

# OpenStack Communication Tools

---

SPONSORED BY THE WOMEN OF OPENSTACK

A solid red horizontal bar spanning the width of the slide at the bottom.

# Outline

---

Introductions

Website

Wiki

Etherpad

Mailing Lists

IRC

Social Media

YouTube

# Introductions

---

Aimee Ukasick



Courtney Ferry



Amy Marrich



Shawn Ferry



# The OpenStack Site



Q SEARCH

SOFTWARE ▾

USERS ▾

COMMUNITY ▾

MARKETPLACE

EVENTS ▾

LEARN ▾

DOCS

JOIN ▾

LOG IN

## Welcome to OpenStack Documentation

**What is OpenStack?** OpenStack is a cloud operating system that controls large pools of compute, storage, and networking resources throughout a datacenter, all managed through a dashboard that gives administrators control while empowering their users to provision resources through a web interface.

### What Are The Next Steps?

View The Docs ↕

Get OpenStack ↕

Get Training ↕



Jesse Proudman  
OpenStack Operator

# Software

---

## Software

OVERVIEW

PROJECT NAVIGATOR

SAMPLE CONFIGURATIONS

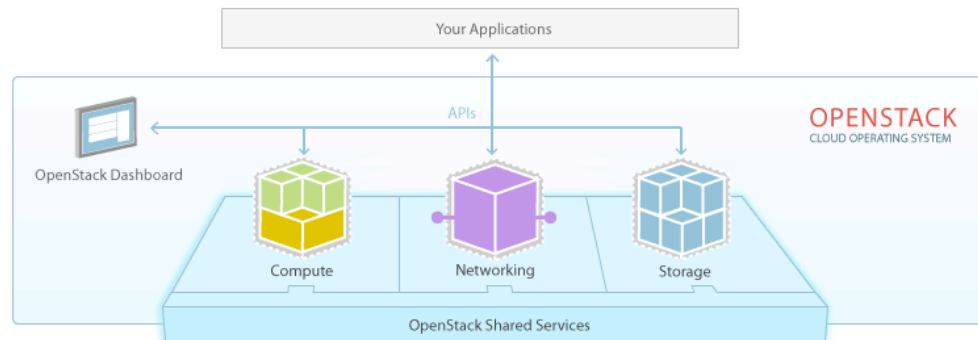
GET STARTED

ROADMAP

LATEST RELEASE

SOURCE CODE

### What is OpenStack?



# Software

---

The software section covers all things related to the OpenStack software at a high level

- Get an overview of how OpenStack works
- Learn what projects are out there and more detailed information about them
- See sample configurations of how OpenStack can be used in different industries and situations
- Learn how to get started using OpenStack
- See where OpenStack is going
- Learn about the latest release
- See where the projects are in relation to the latest release

# Users

See who is using OpenStack and read their stories








[NFV](#)[Enterprise Booklet](#)[Automotive](#)[Virtualization Integration](#)[Workload portability](#)

## OpenStack Users By Industry

Would you like to be listed here?

[Add Your Company](#)[Web / SaaS/ eCommerce \(19\)](#)[Academic / Research / Government \(68\)](#)[Information Technology \(127\)](#)[Healthcare \(4\)](#)[Cloud Hosting / MSP / Telco \(23\)](#)[Film / Media / Gaming \(11\)](#)[Manufacturing/Industrial \(4\)](#)[Retail \(3\)](#)[Finance \(3\)](#)[Other \(1\)](#)

### Web / SaaS/ eCommerce

Name	Country	Type	Case Study	Video
Yahoo	US	On-Premises Private Cloud		
Cisco WebEx	US	On-Premises Private Cloud	 <a href="#">Case Study</a>	 <a href="#">Video</a>
Despegar.com	AR	On-Premises Private Cloud	 <a href="#">Case Study</a>	
Giant Interactive Group,INC.	CN	Hosted Private Cloud		
Hillstone	CN	Hosted Private Cloud		
HubSpot	US	Hybrid Cloud	 <a href="#">Case Study</a>	 <a href="#">Video</a>
Mercadolibre	AR	Hosted Private Cloud	 <a href="#">Case Study</a>	 <a href="#">Video</a>

# Community

---

## Welcome Guide

Welcome to OpenStack! For a great place to get started, Download the [OpenStack Welcome Guide](#) (PDF File)

## Events & Jobs

Come see us at an OpenStack event or even [find a job](#) working on OpenStack

## Supporting Companies

There are many innovative companies supporting OpenStack. Learn more about how you can help.

