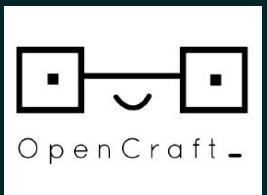




Open edX Con 2022

# So You Want to Become a Core Contributor?

Xavier Antoviaque | Sarina Canelake  
[xavier@opencraft.com](mailto:xavier@opencraft.com) | [sarina@tcril.org](mailto:sarina@tcril.org)

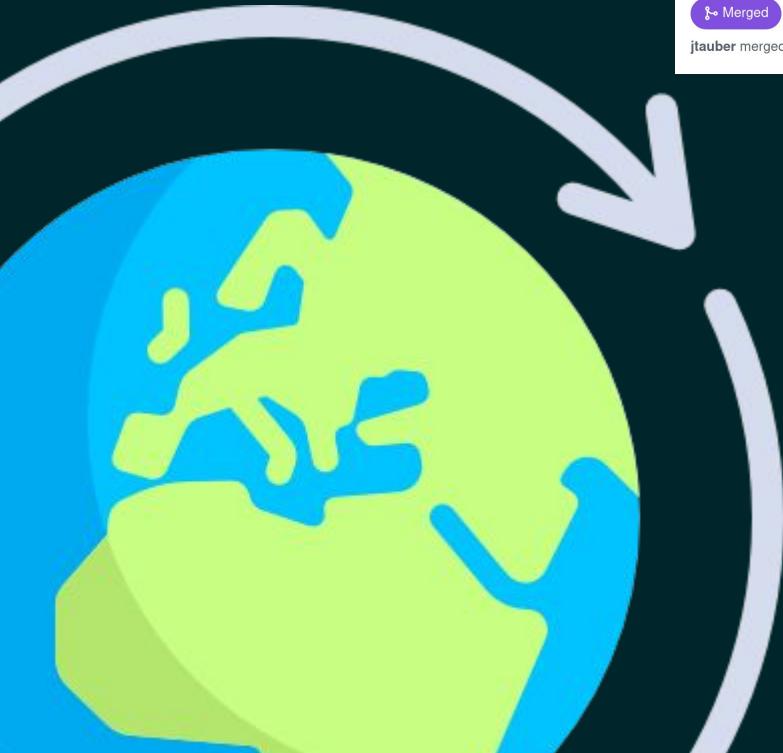


# Xavier... Who are you?

Install steps - Add numpy requirement in manual installation  
steps #34

Merged

jtauber merged 1 commit into [openedx:master](#) from [antoviaque:install-requirements-pre](#) on 2 Jun 2013



OpenCraft -

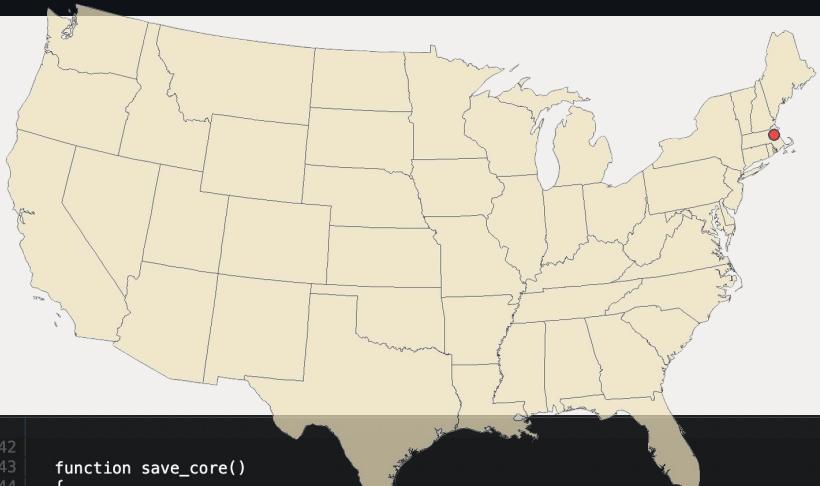


# Sarina... who are you?

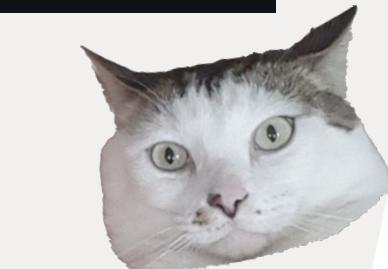
Fix 500 error on reactivation email #235

