



The Agile and Open Source Way

Learn the Way of Delivering High Quality Software
with Multiple Distributed Teams

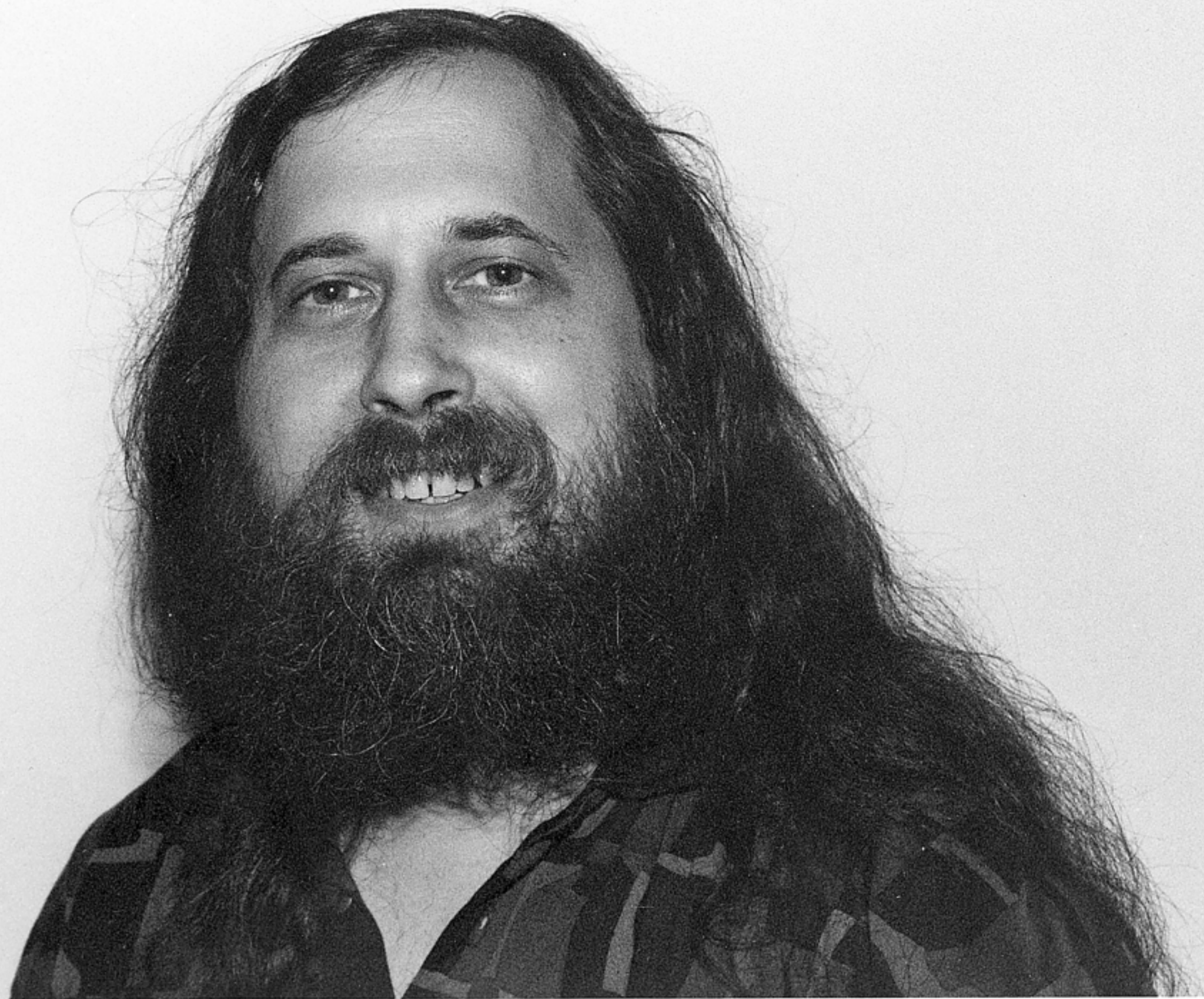


The Agile and Open Source Way

Learn the Way of Delivering High Quality Software
with Multiple Distributed Teams

Open Source?





Open Source

- source code is published
- made available to the public
- enabling anyone to copy, modify and redistribute the source code without paying royalties or fees

http://en.wikipedia.org/wiki/Open_source

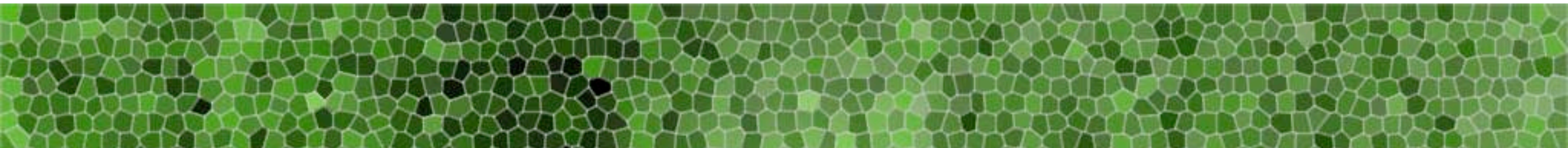
Agile?



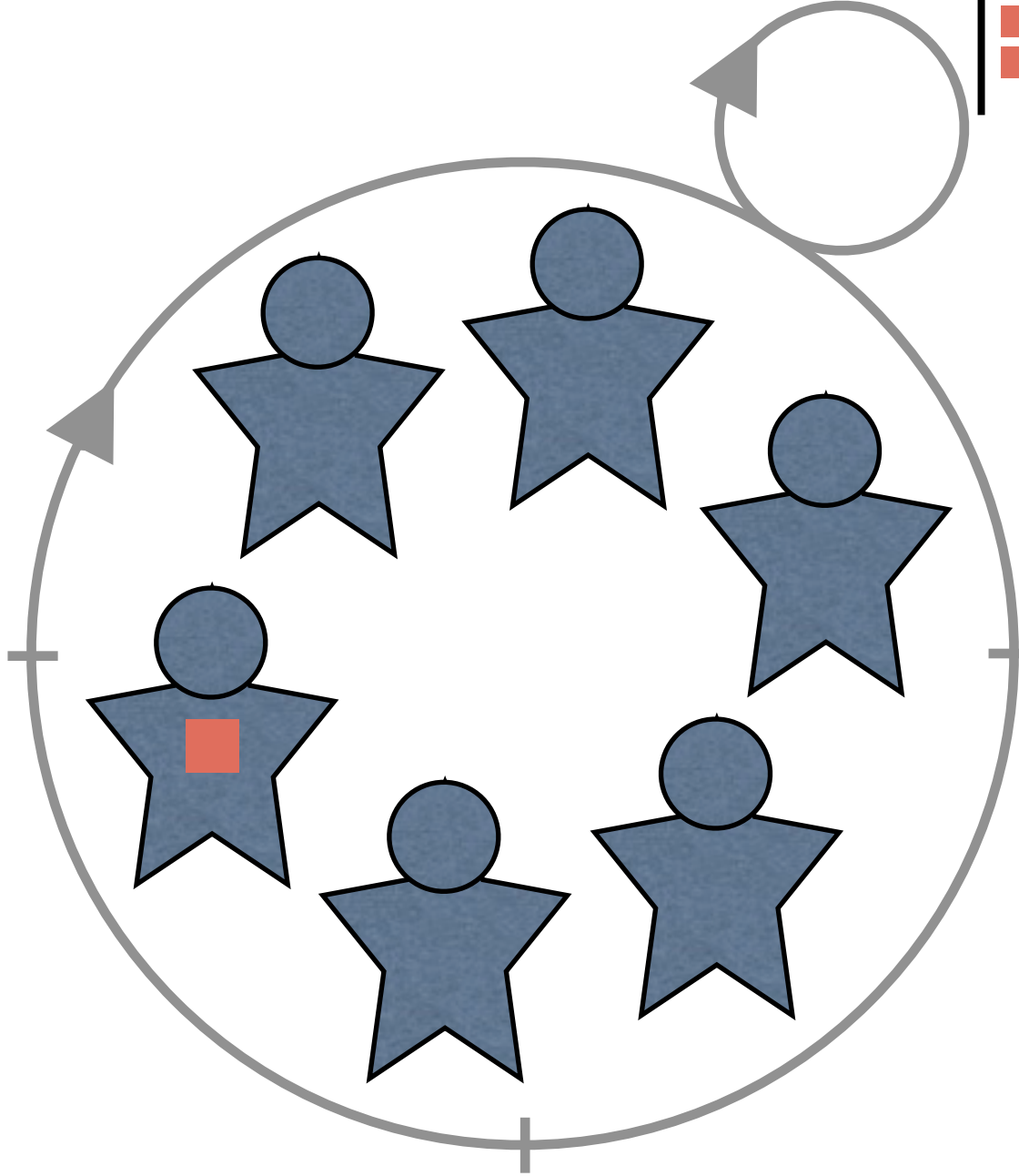
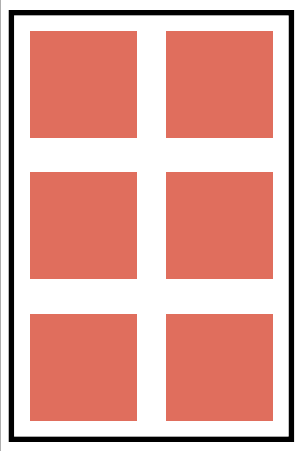
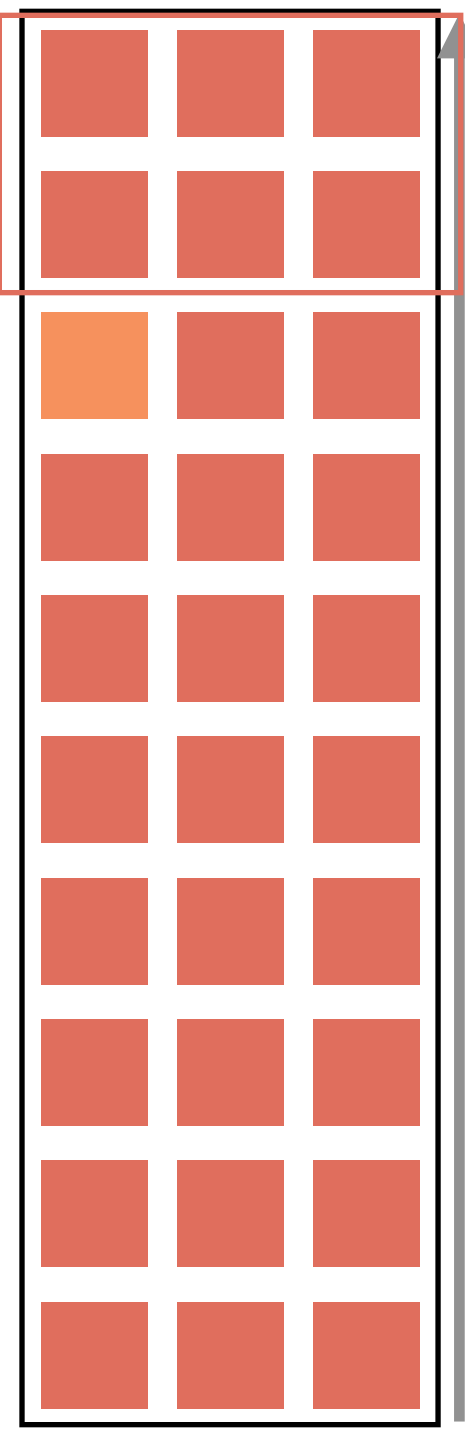
Agile

