OpenStack Upstream Institute

≫ (upstream-details.html) 🐞 (https://bugs.launchpad.net/openstack-training-guides/+filebug?
field.title=OpenStack%20Upstream%20Institute%20in%20Upstream%20Training%20Guide&field.comment=%0A%0A%0AThis bug tracker is for errors with the
documentation, use the following as a template and remove or add fields as you see fit. Convert [ ] into [x] to check boxes:%0A%0A- [ ] This doc is inaccurate in this way:
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troubleshooting or support issue, use the following resources:%0A%0A - Ask OpenStack: http://ask.openstack.org%0A - The mailing list: http://lists.openstack.org%0A - IRC:
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training//index.rst%0AURL: https://docs.openstack.org/upstream-training/&field.tags=upstream)

UPDATED: 2017-03-20 10:06

Abstract¶

With over 2,000 developers from over 300 different organizations worldwide, OpenStack is one of the largest collaborative software-development projects. Because of its size, it is characterized by a huge diversity in social norms and technical conventions. These can significantly slow down the speed at which newcomers are successful at integrating their own roadmap into that of the OpenStack project.

We've designed a training program to share knowledge about the different ways of contributing to OpenStack like providing new features, writing documentation, participating in working groups, and so forth. The educational program is built on the principle of open collaboration and will teach the students how to find information and navigate the intricacies of the project's technical tools and social interactions in order to get their contributions accepted. The live one and a half day class is focusing on hands-on practice like the students can use a prepared development environment to learn how to test, prepare and upload new code snippets or documentation for review. The attendees are also given the opportunity to join a mentoring program to get further help and guidance on their journey to become an active and successful member of the OpenStack community.

For more information, see OpenStack Upstream Institute Class Details (upstream-details.html).

When and where to get an OpenStack Upstream Institute class¶

The next session of the OpenStack Upstream Collaboration Training - OpenStack Upstream Institute - will be held in Boston, just before the OpenStack Summit Boston 2017 (https://www.openstack.org/summit/boston-2017/).

> **Saturday, May 6, 2017 at 1:00 p.m. to 6:00 p.m. - Sunday, May 7, 2017 at 09:00 a.m. to 6:00 p.m. (local time)**

As a first exercise we ask you to register to the OpenStack Foundation (https://www.openstack.org/join/register/) as a Foundation member if you haven't done it yet. After signing in you will also need to associate your EventBrite order with your OpenStackID (https://www.openstack.org/profile/attendeeInfoRegistration).

When you are all set you can RSVP (https://www.openstack.org/summit/boston-2017/summit-schedule/events/18639/openstack-upstream-institute-day-1) to the class.

See YOU in Boston!

Please note that the language of the training is English.

For more information about this session and other OpenStack trainings and workshops in Boston, see the OpenStack Academy page (https://www.openstack.org/summit/boston-2017/openstack-academy).

How to prepare¶

- Make sure you have a wifi enabled laptop with you.
- Prepared virtual machine image with a development environment:
    - Image and instructions: https://github.com/kmARC/openstack-training-virtual-environment/ (https://github.com/kmARC/openstack-training-virtual-environment/)
- Prepare an environment by yourself from scratch:
    - Create a virtual machine on your laptop with Ubuntu 16.04 installed and 6+ GB of RAM.
    - Alternatively, you can use your virtual machine on a public cloud.
    - Check that you can ssh from your laptop to the virtual machine
    - Check that **apt install** works on the virtual machine
    - Read and complete the Setup IRC (irc.html) guide.
    - Read and complete the Setup and Learn GIT (git.html) guide.
- Read and complete the Account Setup (accounts.html) guide.

Etherpad for Boston Upstream Collaboration Training (https://etherpad.openstack.org/p/upstream-training-boston)

Staff¶

Training organizers¶

Ildiko Vancsa, Kendall Nelson

Further trainers/coaches¶

Archives¶

For more information about the past trainings and the local upstream trainings, see OpenStack Upstream Training Archives (upstream-archives.html).