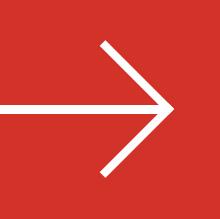
Merged

sarina merged 1 commit into master from sarina/fix-reactivation-email-bug on Jun 21, 2013



```
42
43     function save_core()
44 {
45         # Enable kdump.conf path option; default to /var/crash if none specified
46         KDUMP_PATH=`grep ^path $KDUMP_CONFIG_FILE | cut -d\ -f2-| sed 's%$%%'`
47         if [ -z "$KDUMP_PATH" ]; then
48             coredir="/var/crash/`date +\"%Y-%m-%d-%H:%M\"`"
49         else
50             coredir="$KDUMP_PATH/`date +\"%Y-%m-%d-%H:%M\"`"
51         fi
52
53         mkdir -p $coredir
```

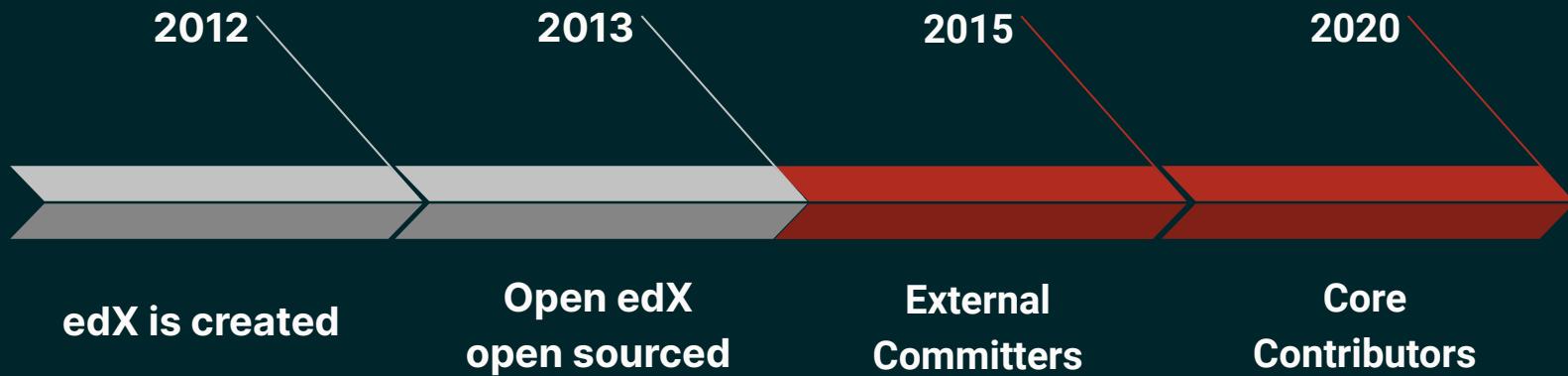




# Core Contributor Program

... what is it?

# a history lesson



The core  
contributor  
program is born!