- Continuous improvement
 - Individuals and interactions
 - Working software
 - Customer collaboration
 - Responding to change

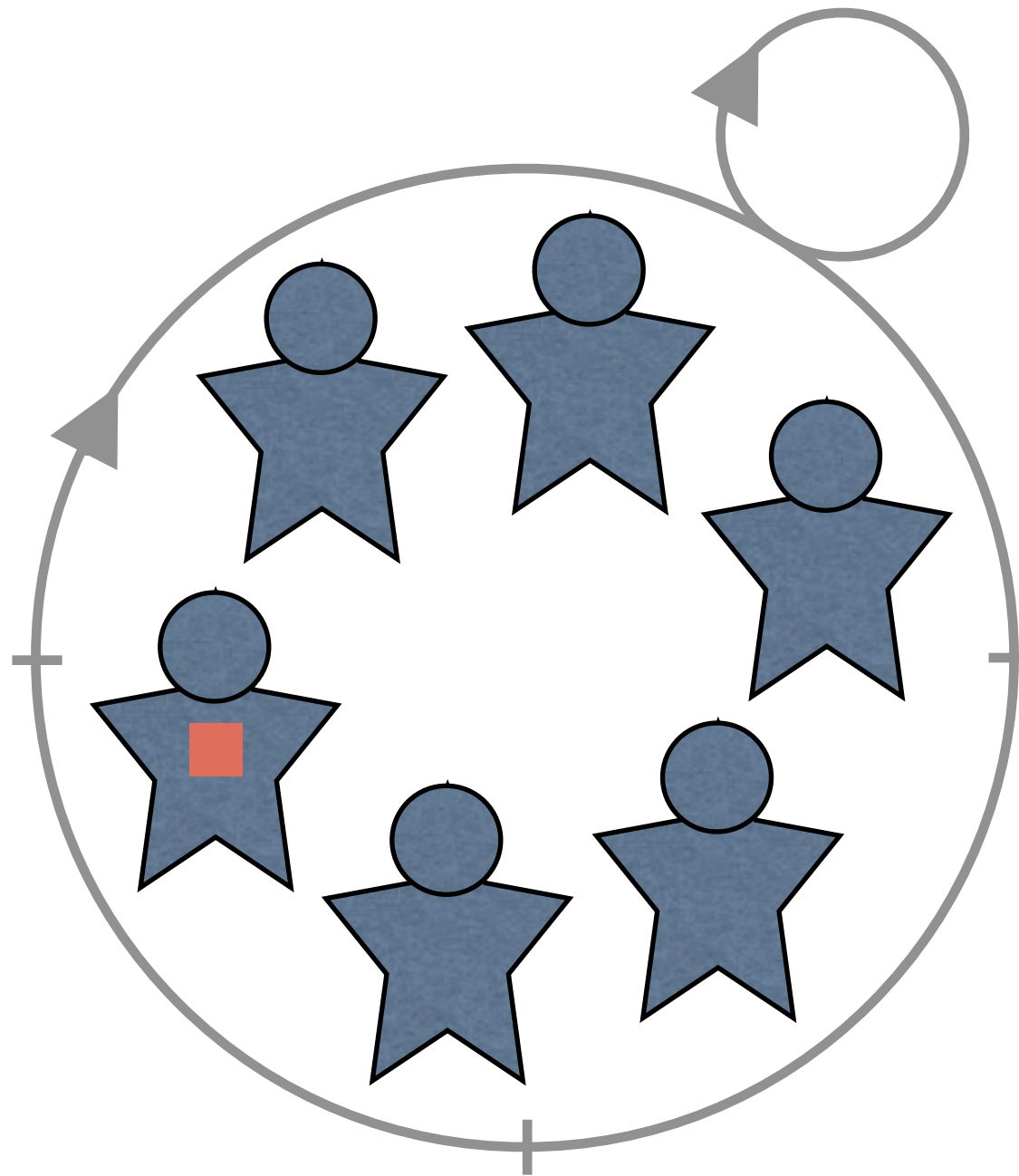
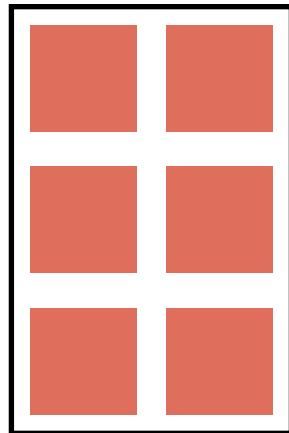
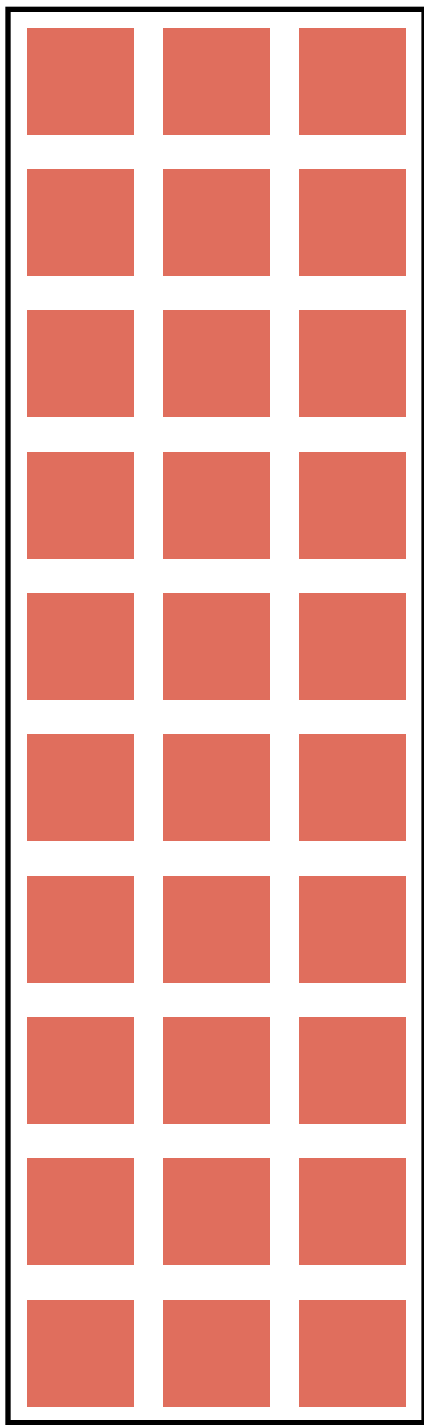
Agile manifesto: <http://agilemanifesto.org>



| TODO | DOING | DONE |
|--|-----------------------------------|---|
| <div><div></div><div></div><div></div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div><div></div><div></div></div> |



intelligent
person
who
can
do
it
all
by
himself



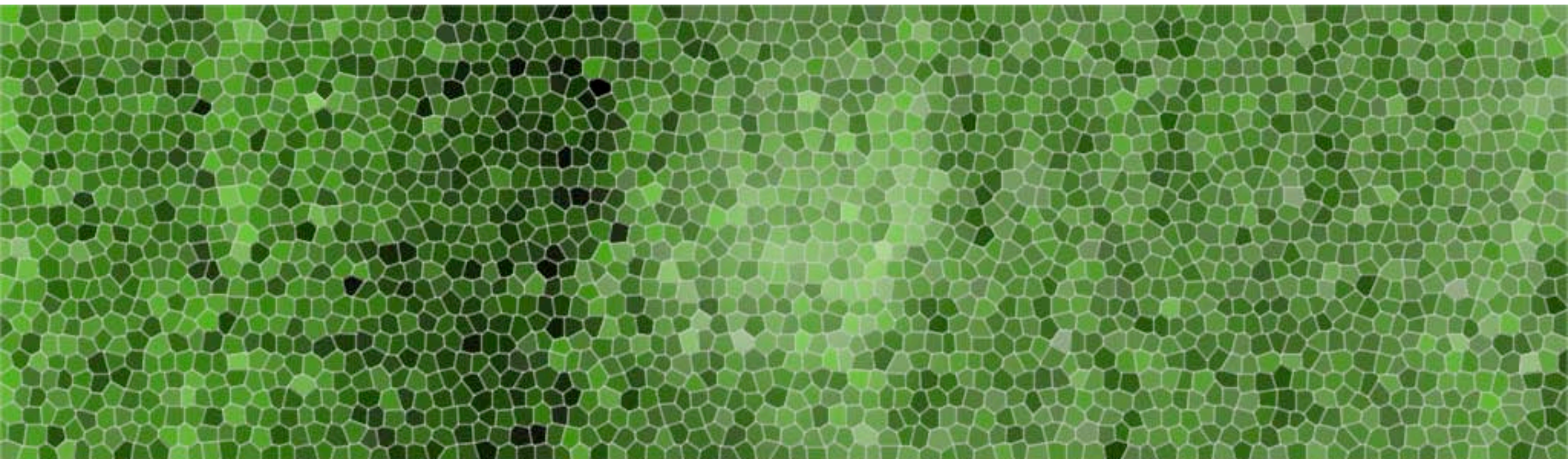
Agile Methods

\neq



[REDACTED]

[REDACTED]



?