## OpenStack Code

OpenStack source code is available. You can [contribute code](#), [documentation](#), [translations](#), [report bugs](#) and [vulnerabilities](#).

---

**Developers In Action:** jenkins recently made a contribution to **Mistral** r1362

---

## Got Questions?

- Ask questions and search for answers
- Join the General mailing list [Register](#) | [Archives](#)
- Participate in chats on IRC [#openstack](#)
- More OpenStack IRC channels

## Mailing Lists

- Announcements [Register](#) | [Archives](#)
- Operators [Register](#) | [Archives](#)
- Development [Register](#) | [Archives](#)
- OpenStack en español [Info](#)
- Discussioni in italiano [Info](#)
- [Lista de discusión en francés en francés Info](#)

## OpenStack Worldwide Meetup Groups





# Community

---

OpenStack is a Community and there are many ways in to contribute.

- Coding
- Documentation
- Company Sponsorship
- Employment Opportunities

# Marketplace

---

OpenStack  
Marketplace



TRAINING



DISTROS &  
APPLIANCES



PUBLIC  
CLOUDS



HOSTED  
PRIVATE CLOUDS



CONSULTING &  
INTEGRATORS



DRIVERS

BETA

CHECK OUT THE NEW  
Community App Catalog

Find cloud apps to run on OpenStack



**The OpenStack Marketplace** will help you make an informed decision, whether you're building a cloud, looking to use one by the hour, or pursuing a hybrid model.

Building a cloud

Using a cloud

openstack.org

# Marketplace

---

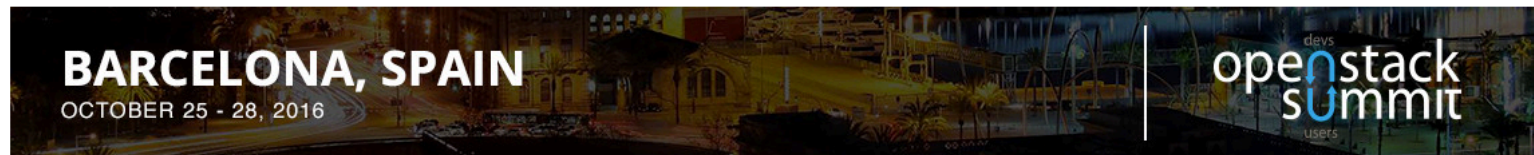
See what's available from a number of different topics including:

- Training
- Distributions and Appliances
- Public Clouds
- Private Clouds
- Consultants
- Drivers

# Events

---

## OpenStack Event Listing



### Upcoming Events

All (58) Enterprise (2) Meetups (48) OpenStack Days (6) Summit (2)

Oct 13 - 14, 2016

**Managing OpenStack with Python**  
San Antonio, TX, US

Oct 14, 2016

**Metrics Analytics for OpenStack Environment...**  
Palo Alto, CA, US

Oct 14, 2016

**OpenStack Projects**  
Lagos, NG

Oct 19 - 20, 2016

**Overview of the Newest OpenStack Release/ ...**  
TBA, NY, US

### Upcoming Summits

Oct 25 - 28, 2016

**OpenStack Summit Barcelona**  
Barcelona, Spain

May 08 - 12, 2017

**OpenStack Summit Boston**  
Boston

### Recent OpenStack Summits & Conferences

Apr 25 - 29, 2016

**OpenStack Summit Austin, April 2016**  
Austin, Texas, US

# Events

---

Find out about upcoming OpenStack Related events

- Meetups
- Summit
- Hackathons

# Training



## Training

Find online and location specific trainings for all levels of expertise from the OpenStack Marketplace.

