack-infra/> | channel logs <http://eavesdrop.openstack.org/irclogs/...>

423 people in room

(01:54:10 PM) **The topic for #openstack-infra is: Discussion of OpenStack Developer and Community Infrastructure | docs <http://docs.openstack.org/infra/> | bugs <https://storyboard.openstack.org/> | source <https://git.openstack.org/cgit/openstack-infra/> | channel logs <http://eavesdrop.openstack.org/irclogs/%23openstack-infra/>**

(01:54:10 PM) **Topic for #openstack-infra set by openstack!~openstack@openstack/openstack at 10:40:04 AM on 04/01/2018**

(01:55:21 PM) **dbecker left the room (quit: Ping timeout: 240 seconds).**

(01:55:26 PM) clarkb: if this ansible install works I'm going to do the vos release

(01:55:38 PM) clarkb: I have successfully updated pip to pip 10 in my venv

(01:55:49 PM) ianw: clarkb: i've always just gone for it 😊

(01:56:20 PM) armaan [~armaan@119.42.159.230] entered the room.

(01:56:30 PM) openstackgerrit: Merged openstack-infra/storyboard master: Use charset=utf8mb4 in pymysql DBURIs <https://review.openstack.org/557498>

(01:57:21 PM) ianw: pabelanger: i'm guessing no further thoughts on <https://review.openstack.org/#/c/562004/>? i dumped a bunch of info in there, but still has me stumped

(01:58:28 PM) clarkb: ansible successfully installed. I'm going to do the vos release now then when that is done remove my bandersnatch lock

(01:59:15 PM) **dave-mccowan left the room (quit: Quit: My MacBook has gone to sleep. ZZZzzz...).**

(02:00:59 PM) clarkb: the human readable package index pages are a nice fix too. But looks like we'll only generate those for packages when they update

(02:02:24 PM) ianw: clarkb: does that increase the size?

(02:02:37 PM) pabelanger: ianw: yah, same. I have no idea why that affected glean

(02:02:56 PM) clarkb: ianw: <http://mirror.la1.citycloud.openstack.org/pypi/simple/tf-nightly/> vs <http://mirror.dfw.rax.openstack.org/pypi/simple/pip/> just some new
 or <p> tags I expect

(02:02:57 PM) pabelanger: I am guessing we'll want to spend a bunch of time trying to break glean and see if we need to change anything

(02:03:00 PM) clarkb: ianw: probably not much bigger

(02:03:23 PM) clarkb: I should've added a -v to the vos release. Oh well

(02:05:56 PM) **ernst left the room (quit: Remote host closed the connection).**

(02:06:59 PM) ianw: clarkb: oh ok, not bundling angular 😊

(02:08:00 PM) slaweq [~slaweq@213-5-41-117.bestgo.pl] entered the room.

(02:08:18 PM) clarkb: corvus: vos release is typically very quiet I take it?

(02:08:20 PM) **mrtenio left the room (quit: Quit: Leaving).**

ChanServ
openstack
openstackstatus
adam_g
admcleod_
adreznec
Adri2000
adrianreza
adriant
aeng
afazekas
agopi
AJaeger
ajo
alex_xu
aluria
ameade
amito
amoralej| off
amotoki
andrea
andreykurilin
andvmccr

Chat: Slack

The screenshot displays a Slack workspace interface. On the left is a sidebar with a list of channels under the heading "DC/OS Commu...". The "# general" channel is selected and highlighted. The main area shows a chat history for "#general" with 5,802 members and 3 stars. The chat contains several messages:

- 1:49 AM: A message saying "tried to make it as simple as possible!" with 27 replies.
- 2:28 AM: A message asking for further information about running `dcos node --json` and displaying 'unreserved_resources'.
- 3:02 AM: A message stating "joined #general along with Sanjeeb."
- 3:46 AM: A message asking "can i upgrade from 1.10.1 to 1.11.0 or do i have to upgrade to 1.10.5 first?"
- 6:32 AM: A message stating "joined #general."
- 11:45 AM: A message recommending to upgrade 1.10.5 first prior to upgrading to 1.11.0.
- 12:25 PM: A message asking if the dcos cli has a way of updating the config of an installed package, followed by an example: "for example, have kafka running, but rather than having to modify some config via the UI, I would prefer to use the CLI and just pass an updated config file".
- 12:25 PM: A follow-up message: "ah nm, found it".
- 12:45 PM: A message providing a command: `err, for future reference, the dcos-common packages have a dcos <package> update start -- options=<file.json>`.