# Nine Rings of Power

# the program takes off!

2020

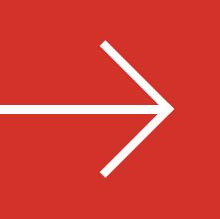
9 core contributors  
all developers

2021

32 core contributors  
including non-dev

May  
2022

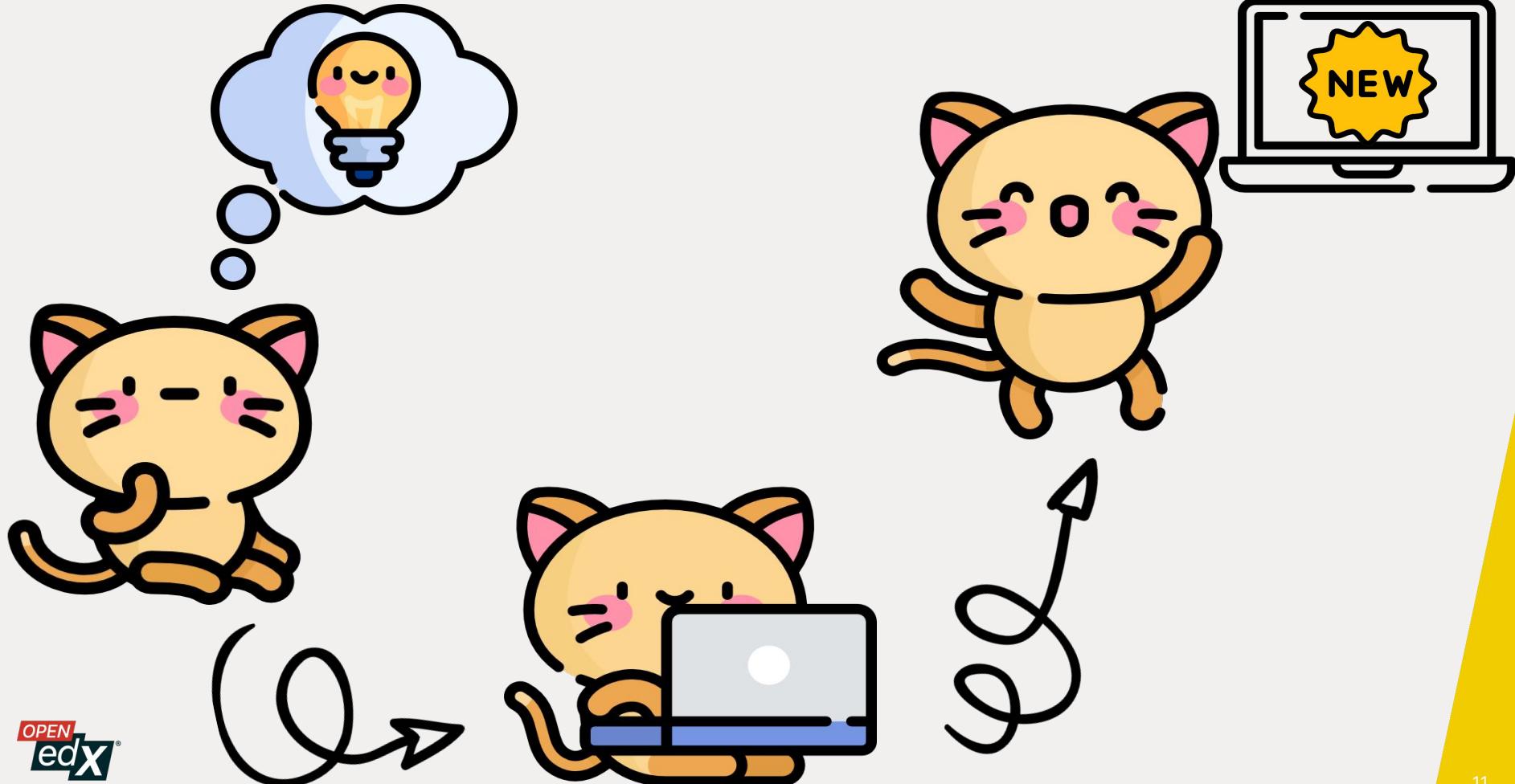
42 core contributors



# Core Contributors

... what do they do?

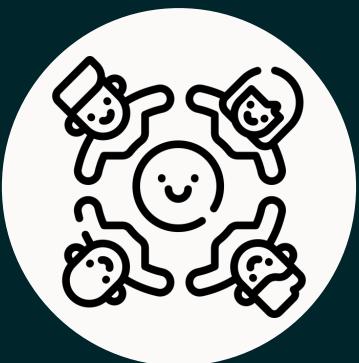




When this baby  
hits 88 miles  
per hour...



# core contributor responsibilities



# core contributor



camaraderie!

## Category

## Topics Latest

**Community**

Discussions about where we come together, how we collaborate, finding each other, helping each other.

Introductions News Events Jobs Discourse  
Show & Tell

1 / week

- InfluxData is looking for a Technical Training M... 21h
- Open edX Platform Architecture Introduction 7d
- Virtual Tickets - 2022 Open edX Conference 8d
- Managing Your Open edX Backend With Terrafo... 8d

**Educators**

Educators' discussion: course creation, learning theory, organizational logistics. How do you use Open edX tools to teach your courses?

Instructional Design Authoring

2 / week

- How to create a multiple choice, "any N out of M..." 1h
- Lock Courses in CMS Studio 17h
- Ordered lists with HTML type 1d

**Development**

Software development in the Open edX world, either as core developers or app and plugin developers.

Architecture Design Releases  
Collaborative Proposals i18n

1 / week

- How to setup openedx devstack on mac m1? 4h
- Hi, how do I convert my Open edX site into a m... 6h
- API Proxy Implementation Question (Sync vs. ... 23h

**Announcements**

Official announcements about Open edX software.