Who?



Alexis Monville



#AOSWay
@alexismonville



Alexis Monville



#AOSWay
@alexismonville
@ayeba



Alexis Monville



#AOSWay
@alexismonville
@ayeba
@enovance

OPEN
WORLD
FORUM

#OWF13

#AOSWay

@alexismonville

@ayeba

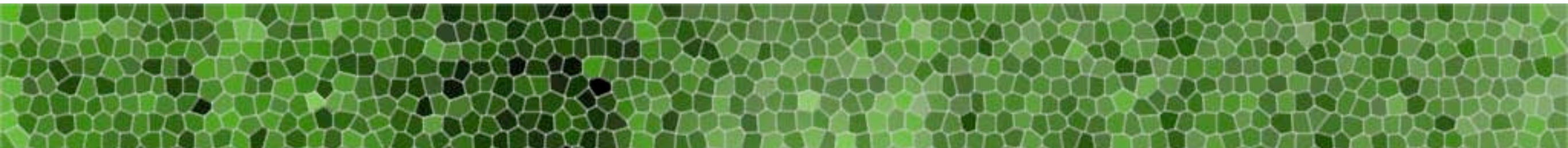
@enovance

Open Source = Agile ?



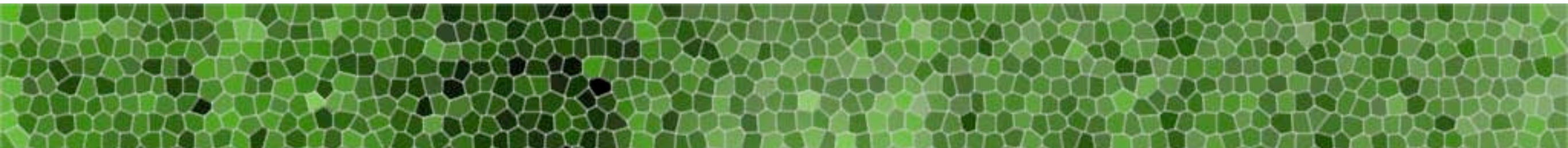
Open Source = Agile ?

- Open Source shares the same values:
 - Individuals and interactions
 - Working software
 - Customer collaboration
 - Responding to change



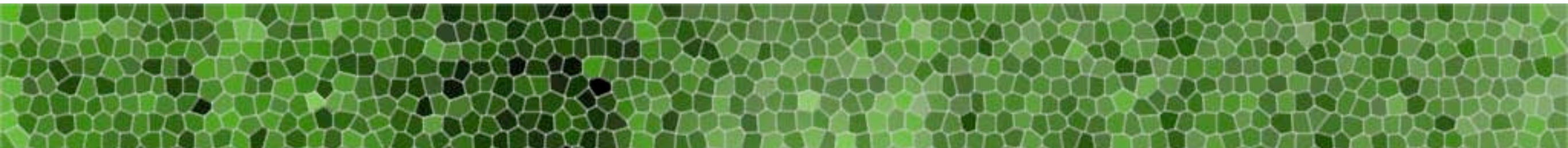
Principles behind...

- Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.
- Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage.
- Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale.
- Business people and developers must work together daily throughout the project.
- Build projects around motivated individuals. Give them the environment and support they need, and trust them to get the job done.
- The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.
- Working software is the primary measure of progress.
- Agile processes promote sustainable development. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.
- Continuous attention to technical excellence and good design enhances agility.
- Simplicity--the art of maximizing the amount of work not done--is essential.
- The best architectures, requirements, and designs emerge from self-organizing teams.
- At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior



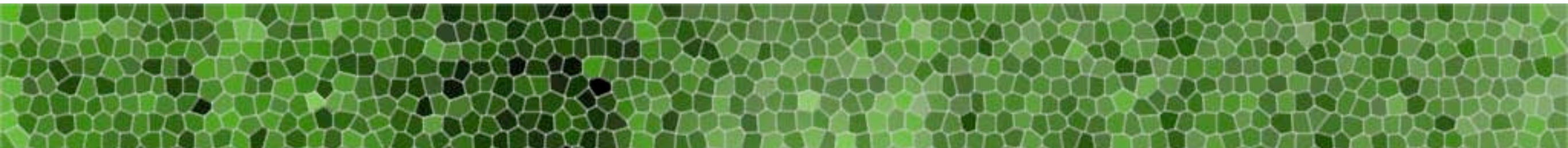
Yes!

- **Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.**
- **Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage.**
- **Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale.**
- Business people and developers must work together daily throughout the project.
- **Build projects around motivated individuals. Give them the environment and support they need, and trust them to get the job done.**
- The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.
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- **Continuous attention to technical excellence and good design enhances agility.**
- **Simplicity--the art of maximizing the amount of work not done--is essential.**
- The best architectures, requirements, and designs emerge from self-organizing teams.



But...

- Not the same principles and practices:
 - No day to day face to face conversation
 - No collocated teams
 - Individuals and several teams
 - Distributed
 - Business People, Customer...



mix

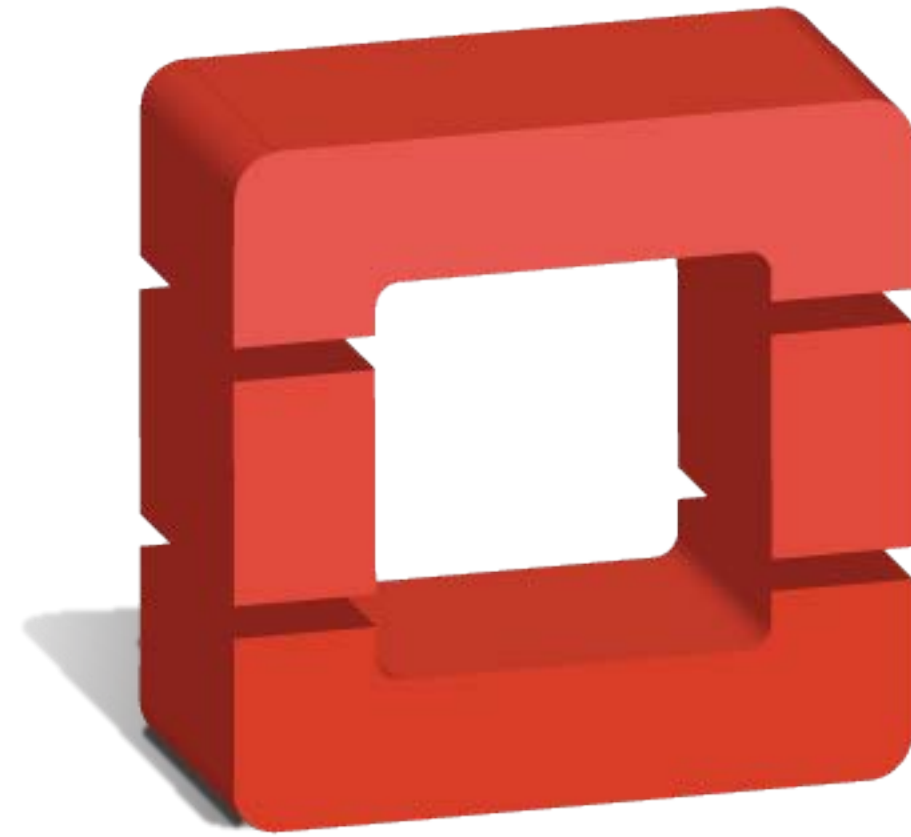


Agile and Open Source



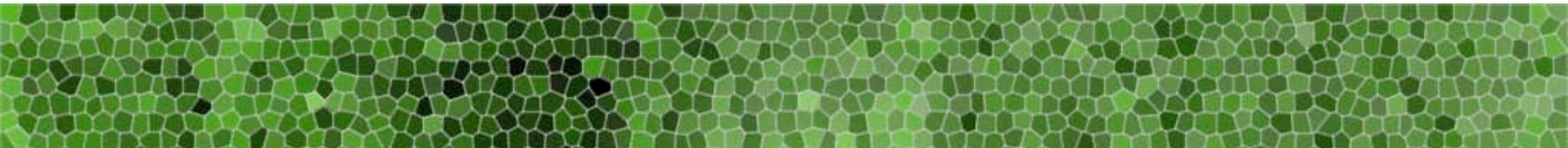
Virtual Gemba Walk

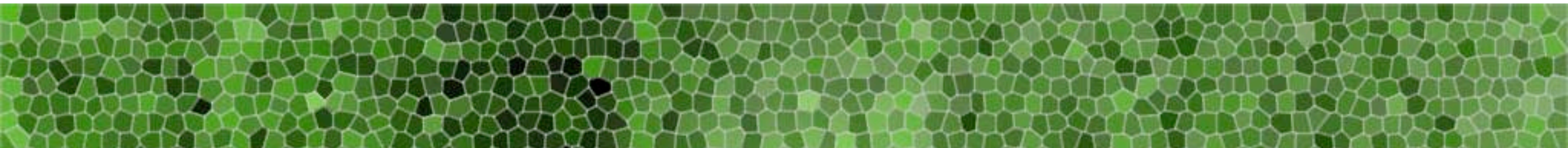




openstack™

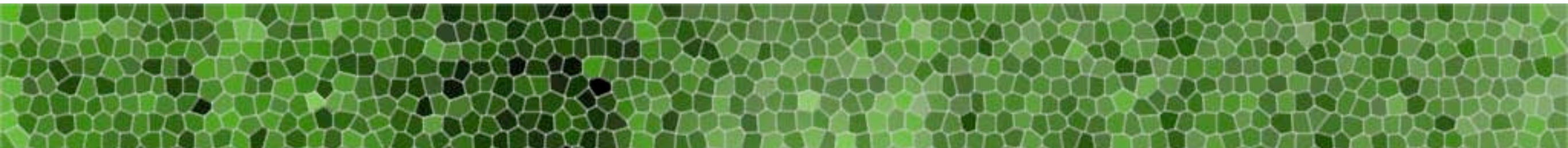
CLOUD SOFTWARE







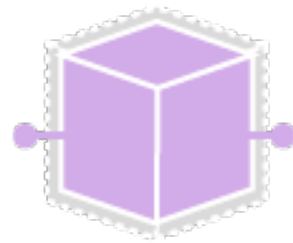
The OpenStack Open Source Cloud Mission:
to produce the ubiquitous Open Source Cloud Computing
platform that will meet the needs of public and private
clouds regardless of size, by being simple to implement and
massively scalable.