At the bottom, there is a message input field with a plus icon on the left and @ and smiley icons on the right. On the right side of the chat, there is an "About #general" panel showing channel details, highlights, pinned items, and a list of 5,802 members including Aamir, Aaron Mitti, abhat, aclemmer, addisonj, amollenkopf, amr.mesosphere, andrewm, andy, and anthonype.

Revision Control

Most open source projects today use a type of revision control to manage their code. It provides code history and eases collaboration.

- Git
- Bzr (Bazaar)
- SVN (Subversion)
- Mercurial

These are typically hosted on a code platform where the users collaborate.

Revision Control Platforms: Git on GitHub

The screenshot shows the GitHub interface for the repository `dcos / dcos`. The repository has 107 watchers, 1,940 stars, and 390 forks. It features 121 pull requests, 0 projects, and settings. The repository is described as "DC/OS - The Datacenter Operating System" with a link to <https://dcos.io>. It includes tags for `dcos`, `mesos`, `python`, `package-manager`, `marathon`, and `mesos-dns`. The repository statistics show 3,730 commits, 9 branches, 47 releases, 114 contributors, and an Apache-2.0 license. The current branch is `master`. A recent commit by `adamtheturtle` is highlighted, with a commit message: "Use `pip download` to prepare TeamCity rather than the removed `pip i...`". Below the commit list, several folders are shown with their respective commit messages and dates:

Folder	Commit Message	Time Ago
<code>.github</code>	CODEOWNERS for dcos/dcos repo.	5 months ago
<code>cloud_images</code>	echo script names	3 months ago
<code>config</code>	Refactor AWS session in gen	3 months ago
<code>dcos_installer</code>	windows-based pkgpanda builds	23 days ago
<code>docs</code>	windows-based pkgpanda builds	23 days ago
<code>flake8_dcos_lint</code>	Pin flake8 version to 3.3.0.	9 months ago
<code>gen</code>	Merge #2662	16 days ago

Revision Control Platforms: Git on cggit


openstack index : openstack-infra/system-config

 master ▾ switch

System configuration for OpenStack Infrastructure

[summary](#)
[refs](#)
[log](#)
[tree](#)
[commit](#)
[diff](#)

 log msg ▾ search

Mode	Name	Size	
-rw-r--r--	.gitignore	251	log plain
-rw-r--r--	.gitreview	88	log plain
-rw-r--r--	Gemfile	260	log plain
-rw-r--r--	README.md	769	log plain
-rw-r--r--	Rakefile	429	log plain
-rw-r--r--	bindep.txt	111	log plain
d-----	doc / source	33	log plain
d-----	hiera	71	log plain
-rwxr-xr-x	install_modules.sh	4522	log plain
-rwxr-xr-x	install_puppet.sh	11926	log plain
d-----	launch	186	log plain
-rw-r--r--	make_swap.sh	2872	log plain
d-----	manifests	35	log plain
-rw-r--r--	modules.env	12146	log plain
d-----	modules / openstack_project	44	log plain
-rw-r--r--	mount_volume.sh	1559	log plain
d-----	playbooks	844	log plain
-rw-r--r--	roles.yaml	226	log plain
-rwxr-xr-x	run_all.sh	1850	log plain
-rwxr-xr-x	run_bifrost.sh	1106	log plain

Revision Control Platforms: Bzr on Launchpad

[← Back to branch summary](#)

~xubuntu-team/xubuntu-marketing/current

Changes **Files**

~xubuntu-team/xubuntu-marketing/current : / (revision 9)

[view revision](#) [view branch changes](#)

Committer: Pasi Lallinaho

Date: 2018-02-21 12:02:59 UTC

Revision ID: pasi@shimmerproject.org-20180221120259-2zff934yf15hbdqy

Add wallpapers from 17.10 and 18.04

Optimize wallpaper PNG files

Filename	Latest Rev	Last Changed	Size		
 flyer	1	2015-08-22 00:05:03 UTC			
 linuxidentity_2013	6	2017-05-07 17:35:23 UTC			
 logo	4	2017-05-06 09:09:06 UTC			
 slides_template	3	2017-05-06 09:06:38 UTC			
 wallpapers	7	2017-05-07 17:44:59 UTC			
 .bzrignore	2	2015-09-29 10:41:27 UTC	12 bytes		

Loggerhead is a web-based interface for Bazaar branches

Version: 1.18.2, Revision: 18617

Bug Tracking

- Bugzilla
- GitHub Issues
- GitLab Issues
- Launchpad Bugs
- Jira
- ...dozens more

Bug Tracking: Issues on GitLab

The screenshot shows the GitLab interface for an issue in the 'open-source-infra-site' project. The issue is titled 'cert error for www.openinfra.org' and was opened a month ago by 'D. Joe'. The issue description details a certificate mismatch error on the website. The right sidebar shows various issue attributes, all currently set to 'None' or 'No estimate or time spent'.