Security Releases Architecture Deprecation

1 / week

- Security: Patch for rate-limiting in edx-platform 13h
- Security: Patch for SAML endpoint configuration 3d
- Deprecation/Removal: edx-notifications repository 9d

**DevOps**

Discussion about running Open edX sites.

Ops Help

11 / week

- How to get help Aug '19
- Authentication for OpenEdx LMS 5h
- Enable ecommerce for Open edX bitnami install... 6h

**Working Groups**

Discussions related to semi-formal working groups.

Learn more about the working groups here.

Marketing Build-Test-Release Data

2 / week

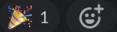
- Core Contributors Introduction Thread! 22m
- Conf BOF: Governance Topics? 4h
- Core Contributor Nomination: Pierre Mailhot 4h

discuss.  
openedx.org

expansion-maria-grimaldi/ 0770 (Comment period until 10 April)

Monday, April 11th ▾

Thanks for taking the time to look! Feel free to comment, questions in the threads. (edited)



Jorge Londoño 12:12

The contributors' meetup [notes](#) have been published. Sorry for the delay 😢

edx Open edX discussions

Open edX Contributors Meetup

Great! Planning to keep doing it 😊

Mar 25th



Tuesday, April 12th ▾



Kelly Buchanan 12:54

 Hi @MariaGrimaldi / @Felipe Montoya can we check in about the Hooks Extension work on course certs? I think you've been talking with @Justin Hynes who is on my team (Aperture) and we "own" certs and credentials / would be the maintainers once OEP-55 manifests. What is the timeline for this work needing to be merged?

Wednesday, April 13th ▾



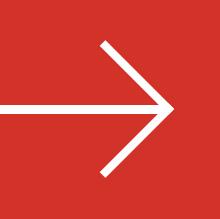
Dean 07:45

The CC Sprint Retrospective &amp; Planning in the Friday app is now open for data submissions. Please add your data when convenient to you.

I just received the email from Friday app for the retrospective, but the linked page is not loading. Can someone else confirm the same? Anyway I just went directly to the Friday app website and that worked.



24 replies Last reply 24 hours ago



# Contributing to the Project...

... why should I (or my organization) do it?

# Individual benefits to contribution





# Work with a friendly community



# Collaboration & Leadership

# Mentorship & Feedback



# Help Humankind!



*It's kind of gettin' awkward now.*

*Core contributing:*  
**even more benefits!**

```
struct group_info init_groups = { .usage = ATOMIC_INIT(2) };
struct group_info *groups_alloc(int gidsetsize){
    struct group_info *group_info;
    int nblocks;
    int i;

    nblocks = (gidsetsize + NGROUPS_PER_BLOCK - 1) / NGROUPS_PER_BLOCK;
    /* Make sure we always allocate at least one indirect block pointer */
    nblocks = nblocks ? 1;
    group_info = kmalloc(sizeof(*group_info) + nblocks*sizeof(gid_t *), GFP_USER);
    if (!group_info)
        return NULL;
    group_info->ngrroups = gidsetsize;
    group_info->nblocks = nblocks;
    atomic_set(&group_info->usage, 1);

    if (gidsetsize <= NGROUPS_SMALL)
        group_info->blocks[0] = group_info->small_block;
    else {
        for (i = 0; i < nblocks; i++) {
            gid_t *b;
            b = (void *)__get_free_page(GFP_USER);
            if (!b)
                goto out_undo_partial_alloc;
            group_info->blocks[i] = b;
        }
    }
    return group_info;
out_undo_partial_alloc:
    while (--i >= 0)
        free_page((unsigned long)group_info->blocks[i]);
    kfree(group_info);
    return NULL;
}

EXPORT_SYMBOL(groups_alloc);

void groups_free(struct group_info *group_info)
{
    if (group_info->blocks[0] != group_info->small_block) {
        int i;
        for (i = 0; i < group_info->nblocks; i++)
            free_page((unsigned long)group_info->blocks[i]);
    }
    kfree(group_info);
}

EXPORT_SYMBOL(groups_free);

/* export the group_info to a user-space array */
static int groups_to_user(gid_t __user *grouplist,
    const struct group_
```