[GO TO TRAINING >](#)



## Get Certified

Register for the CDA exam, the first professional certification offered by the OpenStack Foundation.

[GO TO CDA >](#)



## Superuser Magazine

With topics ranging from how-tos, case studies, organizational culture and more, this publication will give you the tools needed to become a Superuser.

[GO TO SUPERUSER >](#)



## Ask OpenStack

Dig deep into the the world of OpenStack through the eyes of those who operate and develop OpenStack. Ask, find and answer OpenStack specific questions here.

[GO TO ASK OPENSTACK >](#)



## Summit Videos

Did you know almost every session at an OpenStack Summit is recorded and shared for the world to see? They are and you can find them here!

[GO TO SUMMIT VIDEOS >](#)



## Analyst Reports

Find the latest research and insights from leading technology analysts on the power of OpenStack's cloud services.

[GO TO ANALYST REPORTS >](#)



## Blog

The OpenStack blog is an ever-changing wealth of information, highlighting everything from technical committee updates to events and weekly community newsletters.

[GO TO THE BLOG >](#)



## News

Read about the latest happenings in the OpenStack ecosystem. The news section features news from around the community and the OpenStack Foundation.

[GO TO THE NEWS PAGE >](#)

# Docs

---

## Welcome to OpenStack Documentation

**What is OpenStack?** OpenStack is a cloud operating system that controls large pools of compute, storage, and networking resources throughout a datacenter, all managed through a dashboard that gives administrators control while empowering their users to provision resources through a web interface.

### What Are The Next Steps?

[View The Docs](#) ↗[Get OpenStack](#) ↗[Get Training](#) ↗

Narayan Desai  
**OpenStack Operator**

## Documentation for Newton (October 2016)

This is the latest release. Use the menu to select a prior release if needed.

[More Releases & Languages](#) ▼

# Docs – Release Notes

---

## **Release Notes**

New features, upgrade and deprecation notes, known issues, and bug fixes

[OpenStack Projects Release Notes](#)

[OpenStack Documentation Release Notes](#)



# Docs – Installation Guides

---



## **Installation Tutorials And Guides**

Getting started with the most commonly used OpenStack services

### Installation Tutorials and Guides

- Installation Guides are separated out by OS version and cover Suse, Ubuntu and RedHat
- They cover both Core services which include Compute, Network, Image and Flavor as well as Optional services such as Dashboard, Orchestration and Block Storage

# Docs – Operations and Administration Guides

---



## Operations And Administration Guides

### Administrator Guide

Manage and troubleshoot an OpenStack cloud

### High Availability Guide

Install and configure OpenStack for high availability

### Operations Guide

Design, create, and administer a production OpenStack cloud

### Security Guide

Guidelines and scenarios for creating more secure OpenStack clouds

### Virtual Machine Image Guide

Obtain, create, and modify OpenStack-compatible virtual machine images

### Architecture Design Guide

Guidelines for designing an OpenStack cloud

### Networking Guide

Deploy and manage OpenStack Networking (neutron)

# Docs - User Guides

---

## **User Guides**

### End User Guide (includes Python SDK)

Create and manage resources using the OpenStack dashboard, command-line client, and Python SDK

### Command-Line Interface Reference

Comprehensive OpenStack command-line reference

### Open source software for application development

Resources for application development on OpenStack clouds

# Docs – Project-specific Guides

---



## **Project-specific Guides**

### Services and Libraries

Documentation for OpenStack services and libraries

### Language Bindings and Python Clients

Documentation for the OpenStack Python bindings and clients

# Docs – Project-specific Guides

---

Under ‘Services and Libraries’ you will find documentation for each of the individual Projects.