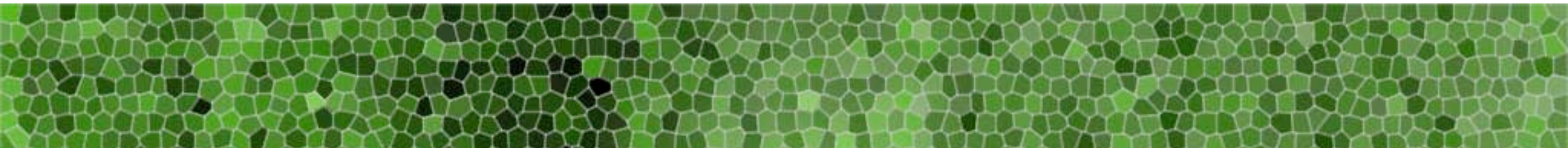
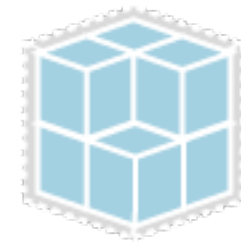
Computing



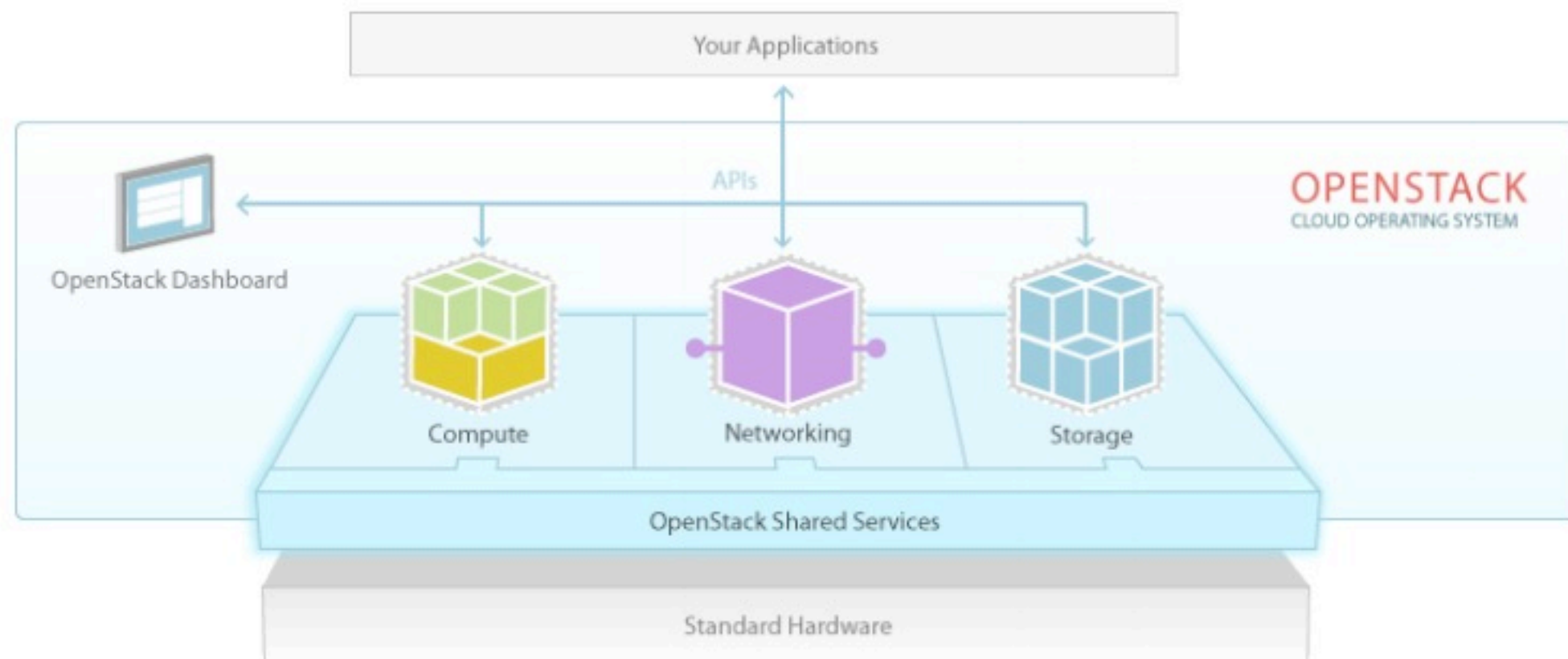
Networking



Storing



Cloud Operating System



<http://www.openstack.org>



openstack

DASHBOARD

Project

Admin

CURRENT PROJECT

admin

Manage Compute

Overview

Instances

Volumes

Images & Snapshots

Access & Security

Object Store

Containers

Images & Snapshots

Logged in as: admin [Settings](#) [Help](#) [Sign Out](#)

Success: Snapshot "test-snap" created for instance "test1"

Images

Project (1)

Shared with Me (0)

Public (1)

+ Create Image

Delete Images

| <input type="checkbox"/> | Image Name | Status | Public | Format | Actions |
|--------------------------|--------------|--------|--------|--------|---|
| <input type="checkbox"/> | cirros-0.3.0 | Active | Yes | QCOW2 | <button>Launch</button> <button>More ▾</button> |

Displaying 1 item

Instance Snapshots

Delete Snapshots

| <input type="checkbox"/> | Image Name | Status | Public | Format | Actions |
|--------------------------|------------|--------|--------|--------|----------------------------------|
| <input type="checkbox"/> | test-snap | Queued | No | | <button>Delete Snapshot</button> |

Displaying 1 item

Volume Snapshots

| | Name | Description | Size | Status | Volume Name | Actions |
|--|------|-------------|------|--------|-------------|---------|
|--|------|-------------|------|--------|-------------|---------|

No items to display.

Displaying 0 items

T

Who?

Platinum Members

OpenStack Foundation Platinum Members provide a significant portion of the funding to achieve the Foundation's mission of protecting, empowering and promoting the OpenStack community and software. Each Platinum Member's company strategy aligns with the OpenStack mission and is responsible for committing full-time resources toward the project. There are eight Platinum Members at any given time, each of which holds a seat on the Board of Directors. Thank you to the following Platinum Members who are committed to OpenStack's success.



AT&T



Canonical



HP



IBM



Nebula



Rackspace



Red Hat, Inc.













SUSE

[http://www.openstack.org/foundation/
companies/](http://www.openstack.org/foundation/companies/)

Who?

Gold Members

OpenStack Foundation Gold Members provide funding and pledge strategic alignment to the OpenStack mission. There can be up to twenty-four Gold Members at any given time, subject to board approval. If your organization is highly involved with OpenStack and interested in becoming a Gold Member, read more about [joining the Foundation](#). Thank you to the following Gold Members who are committed to OpenStack's success.

| | | | | |
|--|---|--|---|--|
|  台灣雲端運算產業協會 Cloud Computing Association in Taiwan |  CISCO |  cloudscaling The Elastic Cloud Company |  DELL |  DreamHost |
| CCAT | Cisco | Cloudscaling | Dell | DreamHost |
|  eNovance Cloud & Managed Services Provider |  ERICSSON |  intel |  JUNIPER NETWORKS |  MIRANTIS |
| eNovance | Ericsson | Intel | Juniper Networks | Mirantis |
|  MORPH LABS |  NEC |  NetApp |  Piston PISTON CLOUD COMPUTING |  vmware |
| Morphlabs | NEC | NetApp | Piston Cloud | VMware |
|  YAHOO! | | | | |
| Yahoo! | | | | |

[http://www.openstack.org/foundation/
companies/](http://www.openstack.org/foundation/companies/)

Supporting Organizations

The resources provided by the Members and Sponsors are critical to making the OpenStack Foundation successful, but there are many ways to support the OpenStack mission, whether you're contributing code, building an OpenStack product or helping build the community. Below are companies who are actively involved in making OpenStack successful. If you would like your company listed here, please complete the [logo authorization form](#) and [send your logo](#).