GitLab Projects Groups Snippets Help This project Search Sign in / Register

open-source-infra-site

Elizabeth K. Joseph > open-source-infra-site > Issues > #1

Open Opened a month ago by D. Joe Report abuse New issue

cert error for www.openinfra.org

Server answers to www via https, but cert supplied is for non-www site.

Source of link:

```
<https://allthingsopen.org/speakers/elizabeth-joseph/>
```

Leads to certificate mismatch error

```
> www.opensourceinfra.org uses an invalid security certificate. The certificate is only valid for open
```

when arriving at

```
<https://www.opensourceinfra.org/>
```

The site

```
<https://opensourceinfra.org/>
```

is just fine.

Assignee: No assignee

Milestone: None

Time tracking: No estimate or time spent

Due date: No due date

Labels: None

Weight: None

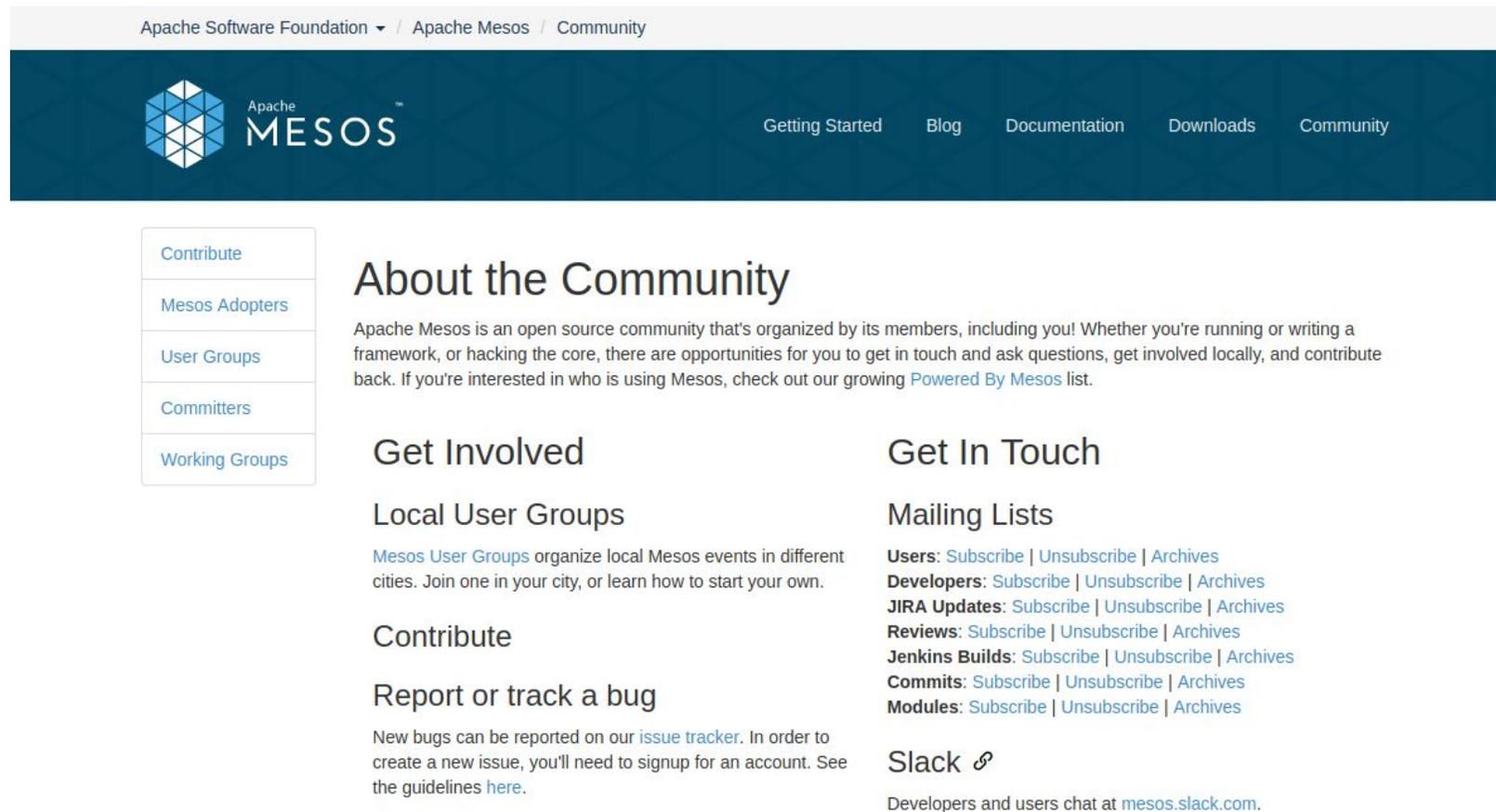
Confidentiality: Not confidential

Lock issue: Unlocked

Techniques

Getting Started

Look for a section on the site related to “Getting Involved” “Contribute” or “Community”