In addition you will find some more specific Projects in regards to the following areas

- Bare Metal
- Networking
- Deployment
- Contributor Tools
- Related Projects

Also available is documentation on how to use libraries such as `keystoneauth` and `oslo.config`

# Docs – Contributor Guides

---

## Contributor Guides

### [OpenStack Documentation Contributor Guide](#)

Documentation workflow and conventions

### [OpenStack Technical Committee Governance Documents](#)

OpenStack Technical Committee reference documents and official resolutions

### [OpenStack Project specifications](#)

Specifications for future project features

### [OpenStack Project Team Guide](#)

Guide to the OpenStack project and community

### [OpenStack Developer and Community Infrastructure Documentation](#)

Development and infrastructure documentation

### [OpenStack I18n Guide](#)

Internationalization workflow and conventions

### [Join the OpenStack Foundation](#)

How to join the OpenStack Foundation

### [Take the Deployment Survey](#)

Influence the future of OpenStack

# Docs – Training Guides and Training Labs

---



## **Training Guides And Training Labs**

### Upstream training

Resources for the OpenStack Upstream Training program

### Training Labs

Tools for OpenStack Training. Automatic deployment of lean virtualized multi-node openstack cluster.

# The OpenStack Wiki

- [wiki.openstack.org](http://wiki.openstack.org)
  - Probably the single most important site for developers
-





The OpenStack Mission: to produce the ubiquitous Open Source Cloud Computing platform that will meet the needs of public and private clouds regardless of size, by being simple to implement and massively scalable.

OpenStack is [open source](#), [openly designed](#), [openly developed](#) by an [open community](#).

## Get started

- Download [releases](#) and read release notes
- Read official [documentation](#)
- [Ask us questions on Ask OpenStack](#)
- Talk to us on our [IRC channels](#)
- Join the conversation on our [Mailing Lists](#)
- Learn about [Security](#) in OpenStack
- Get the [source code](#)
- Give OpenStack [a trial run](#)
- Watch [demo videos](#)
- Go back to [main OpenStack website](#)

## Contribute to OpenStack

- [How To Contribute](#)
- Learn about [Release Management](#)
- See the [current release cycle schedule](#)
- [How to submit changes](#)
- [Code reviews \(Gerrit\)](#)
- [Guidelines for code reviewers](#)
- [Gate system status \(Zuul\)](#)
- [How to use Launchpad Bugs and Blueprints](#)

## Join the Community

- [Learn the OpenStack Way](#)
- [Governance](#) - How OpenStack is governed
- Explore the [Technical Committee documents](#)
- [Online Meetings](#)
- [Design Summits](#)
- Mid-cycle [Sprints](#)
- [OpenStack User Groups](#)
- [OpenStack Blog](#), with [weekly newsletters](#)
- [Planet OpenStack](#) - Blogs about OpenStack



OpenStack Project Teams are the building blocks to achieve OpenStack's mission. One can think of Project Teams as teams of people using tools (code repository, bug tracker, etc) and coordinated processes to produce a number of deliverables, in order to achieve a clearly stated objective.

[Browse the official list of OpenStack project teams](#).

## Links for ...Contributors

- [git.openstack.org](#) - Git repositories browser
- [review.openstack.org](#) - Code reviews
- [lists.openstack.org](#) - Mailing-lists
- [eavesdrop.openstack.org](#) - IRC logs and meetings
- [translate.openstack.org](#) - Contribute translations
- [specs.openstack.org](#) - OpenStack specs browser
- [codesearch.openstack.org](#) - Code search

## ..Infrastructure & Tools

- [stackalytics.openstack.org](#) - Contribution analytics
- [status.openstack.org](#) - Infrastructure status
- [grafana.openstack.org](#) - Infrastructure dashboards
- [graphite.openstack.org](#) - Infra metrics & graphs
- [logstash.openstack.org](#) - Search test logs with Kibana
- [etherpad.openstack.org](#) - Collaborative text editor
- [paste.openstack.org](#) - Pastebin