12120+ people

130 Countries

| # | Company | Lines of code |
|----|--------------------------------|---------------|
| 1 | Rackspace | 4335694 |
| | *independent | 1505990 |
| 2 | HP | 1123372 |
| 3 | Nebula | 982942 |
| 4 | Red Hat | 714650 |
| 5 | IBM | 431445 |
| 6 | Citrix | 245493 |
| 7 | Information Sciences Institute | 208291 |
| 8 | Mirantis | 194795 |
| 9 | Bitergia | 147399 |
| 10 | VMware | 138085 |
| 11 | Cisco Systems | 111054 |
| 12 | OpenStack Foundation | 87499 |
| 13 | DreamHost | 81218 |
| 14 | eNovance | 75927 |
| 15 | NTT | 70349 |
| 16 | Cloudscaling | 63129 |
| 17 | Intel | 59568 |
| 18 | SolidFire | 53253 |

| # | Engineer | Lines of code |
|----|---------------------------------|---------------|
| 1 | Shawn O. Pearce | 373772 |
| 2 | The Android Open Source Project | 287603 |
| 3 | sirish chandra bitra | 116039 |
| 4 | gaurav@gluster.com | 81558 |
| 5 | Sai Krishna | 68468 |
| 6 | Rajaram Mallya | 38734 |
| 7 | Chuck Thier | 35774 |
| 8 | Christopher Grebs | 33517 |
| 9 | Jeffrey Wilcox | 30941 |
| 10 | Devin Carlen | 28953 |
| 11 | Razique Mahroua | 17578 |
| 12 | Márton Kiss | 16587 |
| 13 | Jonathan Proulx | 15458 |
| 14 | katomo | 14524 |
| 15 | Adipudi Praveena | 13947 |
| 16 | Hengqing Hu | 13202 |
| 17 | root | 11661 |
| 18 | Ed Leafe | 11081 |
| 19 | Bryan D. Payne | 10806 |
| 20 | Eric Day | 10629 |
| 21 | Sandy Walsh | 10178 |

<http://www.stackalytics.com/>

What Does Openness Mean?





Open

Sommaire

[\[afficher\]](#)

What Does Openness Mean? [\[modifier\]](#)

Open Source [\[modifier\]](#)

We do not produce "open core" software.

We are committed to creating truly open source software that is usable and scalable. Truly open source software is not feature or performance limited and is not crippled. There will be no "Enterprise Edition".

We use the Apache License, 2.0.

- [OSI](#) [approved](#),
- [GPLv3](#) [compatible](#)
- [DFSG](#) [compatible](#)

Open Design [\[modifier\]](#)

We are committed to an open design process. Every six months the development community holds a design summit to gather requirements and write specifications for upcoming release. The design summits, which are open to the public, include users, developers, and upstream projects. We gather requirements and produce an approved roadmap used to guide development for the next six months.

Open Development [\[modifier\]](#)

We maintain a publicly available source code repository through the entire development process. We do public code reviews. We have public roadmaps. This makes participation simpler, allows users to follow the development process and participate in QA at an early stage.


Open Community [\[modifier\]](#)

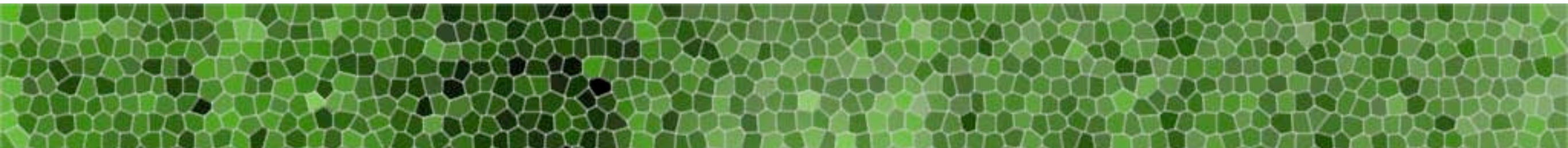
One of our core goals is to maintain a healthy, vibrant developer and user community. Most decisions are made using a [lazy consensus](#) [model](#). All processes are documented, open and transparent.

We follow those principles:

- The community controls the design process. You can help make this software meet your needs.
- The technical governance of the project is a community meritocracy with contributors electing technical

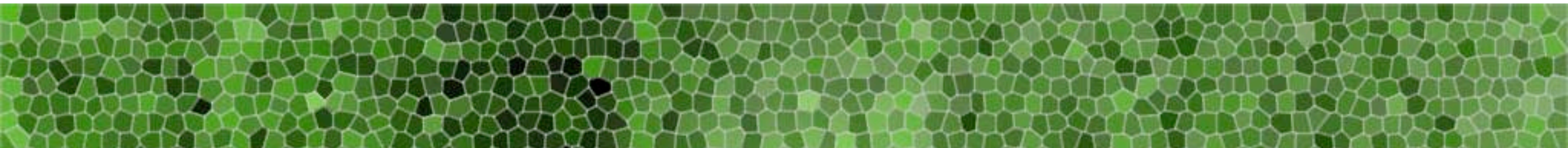
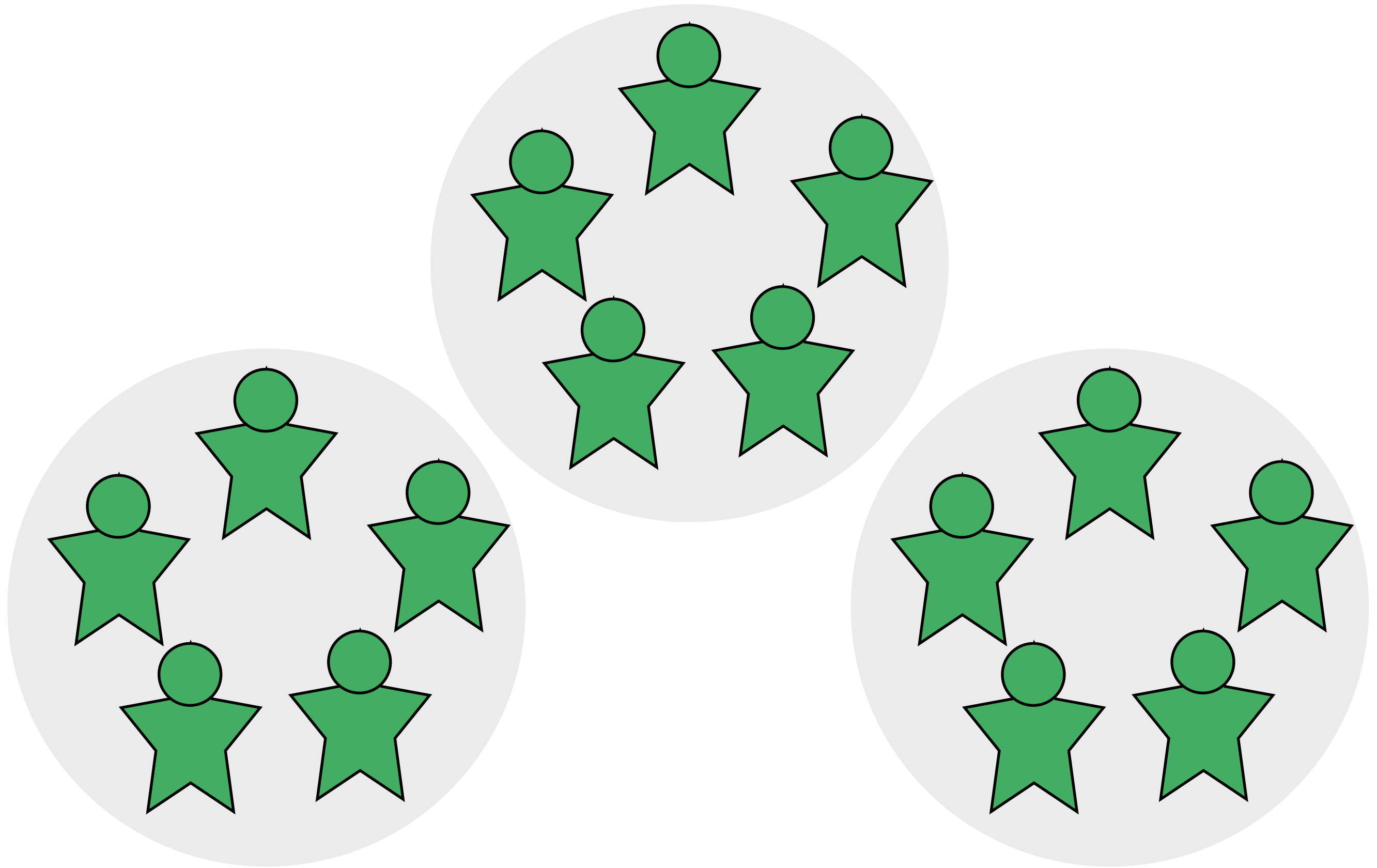
Are we doing it wrong?

We're trying our very best to do things the right way, be properly open, free, etc. If you see anything that suggests otherwise, please don't hesitate to [tell us](#) or [call us out on it](#) . There's a good chance we simply haven't thought about whatever it is that you've identified.



Scale



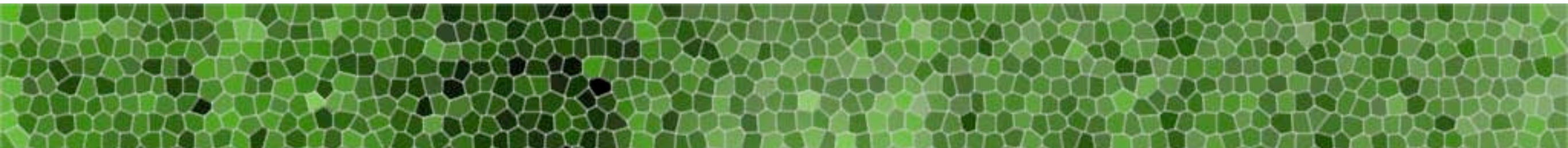


Onboarding



Onboarding

- How to...
- Ask...
- Wiki...
- IRC, mailing list...
- Buddy...
- ...



How?

How To Contribute

Contents

[\[show\]](#)

How can I help?

Thanks for asking. Let's find a place for you!

First you should join our communication forums:

- Subscribe to our [mailing lists](#)
- Join us on [IRC](#): You can talk to us directly in one of the [#openstack](#) channels
- Answer and ask questions on [Ask OpenStack](#) 🐞

If you're building clouds

- Read the [official OpenStack documentation](#)🔗, which is intended for cloud deployers and operations professionals who are standing up OpenStack clouds. Each page offers comments and the documentation can be edited by cloning a GitHub repository, see [Documentation/HowTo](#).
- If you find problems with content on the [official OpenStack documentation](#)🔗, log a bug against the [openstack-manuals project](#) 🐞 with the page that contains the bug.
- Join the [openstack-operators mailing list](#)🔗 to ask and answer questions specific to deployments large and small.