The screenshot shows the Apache Mesos Community page. At the top, there is a breadcrumb trail: Apache Software Foundation / Apache Mesos / Community. Below this is a dark blue header with the Apache Mesos logo on the left and navigation links for Getting Started, Blog, Documentation, Downloads, and Community on the right. On the left side of the main content area, there is a vertical menu with links for Contribute, Mesos Adopters, User Groups, Committers, and Working Groups. The main content area features a large heading "About the Community" followed by a paragraph describing the open source community. Below this, there are two columns of content. The left column has sections for "Get Involved" and "Local User Groups", with a sub-section for "Contribute" and "Report or track a bug". The right column has sections for "Get In Touch" and "Mailing Lists", with a sub-section for "Slack".

Apache Software Foundation / Apache Mesos / Community

Apache MESOS

Getting Started | Blog | Documentation | Downloads | Community

Contribute

Mesos Adopters

User Groups

Committers

Working Groups

About the Community

Apache Mesos is an open source community that's organized by its members, including you! Whether you're running or writing a framework, or hacking the core, there are opportunities for you to get in touch and ask questions, get involved locally, and contribute back. If you're interested in who is using Mesos, check out our growing [Powered By Mesos](#) list.

Get Involved

Local User Groups

[Mesos User Groups](#) organize local Mesos events in different cities. Join one in your city, or learn how to start your own.

Contribute

Report or track a bug

New bugs can be reported on our [issue tracker](#). In order to create a new issue, you'll need to signup for an account. See the [guidelines here](#).

Get In Touch

Mailing Lists

Users: [Subscribe](#) | [Unsubscribe](#) | [Archives](#)
Developers: [Subscribe](#) | [Unsubscribe](#) | [Archives](#)
JIRA Updates: [Subscribe](#) | [Unsubscribe](#) | [Archives](#)
Reviews: [Subscribe](#) | [Unsubscribe](#) | [Archives](#)
Jenkins Builds: [Subscribe](#) | [Unsubscribe](#) | [Archives](#)
Commits: [Subscribe](#) | [Unsubscribe](#) | [Archives](#)
Modules: [Subscribe](#) | [Unsubscribe](#) | [Archives](#)

Slack

Developers and users chat at mesos.slack.com.

Etiquette

Follow the rules in place for contributions.

Be polite and act professionally.

Provide timely and clear responses to contributions.

Follow the Code of Conduct or etiquette guides the project has published.

Patience

People have varying degrees of participation time available for the project, exercise patience when working with them. Friendly follow-ups are OK.

When you're new to a community, it's common to be corrected when you make a community faux pas, accept this correction with grace.

Licenses

Licenses are incredibly important in the open source world, basic understanding is key and not running afoul of the rules in your is important.

Most acceptable to companies: Apache, MIT, BSD

Sadly, often less acceptable: GPL, AGPL

Ask your boss or legal team.

The language of open source

“What’s a pull request?”

Just like you do in your industry and in your technical specialization, open source communities have their own terms and words.

Do a quick Google search. Ask questions.

Best Practices

Identity: What email address to use

Are you participating as an employee or as a hobbyist?

Do you want your hobby open source work mixed with what you do for work?

Are you interested in an open source presence that outlives your current company?

Are you permitted to use a non-company email address for contributions you do for work?

```
{  
  "launchpad_id": "lyz",  
  "companies": [  
    {  
      "company_name": "HP",  
      "end_date": "2015-0ct-31"  
    },  
    {  
      "company_name": "HPE",  
      "end_date": "2016-0ct-28"  
    },  
    {  
      "company_name": "*independent",  
      "end_date": null  
    }  
  ],  
  "user name": "Elizabeth K. Joseph",  
  "emails": ["lyz@princessleia.com", "lyz@ubuntu.com"]  
}
```

Writing a good bug report

Give enough detail so that the person reading the bug is able to reproduce your problem, including:

- Version of the software you're using
- Step by step explanation of what you did that resulted in the problem
- The outcome you expected, versus what happened

Get to know the community

Join chat.

Join the the mailing lists.

Participate in project meetings.

Help in the support outlets the project has.

Meet other project members at Meetups and conferences.

Questions?

Elizabeth K. Joseph

lyz@princessleia.com

Twitter: @pleia2