WHAT IS OPENSTACK?

BUILD CLOUD COMPUTING PLATFORM
Collection of tools for building cloud computing platforms

MANAGING YOUR CLOUD ENVIRONMENT
 Allows users to deploy virtual machines and other instances.

OPEN SOURCE SOFTWARE
96,562 community members, 187 countries, 20m+ code lines
“OUR MISSION IS TO BE THE CATALYST IN COMMUNITIES OF CUSTOMERS, CONTRIBUTORS, AND PARTNERS CREATING BETTER TECHNOLOGY THE OPEN SOURCE WAY”

RED HAT MISSION STATEMENT
WHAT DOES OPEN SOURCE EVEN MEAN?

“Open source software is software with source code that anyone can inspect, modify, and enhance.”
OpenSource.com

https://opensource.com/resources/what-open-source
“FREE AS IN FREEDOM,” NOT “FREE AS IN BEER”

SO WHY DOES RED HAT CHARGE MONEY?
OPEN SOURCE COMMUNITY IN ACTION

DIVERSITY
Everyone is different and has different skills to bring

COLLABORATION
Companies and individuals working together round the world

CONTRIBUTION
Everyone has something to contribute
WHY DO I CARE?
HOW DOES RED HAT ENGAGE IN THE COMMUNITY?
KEY OPEN SOURCE PRINCIPLES

Collaboration

Transparency (both access and the ability to act)

OPEN SOURCE PRINCIPLES

Shared problems are solved faster and the solutions are adopted quicker

Working together creates alignment and buy in.
PLAN

PRESCRIBE

EXECUTE
CONFIGURE

ENABLE

ENGAGE
WHERE DO OUR PRIORITIES COME FROM?

An OpenStack Story

Developers

Consumers

Providers

Vendors
WHERE DO OUR PRIORITIES COME FROM?

An OpenStack Story

YOU!
WHERE DO OUR PRIORITIES COME FROM?

WHERE DO OUR PRIORITIES COME FROM?

Red Hat Edition

Upstream Bug Reports

Downstream Bug Reports

Direct Customer Conversations

Strategic Initiatives
Red Hat OpenStack Platform Director

Overview

Based on Upstream TripleO
Builds Scalable Clouds
Detailed Lifecycle Management
Optional Graphical Interface
Fully Containerized OpenStack Services
Ansible Powered
Deployment Validations
Composability
Ceph integration
OpenShift ready
Supports “fast forward upgrades”

Director is the centre of the Red Hat OpenStack Platform lifecycle and is a mandatory requirement for most installs.
RHOSP RELEASE PLANNING & LIFE CYCLE

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- OSP15 WILL BE BASED ON UPSTREAM STEIN
- OSP14 BASED ON UPSTREAM ROCKY
- OSP13 BASED ON UPSTREAM QUEENS
- OSP12 BASED ON UPSTREAM PIKE
NETWORKING WIZARD

Problem to Solve

COMPLEXITY

CONFIGURATION ISSUES

VISUAL REPRESENTATION
NETWORKING WIZARD
Where did the idea come from?

- Support Tickets
- Customer Meetings
- Feedback from the Field
NOW WHAT?
NETWORKING WIZARD

Idea to reality

Prototyping & Wireframing  Development  Testing & Documentation
NETWORKING WIZARD

Idea to reality

Prototyping & Wireframing
NETWORKING WIZARD

Idea to reality

Testing & Documentation

My Polarion

Welcome Beth Elwell (belwell)! This is your personal Polarion home page. It's a LiveReport type information of greatest interest to you.

My Tasks and Defects

By default the table below shows items from all your projects that are assigned to you and not yet resolved. Types, or restrict the list to items of particular interest right now, edit this page, select the table widget, and my widget's parameters (visible in the Parameters sidebar when the widget is selected in Edit mode).

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Documents Awaiting My Signature

Document | Project / Space
---------|-------------
SO YOU WANT TO GET INVOLVED?

Submit some code
SO YOU WANT TO GET INVOLVED?

Review code
SO YOU WANT TO GET INVOLVED?

Write or edit documentation according to your experience
SO YOU WANT TO GET INVOLVED?

Give engineers feedback and bug reports
SO YOU WANT TO GET INVOLVED?

Request new features and blueprints
SO YOU WANT TO GET INVOLVED?

Join IRC and chat to your community!
Merging Community and Business Goals

OPENSTACK IS NOT ABOUT...

Who knows the most

Who has submitted the most patches

Whose voice is the loudest

Any one group or person
IRONIC BARE METAL
Merging Community and Business Goals
HELPFUL LINKS

WHAT IS OPEN SOURCE?
https://opensource.com/resources/what-open-source

LIST OF OPENSTACK COMPONENTS
https://www.openstack.org/software/project-navigator/openstack-components#openstack-services

OPENSTACK GETTING STARTED
https://docs.openstack.org/infra/manual/developers.html

DOCUMENTATION CONTRIBUTOR GUIDE
https://docs.openstack.org/doc-contrib-guide

IRC CHANNELS
https://wiki.openstack.org/wiki/IRC

RED HAT OPENSTACK
https://www.redhat.com/en/topics/openstack

SUBMITTING YOUR FIRST PATCH
https://www.openstack.org/software/project-navigator/openstack-components#openstack-services

LAUNCHPAD OPENSTACK HOME
https://launchpad.net/openstack

UPSTREAM OPENSTACK BUGS
https://bugs.launchpad.net/openstack

UPSTREAM OPENSTACK BLUEPRINTS
https://wiki.openstack.org/wiki/Blueprints
A COMMUNITY
THANK YOU

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irc: betherly