## ...Others

- [www.openstack.org](#) - OpenStack Foundation site
- [governance.openstack.org](#) - Technical Committee docs
- [security.openstack.org](#) - Security advisories & policies
- [docs.openstack.org](#) - Documentation
- [groups.openstack.org](#) - Find user groups
- [ask.openstack.org](#) - Q&A website
- [planet.openstack.org](#) - Blog aggregator
- [refstack.openstack.org](#) - Interoperability testing
- [apps.openstack.org](#) - App catalog

# Join the Community

---

## Join the Community

- [Learn the OpenStack Way](#)
- [Governance](#) - How OpenStack is governed
- Explore the [Technical Committee documents](#)
- [Online Meetings](#)
- [Design Summits](#)
- Mid-cycle [Sprints](#)
- [OpenStack User Groups](#)
- [OpenStack Blog](#), with [weekly newsletters](#)
- [Planet OpenStack](#) - Blogs about OpenStack

The very, very, very important OpenStack Project Team Guide provides a great overview of OpenStack development, including the oslo libraries

Brief explanation of official meetings with link to [eavesdrop.openstack.org](https://eavesdrop.openstack.org), which lists all the project IRC meeting times

Explanation of what the Design Summit is and the meeting types (Fishbowl, Work)

# Contribute to OpenStack

**Start here - covers Upstream Training and finding mentors; how to get started for developers, testers, doc writers, translators, UI designer, and Community builders**

## Contribute to OpenStack

- [How To Contribute](#)
- Learn about [Release Management](#)
- See the [current release cycle schedule](#)
- [How to submit changes](#)
- [Code reviews \(Gerrit\)](#)
- [Guidelines for code reviewers](#)
- [Gate system status \(Zuul\)](#)
- [How to use Launchpad Bugs and Blueprints](#)

**Account setup (Foundation, Launchpad), git, git-review, development workflow, get and commit code, unit testing**

**This is just a link to Gerrit, the system for reviewing code**

**Read this section!**

**Blueprints cheat sheet**

**Bugs cheat sheet**

# The Rest

- **Official list of OpenStack project teams** with links to individual project pages
  - Each project page lists the project's wiki page, PTL, IRC, Service, Mission, and Deliverables
- <http://stackalytics.com> – metrics, metrics, metrics – especially popular with bosses



OpenStack Project Teams are the building blocks to achieve OpenStack's mission. One can think of Project Teams as teams of people using tools (code repository, bug tracker, etc) and coordinated processes to produce a number of deliverables, in order to achieve a clearly stated objective.

[Browse the official list of OpenStack project teams](#).

## Links for ...Contributors

- [git.openstack.org](https://git.openstack.org) - Git repositories browser
- [review.openstack.org](https://review.openstack.org) - Code reviews
- [lists.openstack.org](https://lists.openstack.org) - Mailing-lists
- [eavesdrop.openstack.org](https://eavesdrop.openstack.org) - IRC logs and meetings
- [translate.openstack.org](https://translate.openstack.org) - Contribute translations
- [specs.openstack.org](https://specs.openstack.org) - OpenStack specs browser
- [codesearch.openstack.org](https://codesearch.openstack.org) - Code search

## ...Infrastructure & Tools

- [stackalytics.openstack.org](https://stackalytics.openstack.org) - Contribution analytics
- [status.openstack.org](https://status.openstack.org) - Infrastructure status
- [grafana.openstack.org](https://grafana.openstack.org) - Infrastructure dashboards
- [graphite.openstack.org](https://graphite.openstack.org) - Infra metrics & graphs
- [logstash.openstack.org](https://logstash.openstack.org) - Search test logs with Kibana
- [etherpad.openstack.org](https://etherpad.openstack.org) - Collaborative text editor
- [paste.openstack.org](https://paste.openstack.org) - Pastebin