If you're a developer

- Join the [OpenStack developers mailing list](#)🔗
- Join the [#openstack-dev](#) IRC channel
- Check out how we work:
 - What [Open](#) means to us
 - How our [Release Cycle](#) works
 - Our [Branch model](#)
 - How to work with Launchpad [Blueprints](#) and [Bugs](#)
- Get the [code](#)
- Learn [how to work](#) with our [Gerrit review system](#)🔗. Some useful tips are in [this video](#)🔗.
- Contribute your patches and change the world!

[https://wiki.openstack.org/wiki/](https://wiki.openstack.org/wiki/How_To_Contribute)
[How To Contribute](https://wiki.openstack.org/wiki/How_To_Contribute)

Communication

IRC

IRC, or Internet Relay Chat, is often used as a real-time communication capability with open source projects. We're pretty proud of the friendly vibe in the OpenStack channel and invite anyone wanting to ask questions or talk about all things OpenStack to the channel.

IRC software can be found for all operating systems. The [IRC clients comparison chart on Wikipedia](#) can help you pick one for your operating system.

You don't have to have a complex setup to use IRC. You can use the web client for Freenode, which doesn't require any download or setup. Just pick a nickname and join #openstack: [#](http://webchat.freenode.net/?channels=openstack,openstack-101).

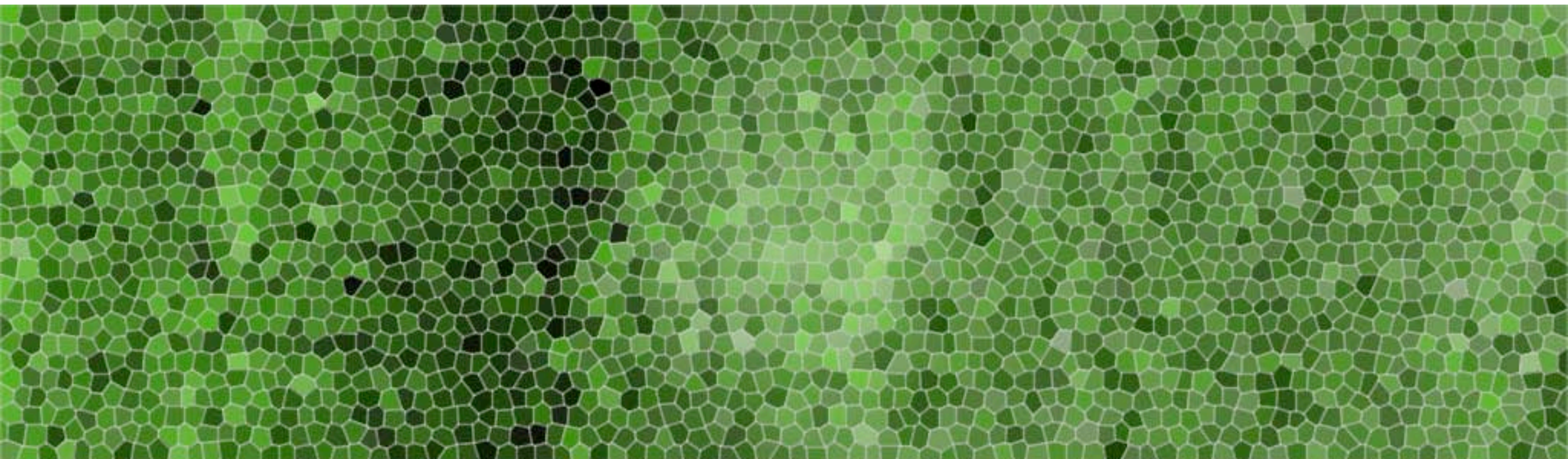
OpenStack IRC channels (chat.freenode.net)

If you want to start a new IRC channel, please consult with the InfrastructureTeam in #openstack-infra or at openstack-infra@lists.openstack.org to ensure it gets registered appropriately. If you don't know what IRC is, here are a [few guidelines](#).

| IRC Channel | Description | Current Schedule |
|-----------------------------|--|------------------|
| #openstack | general discussion, support | |
| #openstack-cinder | cinder team discussions | |
| #openstack-swift | swift team discussions | |
| #openstack-nova | nova team discussions | |
| #openstack-dev | development discussion | |
| #openstack-hyper-v | Microsoft Windows guests and hypervisor discussion | |
| #openstack-infra | developer community infrastructure, continuous integration | |
| #openstack-ironic | ironic & bare metal discussions | |
| #openstack-marconi | queue/messaging marconi team discussions | |
| #openstack-meeting | team meetings | |
| #openstack-meeting-alt | team meetings, alternate channel | |
| #openstack-metering | ceilometer team discussions | |
| #openstack-opw | GNOME OPW mentor, intern and supporter discussions | |
| #openstack-packaging | packaging discussions | |
| #openstack-chef | deployment and operating OpenStack with Chef | |
| #openstack-doc | documentation team discussion | |
| #openstack-101 | guidance for new contributors | |
| #openstack-community | coordination of community activity | |
| #openstack-translation | translation groups discussion | |
| #openstack-qa | QA team discussion | |
| #openstack-trove | trove database team discussions | |
| #openstack-dns | Designate DNS team discussions | |
| #tripleo | TripleO team discussions | |
| #openstack-vmware | The VMwareAPI team discussion channel | |
| #openstack-state-management | State management in OpenStack discussion channel | |
| #heat | Heat developer discussion channel | |
| #savanna | Savanna team discussions | |

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

Release



Release Cycle



Release Cycle



Release Cycle

- A coordinated 6-month release cycle with frequent development milestones.
- The Release Cycle is made of four major stages:
 - Planning
 - Implementation
 - Pre-Release
 - Release

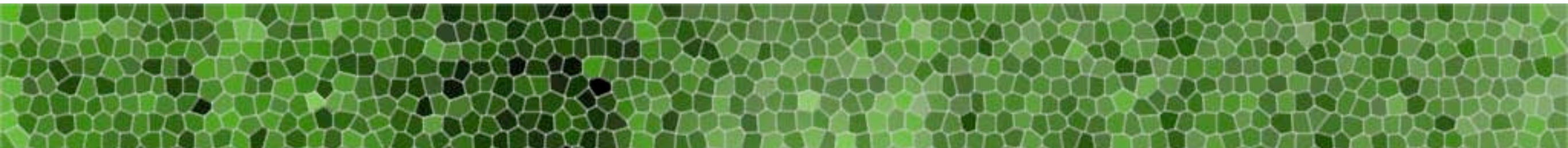
<https://wiki.openstack.org/wiki/ReleaseCycle>



Free?

Release Cycle

- Note: Each core project is free to choose a different release cycle contents, as long as they submit a version for the common OpenStack release at the end of the cycle. However, unless they have a good reason to differ, they are strongly encouraged to follow the common plan that is described in this document.

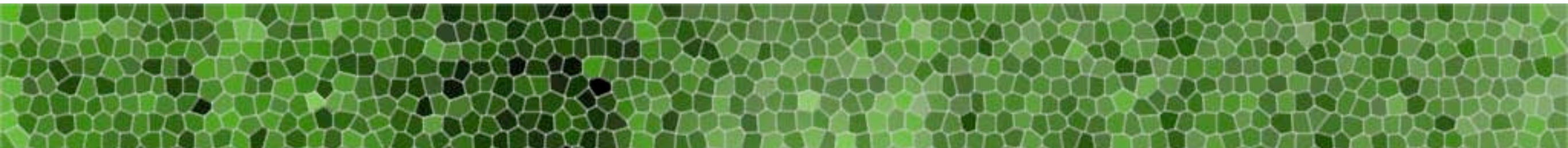




Agile?

Release Cycle

- Note: Nothing prevents you to do a particular task outside of the designated stages. You can design during the QA stage. You can write new code on release week. The release cycle just gives you a general idea of what's the general team focus, it is not meant to restrict you in any way.