Outline and online slide index¶

> **Tip**
>
> Slides are made with Hieroglyph (http://hieroglyph.io). To skim through slides quickly to find something, or jump ahead or back, use *Slide table* (press **t** in the browser). Some slides include additional explanation in the *Presenter notes* (press **c** to see them).

Introduction¶

- Introduction (intro-introduction.html)
- Introducing OpenStack as a Software (intro-openstack-as-software.html)
- Introducing OpenStack as a Community (intro-openstack-as-community.html)

How OpenStack is Made¶

- Official OpenStack projects (howitsmade-official-projects.html)
- OpenStack Governance (howitsmade-governance.html)
- Release cycle (howitsmade-release-cycle.html)
- Communication (howitsmade-communication.html)
- OpenStack Events (howitsmade-events.html)

Workflow and Tools for Participation¶

- Overview of the contribution process (workflow-training-contribution-process.html)
- Registration and accounts (workflow-reg-and-accounts.html)
- Tracking (workflow-launchpad.html)
- Gerrit (workflow-gerrit.html)
- Reviewing (workflow-reviewing.html)
- Commit Messages (workflow-commit-message.html)
- Jenkins (workflow-jenkins.html)
- Metrics (workflow-metrics.html)
- Guide to SetUp and Push First Patch (workflow-setup-and-first-patch.html)
- Using Sandbox for Practice (workflow-using-sandbox.html)
- Closing Exercise (workflow-closing-exercise.html)

Code Deep Dive¶

- Demo environment (code-devstack.html)
- Code exercises (code-exercises.html)
- Branching model (branching-model.html)

Other¶

- Documentation Deep Dive (docs.html)

Archive of additional training activities¶

> **⊘ Note**
>
> Activities listed here are not realized at every Upstream training.

- Lego applied to Free Software contributions (archive-training-agile-for-contributors.html)

Complete index in slide format only (slide-index.html)

» (upstream-details.html) | 🐞 (https://bugs.launchpad.net/openstack-training-guides/+filebug?field.title=OpenStack%20Upstream%20Institute%20in%20Upstream%20Training%20Guide&field.comment=%0A%0A%0AThis bug tracker is for errors with the documentation, use the following as a template and remove or add fields as you see fit. Convert [ ] into [x] to check boxes:%0A%0A- [ ] This doc is inaccurate in this way: _____%0A- [ ] This is a doc addition request.%0A- [ ] I have a fix to the document that I can paste below including example: input and output. %0A%0AIf you have a troubleshooting or support issue, use the following resources:%0A%0A - Ask OpenStack: http://ask.openstack.org%0A - The mailing list: http://lists.openstack.org%0A - IRC: 'openstack' channel on Freenode%0A%0A-----------------------------------%0ARelease:%202016.2%20on%202017-03-20%2010:06%0ASHA:%2022c4590a43596f4d4cc30cfbcef46da1608bbe3e%0ASource:%20https://git.openstack.org/cgit/openstack/training-guides/tree/doc/upstream-training//index.rst%0AURL: https://docs.openstack.org/upstream-training/&field.tags=upstream)

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❓ QUESTIONS? (HTTP://ASK.OPENSTACK.ORG)

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OpenStack Documentation ▾

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OpenStack

- Projects (http://openstack.org/projects/)
- OpenStack Security (http://openstack.org/projects/openstack-security/)
- Common Questions (http://openstack.org/projects/openstack-faq/)
- Blog (http://openstack.org/blog/)
- News (http://openstack.org/news/)

Community

- User Groups (http://openstack.org/community/)
- Events (http://openstack.org/community/events/)
- Jobs (http://openstack.org/community/jobs/)
- Companies (http://openstack.org/foundation/companies/)
- Contribute (http://docs.openstack.org/infra/manual/developers.html)

Documentation