## ...Others

- [www.openstack.org](https://www.openstack.org) - OpenStack Foundation site
- [governance.openstack.org](https://governance.openstack.org) - Technical Committee docs
- [security.openstack.org](https://security.openstack.org) - Security advisories & policies
- [docs.openstack.org](https://docs.openstack.org) - Documentation
- [groups.openstack.org](https://groups.openstack.org) - Find user groups
- [ask.openstack.org](https://ask.openstack.org) - Q&A website
- [planet.openstack.org](https://planet.openstack.org) - Blog aggregator
- [refstack.openstack.org](https://refstack.openstack.org) - Interoperability testing
- [apps.openstack.org](https://apps.openstack.org) - App catalog

# Etherpad

---

## Real-time shared documentation

- Meeting notes
- Document drafts
- Brainstorming

## All site visitors are “authors”

- No login required
- Each author highlighted in a unique color

## Chat section

<https://etherpad.openstack.org/>

# Etherpad

← → ↺

https://etherpad.openstack.org/p/WOS\_8\_22\_16

☆

🖥️ 🔗 ABP ! 🗨️ ☰

**B** **I** **U** **S** **Style** ⌵

1

1 **Women of OpenStack**

2 **August 22, 2016**

3 **2000 UTC**

4

5 **Dial In:** 1-203-277-8157 or 866-619-0383 **Participant:** 7217256# **Leader** 4018#

6

7 **Leader:** Courtney Ferry

8 **Previous Etherpad:** [https://etherpad.openstack.org/p/WOS\\_8\\_8\\_16](https://etherpad.openstack.org/p/WOS_8_8_16)

9

10 **Attendees:**

11 Courtney Ferry

12 Beth Cohen

13 Aimee Ukasick

14 Darla Ahlert

15 Tamara Johnston

16 Kayla Fromme

17 Emily Hugenbruch

18 Jessica Murillo

19 Amy Marrich

20

21 **Agenda:**

22

- **Roll Call - All**
- **Planning for Barcelona**
  - Monday night booth crawl: Jessica
    - Signs indicating WOO gathering area
    - Light snacks - looking to see if booth might send over trays of food, etc.
    - Specific note that this would NOT be sponsored by a corp entity
    - No WOO sponsor yet. Deadline is Sept 21 to indicate interest and commit. The cost is 10K to foundation, but also need to pay for food and venue.
    - Combined with Friendly Faces
- Speed Mentoring: Emily
  - Will be held on Tuesday morning, we'll be putting out a call for mentors probably early September
  - new ideas - lightning talks by mentors and mentees already in the program
  - separate into career and technical at Speed Mentoring breakfast
  - [https://etherpad.openstack.org/p/WOS\\_mentoring\\_12\\_3](https://etherpad.openstack.org/p/WOS_mentoring_12_3)

23

24

25

26

27

28

29

30

31

32

33

34

35

36

**Chat** -

**Amy:** deadline looks like 22:13

9/21, 10k for named sponsor of event

**unnamed:** TY 22:13

# THE OPENSTACK FOUNDATION COMMUNITY CODE OF CONDUCT

---

## Community members

### **strive to**

Be friendly, patient and welcoming

Be considerate

Be respectful

Collaborate openly

Understand disagreements

When we are unsure, we ask for help

## Serious Violations

Violent threats or language against persons

Discriminatory jokes or Language

Doxing: Posting or threatening to post personal information

Unwelcome sexual attention

Repeated harassment

Stop means Stop

# OpenStack Mailing Lists

---

## How To Subscribe

- Go to List of lists
- Click on name of list

## Generally Archived

- Review archives(google) to see if your question has been answered already

## Some Lists

- Announcements: Low traffic Read Only
- Openstack (General List): High volume, Can ask for help
- Operators: Can ask for help

## List Etiquette

- Plain Text
- 72 characters wide
- Reply inline (interleaved)
- Maintain Subject Line Short descriptive subjects
  - [list][project] Subject