Austin



Bexar



Cactus



Diablo



Essex



Folsom



Grizzly



Havana



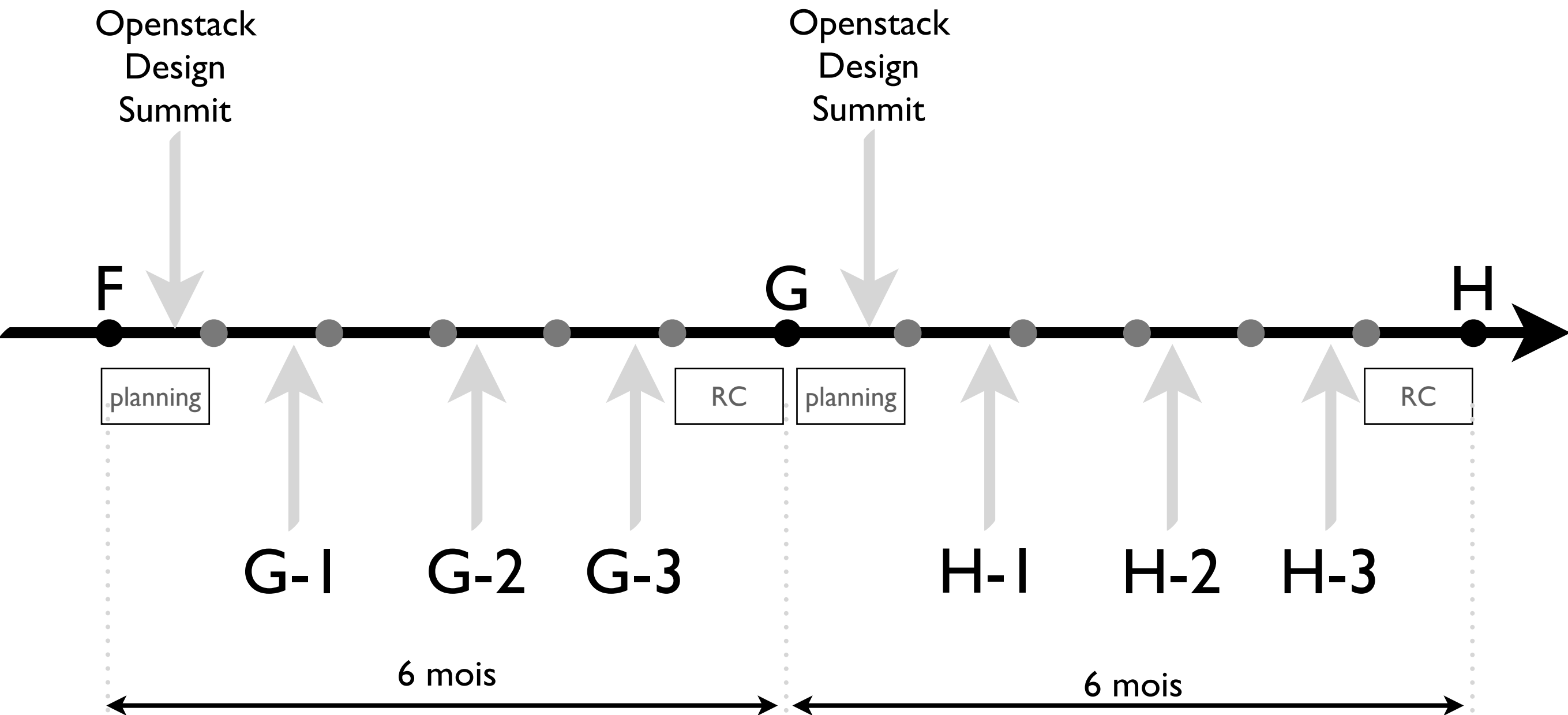
|...



Icehouse



Release Cycle



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

Planning




Planning

- 4 weeks to:
 - Design
 - Discuss
 - Target


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

Tenets

Basic Design Tenets

1. **Scalability** and **elasticity** are our main goals
2. Any feature that limits our main goals must be optional
3. Everything should be asynchronous
 - a) If you can't do something asynchronously, see #2
4. All required components must be horizontally scalable
5. Always use shared nothing architecture (**SN**)  or **sharding**
 - a) If you can't Share nothing/shard, see #2
6. Distribute everything
 - a) Especially logic. Move logic to where state naturally exists.
7. Accept eventual consistency and use it where it is appropriate.
8. Test everything.
 - a) We require tests with submitted code. (We will help you if you need it)

Blueprints

**OpenStack**
Overview Code Bugs **Blueprints** Translations Answers

Alexis Monville (vz-ase0is-uh) • Log Out

Blueprints for OpenStack

OpenStack » Blueprints

Show only blueprints containing: Search blueprints


1 → 75 of 1526 results


| Priority | Blueprint | Design | Delivery | Assignee | Project | Series |
|-----------|-------------------------------------|----------|---------------|--------------------------------------|---------------------|----------|
| Essential | api-v1-impl | Approved | Started | Lucas Alvares Gomes | ironic | icehouse |
| Essential | backportable-db-migrations-icehouse | Approved | Not started | | nova | |
| Essential | change-marconi-structure | Approved | Unknown | Flavio Percoco | marconi | havana |
| Essential | ci-git-support | Approved | Good progress | James E. Blair | openstack-ci | |
| Essential | ci-git-transition | Approved | Started | James E. Blair | openstack-ci | |
| Essential | devstack-support | Approved | Unknown | Flavio Percoco | marconi | icehouse |
| Essential | diablo-burrow-proxy | Approved | Unknown | | burrow | diablo |
| Essential | elastic-data-processing | Approved | Good progress | Alexander Kuznetsov | savanna | 0.3 |
| Essential | enable-ci-for-anvil | Approved | Unknown | | anvil | |
| Essential | glance-client-v2 | Approved | Good progress | Eddie Sheffield | python-glanceclient | |
| Essential | heat-template | Approved | Unknown | | marconi | icehouse |
| Essential | hook-test-suite-into-gerrit | Approved | Unknown | | staccato | |
| Essential | init | Approved | Started | Boris Pavlovic | rally | 0.1 |
| Essential | node-api-actions | Approved | Good progress | Lucas Alvares Gomes | ironic | icehouse |
| Essential | openstack-auth-integration | Approved | Unknown | | burrow | diablo |
| Essential | pecan-framework | Approved | Unknown | | marconi | icehouse |
| Essential | port-api-actions | Approved | Started | Lucas Alvares Gomes | ironic | icehouse |
| Essential | restructure-documentation | Approved | Good progress | OpenStack Documentation Coordinators | openstack-manuals | havana |


Register a blueprint


[List all blueprints](#)
[List documentation](#)
[Assignments](#)
[Register a blueprint](#)
[Register a meeting](#)


Latest blueprints [All blueprints](#)

 cinder backup improvements
Registered 51 minutes ago

 get_user unittest case
Registered 8 hours ago


 Stress test framework should track and report api success/failures
Registered 17 hours ago

 Removing import-time side-effects from oslo.config
Registered 18 hours ago

 Support for NSX DHCP and metadata services
Registered 20 hours ago

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


Blueprints

 **Ceilometer**

Overview Code Bugs **Blueprints** Translations Answers

Improvements for API v2

Ceilometer » Blueprints » Improvements for API v2


Registered by  Nick Barcet on 2013-03-05

The API needs to evolve in order to solve more advanced questions from billing engines such as:










- Give me the maximum usage of a resource that lasted more than 1h
- Give me the use of a resource over a period of time, listing changes by increment of X volume over a period of Y time
- Provide additional statistical function (Deviation, Median, Variation, Distribution, Slope, etc...)

which could be given as multiple results for a given data set collection

- OR operator in filter

 [Read the full specification](#)

Blueprint information

| | | |
|------------------------|---|--|
| Status: | Approver: | Related branches |
| Started |  Julien Danjou |  Link a related branch |
| Priority: | Drafter: | Related bugs |
| Undefined |  François Charlier |  Link a bug report |
| Direction: | Assignee: | Sprints |
| Approved |  Julien Danjou |  havana-summit-ceilometer |
| Definition: | Series goal: |  Propose for sprint |
| Approved | None  | |
| Implementation: | Milestone target: | |
| Started |  next | |

<https://blueprints.launchpad.net/ceilometer/+spec/api-v2-improvement>

Bugs



The screenshot shows the 'Bugs : Ceilometer' page on Launchpad. At the top, there's a navigation bar with links for Overview, Code, Bugs (selected), Blueprints, Translations, and Answers. Below the navigation bar, the title 'Bugs : Ceilometer' is displayed, followed by a breadcrumb 'Ceilometer » Bugs'. A search bar is present with a 'Search' button. Below the search bar, there's a link for 'Advanced search' and a note that 'Ubuntu also tracks bugs for packages derived from this project: ceilometer in Ubuntu.' The main content area shows '1 → 75 of 95 results'. A table of bugs is displayed with columns for status, priority, and details. The bugs listed include #1218419, #1218488, #1227264, #1060985, #1061817, #1131233, and #1182861, each with a description, package name, and a heat score.

| Order by: | Importance | Status | Number | Title | Package/Project/Series name | Heat |
|-----------|---------------|----------|--|------------|-----------------------------|------|
| CRITICAL | FIX COMMITTED | #1218419 | Documentation on storage engine is not up to date nor complete | Ceilometer | 10 | |
| CRITICAL | FIX COMMITTED | #1218488 | MongoDB connection failures when entire test suite is run | Ceilometer | 10 | |
| CRITICAL | FIX COMMITTED | #1227264 | WSME 0.5b5 returns correct response status codes -- breaking unit tests | Ceilometer | 10 | |
| HIGH | IN PROGRESS | #1060985 | Notifications are lacking for the L3 API (router-interface add and remove) | Ceilometer | 8 | |
| HIGH | CONFIRMED | #1061817 | Efficient implementation of cumulative counter | Ceilometer | 16 | |
| HIGH | CONFIRMED | #1131233 | rpc-api-review: should be able to use non-global conf | Ceilometer | 8 | |
| HIGH | FIX COMMITTED | #1182861 | Switch to oslo.config 1.2.0 final | Ceilometer | 14 | |

<https://bugs.launchpad.net/ceilometer>

PTLs

- Project Technical Leads.
 - A PTL is the elected technical leader of a given OpenStack core project.
- At the end of the planning stage the PTLs triage the submitted blueprints and sets Priority for them.
- The blueprints with a priority above Low will be tracked by Release Management throughout the cycle.

openstack summit

users
devs

PORTLAND // 2013

DESIGN SUMMIT

AND

DEVELOPER LOUNGE







Summit

- Every 6 months the Design Summit gather users and developers
- The Summit closes the Planning phase