# OpenStack Mailing Lists

---

## Netiquette

- Avoid cross-posting: sending to multiple lists at the same time
- Keep Discussions On-List: Always CC list, If sending to 3+ should probably use a list
- No Job postings (except on OS job board): Not on generic mailing lists
- No Review Requests: Use IRC or email an individual

# Mailing Lists & Conduct links

[https://wiki.openstack.org/wiki/Mailing\\_Lists](https://wiki.openstack.org/wiki/Mailing_Lists)

---

- (Google: OpenStack mailing lists)

<https://wiki.openstack.org/wiki/MailingListEtquete>

- (Google: OpenStack mailing list etiquette)

Full policy, reporting guidelines, complaint process, and staff response procedure

- <https://www.openstack.org/legal/community-code-of-conduct/>
- (Google: openstack code of conduct)

# Internet Relay Chat (IRC)

Group communication, private messaging, data transfer

---

Group chats called “channels”

- Permanent channels for OpenStack topics
- Temporary channels for meetings

Basic commands

- /JOIN <channels> [<keys>]
- /LIST
- /QUIT
- /INVITE <nickname> <channel>
- Many more - [https://en.wikipedia.org/wiki/List\\_of\\_Internet\\_Relay\\_Chat\\_commands](https://en.wikipedia.org/wiki/List_of_Internet_Relay_Chat_commands)

# IRC Channels

Channel name is prefixed with “#” (ie. #name)

Most channels are logged & publicly available

- (<http://eavesdrop.openstack.org/irclogs/>)

There is an OpenStack channel for almost any topic you can think of

- List @: <https://wiki.openstack.org/wiki/IRC>

IRC Channel	Description
#openstack	general discussion, support
#openstack-101	guidance for new contributors
#openstack-ansible	<a href="#">OpenStack-Ansible</a> discussions
#openstack-anvil	<a href="#">Anvil</a> discussion channel
#openstack-app-catalog	<a href="#">Community App Catalog</a> discussions
#openstack-barbican	Barbican-related team discussions
#openstack-blazar	blazar (formerly climate) team discussions
#openstack-board	OpenStack Foundation Board Meeting Back channel (mainly quiet except during meetings)

# IRC – Clients

## Web client

---

- <http://webchat.freenode.net/?channels=openstack,openstack-101>

## IRC Programs

- Linux – HexChat
- Mac – Adium, Colloquy
- Windows – HexChat, Pidgin, mIRC
- Many more
  - [https://en.wikipedia.org/wiki/Comparison\\_of\\_Internet\\_Relay\\_Chat\\_clients#Operating\\_system\\_support](https://en.wikipedia.org/wiki/Comparison_of_Internet_Relay_Chat_clients#Operating_system_support)

<http://docs.openstack.org/upstream-training/irc.html>

# OpenStack on Social Media

---

Twitter @OpenStack | Facebook @openstack | LinkedIn OpenStack

- Press releases, event news, Superuser content, external news relating to OpenStack

YouTube OpenStack Foundation channel

- Presentations from the Summits
- Release demos
- Design Series: project updates for each release
- OpenStack Days presentations
- Superuser TV

# Planet OpenStack

---

<http://planet.openstack.org/>

Collection of blogs from developers and other key players

Has a list of bloggers so you can subscribe to individual blogs

# OPENSTACK SUPERUSER

---

<http://superuser.openstack.org/>, newsletter, and mobile app

Online publication for knowledge sharing and collaborative problem solving

News, user stories, case studies

How-To articles, deep dives

Superuser TV

Superuser Awards



# The Women of OpenStack

---

The Women of OpenStack strive to lower the barrier of entry to OpenStack learning and use, intending to thereby increasing the overall diversity of the OpenStack community, recognizing that individuals in minority groups are more likely to have challenges accessing resources to learn complex technologies. Secondly, the Women of OpenStack provides a professional and social networking group for women, and their allies, with common interests in OpenStack, OpenSource, and associated technologies. These goals are achieved through leading and sponsorship of educational sessions and social events that promote inclusion in the OpenStack Community.