Quality



Implementation



800+

Design Summit in Session



No Loitering
No Skateboarding
No Phone Calls
No Loud Talking
No Suits

Search for status:open

| ID | Subject | Owner | Project | Branch | Updated | V | R | A |
|-------------|--|-------------------|----------------------------------|---|---------|----|----|---|
| ▶ I97b22c20 | decouple index name generation from sqlalchemy version | p-draigbrady | stackforge/sqlalchemy-migrate | master (0.8-index_identifier) | 9:25 PM | +1 | ✓ | ✓ |
| I8d1b52e5 | Fix subparsers add_parser() regression | Mark McLoughlin | openstack/oslo.config | master | 9:24 PM | | ✓ | |
| I57763eb1 | VMware: Fixes ignoring multi host scan issue | Kartik Bommepally | openstack/cinder | master (bug/1229654) | 9:24 PM | +1 | | |
| I98aacbbb | Refactor configuring of floating ips on a router | Carl Baldwin | openstack/neutron | master (bug/1209011) | 9:24 PM | +1 | +1 | |
| Ia8429d79 | Remove --pre from tox install command | James E. Blair | openstack-infra/gear | master | 9:23 PM | +1 | ✓ | |
| If86657fb | Add recursive whole-file __include__ tag | Clint Byrum | openstack/tripleo-heat-templates | master (48319) | 9:23 PM | +1 | -1 | |
| I645e0dba | Fix updating attributes with ldap backend | David Stanek | openstack/keystone | master (username-fixes) | 9:23 PM | +1 | | |
| I75ffc4a5 | Require oslo.config 1.2.0 final | Mark McLoughlin | openstack/nova | master | 9:23 PM | +1 | ✓ | |
| I9f5faefc | Update rootwrap with code from oslo | Zhongyue Luo | openstack/nova | master (rootwrap) | 9:23 PM | +1 | -1 | |
| Ib290f8df | Ensure that instances_path is not world readable | David Ripton | openstack/nova | master (bug/1129748) | 9:23 PM | -1 | | |
| Idf3da7d8 | Pin hacking>=0.7.2,<0.8 in global-requirements | Matt Riedemann | openstack/requirements | master (bug/1230277) | 9:22 PM | | +1 | |
| I1c4edb01 | Fix incorrect exception raised during evacuate | timello | openstack/nova | master (bug/1230282) | 9:22 PM | +1 | | |
| I4a6e88c6 | Update man page version | Brant Knudson | openstack/keystone | master (man_version) | 9:22 PM | ✗ | ✓ | ✓ |
| I2c86dabe | Update tox.ini to current standards | Monty Taylor | openstack-infra/zuul | master (47391) | 9:22 PM | | ✓ | ✓ |
| I56482ab3 | Add notification on deleting instance without host | unmesh-gurjar | openstack/nova | master (bug/1211742) | 9:22 PM | +1 | +1 | |
| I9b67e57f | Change Message to extend built-in text type | John Warren | openstack/oslo-incubator | master (bug/1225099) | 9:21 PM | +1 | | |
| I930bb408 | Integer types support in nodes api | Yuriy Zveryanskyy | openstack/ironic | master (nodes-api-integer) | 9:19 PM | +1 | ✓ | |
| I15a7467b | Fixes the usage of PowerVMFileTransferFailed class | Kiyohiro Adachi | openstack/nova | master (bug/1223198) | 9:19 PM | +1 | +1 | |
| Ice6bb74f | Continue to use implicit nullable=True in sqlalchemy | Shane Wang | openstack/nova | master (implicit_nullable) | 9:19 PM | -1 | ✗ | |
| Iaa2eea60 | Refactor create_cloned_volume (WORKINPROGRESS) | Victor Rodionov | openstack/cinder | master (nexenta-iscsi-driver-optimize-create-cloned-volume) | 9:18 PM | +1 | ✗ | |
| I9aa2a7b8 | NFS folder auto sharing | Victor Rodionov | openstack/cinder | master (nexenta-nfs-driver-autosharing-parent-folder) | 9:17 PM | +1 | ✗ | |
| Ic8f5b3b5 | Add pep8 checks to tripleo-image-elements (WORKINPROGRESS) | Monty Taylor | openstack-infra/config | master (40068) | 9:16 PM | +1 | ✓ | |
| Iee69e45d | VMware: fix host aggregate configurations | garyk | openstack/nova | master (bug/1229912) | 9:15 PM | | | |

2 + 1, 0 - 1




```
//  
// Dear maintainer:  
//  
// Once you are done trying to 'optimize' this routine,  
// and have realized what a terrible mistake that was,  
// please increment the following counter as a warning  
// to the next guy:  
//  
// total_hours_wasted_here = 42  
//
```

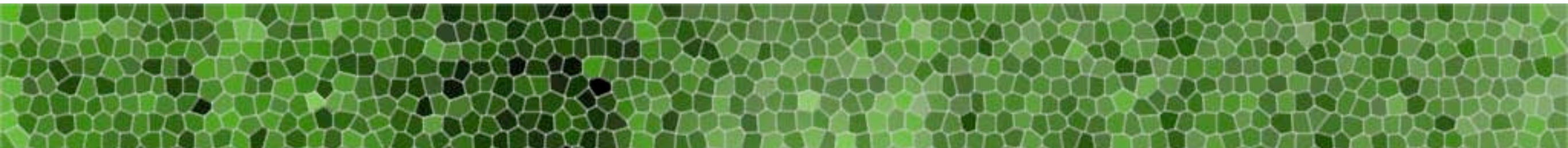
```
//When I wrote this, only God and I understood what I was doing  
//Now, God only knows
```

```
// Magic. Do not touch.
```

```
// I'm sorry.
```


Core Devs

- You need a +1 from a Core Developer
- Core Developers are co-opted among the contributors



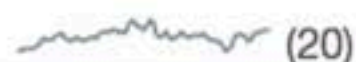


Zuul Status

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: 1 events, 0 results. Filter projects:

check



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

| | | |
|---|---------|--------|
| openstack/horizon | 48302,1 | 15 min |
| gate-horizon-pep8: | SUCCESS | |
| gate-horizon-docs: | SUCCESS | |
| gate-horizon-python26: | SUCCESS | |
| gate-horizon-python27: | SUCCESS | |
| gate-horizon-python27-django14: | SUCCESS | |
| gate-horizon-selenium: | SUCCESS | |
| gate-tempest-devstack-vm-full: | SUCCESS | |
| gate-tempest-devstack-vm-postgres-full: | SUCCESS | |
| gate-tempest-devstack-vm-neutron: | SUCCESS | |
| gate-tempest-devstack-vm-large-ops: | | |
| (non-voting) | | |
| gate-grenade-devstack-vm: | | |

openstack/neutron 46989,4 9 min

gate



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: [openstack-dev/devstack](#), [openstack-dev/functional](#)

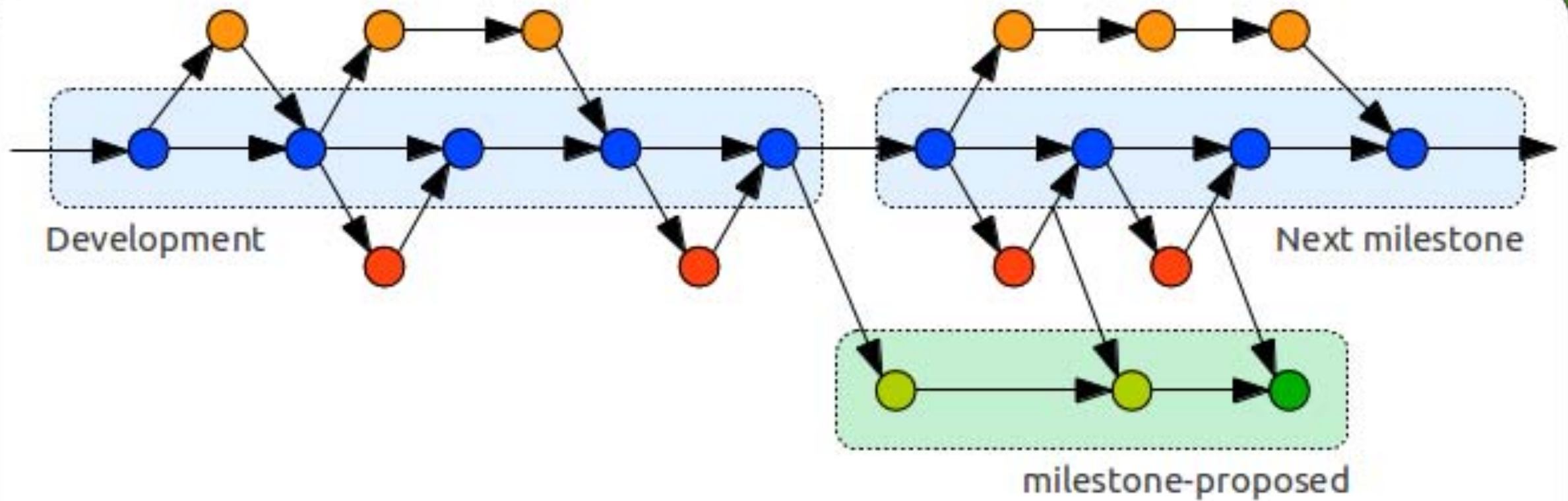
| | | |
|---|---------|--------|
| openstack/keystone | 48172,1 | 25 min |
| gate-keystone-docs: | SUCCESS | |
| gate-keystone-pep8: | SUCCESS | |
| gate-keystone-python26: | | |
| gate-keystone-python27: | | |
| gate-tempest-devstack-vm-full: | | |
| gate-tempest-devstack-vm-postgres-full: | | |
| gate-tempest-devstack-vm-neutron: | | |
| gate-tempest-devstack-vm-large-ops: | | |
| (non-voting) | | |
| gate-grenade-devstack-vm: | | |
| gate-swift-devstack-vm-functional: | | |

post



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

| | | |
|--------------------------------------|---------|---------|
| openstack/neutron | 040ae43 | 0 min |
| neutron-branch-tarball: | SUCCESS | |
| neutron-coverage: | | |
| neutron-docs: | SUCCESS | |
| neutron-upstream-translation-update: | SUCCESS | |
| openstack-infra/config | 7f02f72 | unknown |
| ci-docs: | | queued |
| openstack-infra/zuul | 5f2feaf | unknown |
| zuul-branch-tarball: | | queued |
| zuul-coverage: | | queued |
| zuul-docs: | | queued |



● « master » branch

● « milestone-proposed » branch

● Feature branches

● Bugfixes

● Tagged release/milestone



- Teams are distributed between Paris and Montreal Offices, plus people working remotely from home (somewhere...)
- They used the Openstack collaborative tools (launchpad, wiki, mailing lists, irc channels...)
- Openstack continuous integration tools : Gerrit, Jenkins, Zuul...

Questions?





Thank you!





Alexis Monville



#AOSWay
@alexismonville

stay tuned:
<http://www.the-agile-and-open-source-way.com/>