# ACCESS GRANTED

# Dedicated Time



# Join the core team

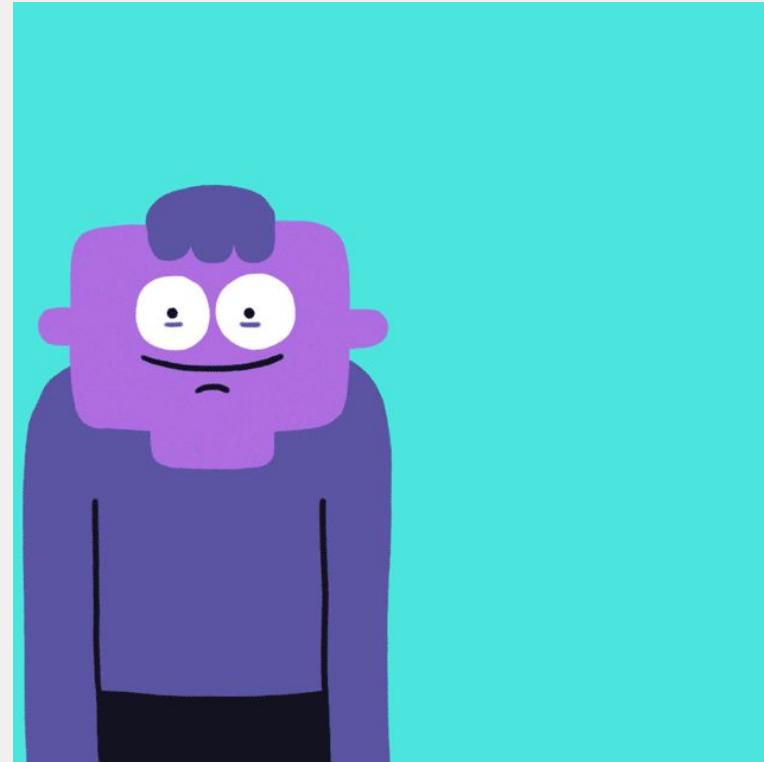


# Recognition & Status

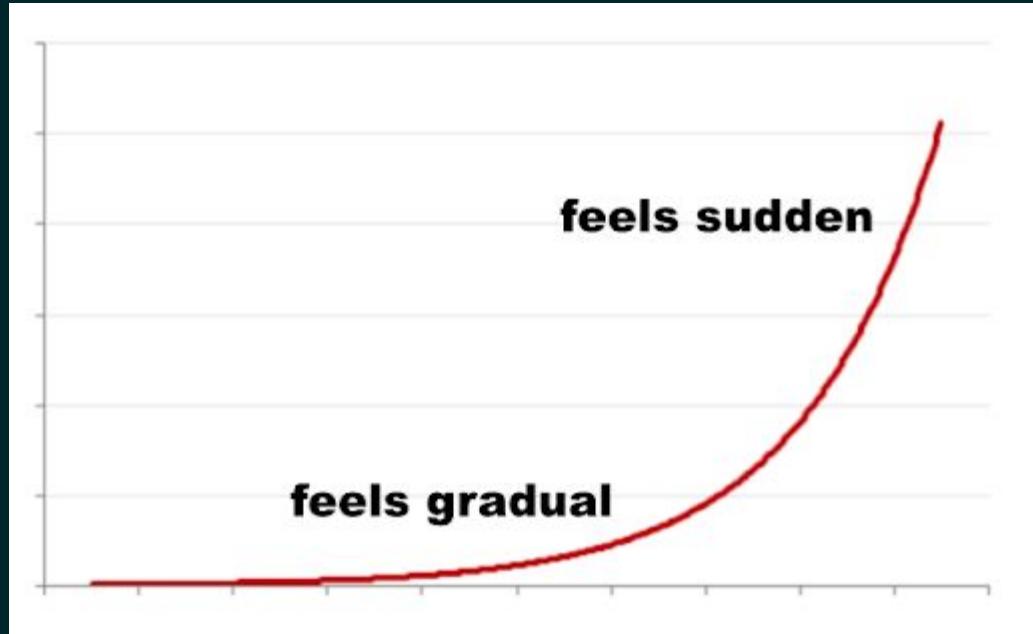


# Organizational benefits

# Avoid duplicate work



# Escape the code drift trap



# Get contributions

The screenshot shows the GitHub repository page for 'openedx / edx-platform'. The repository is public and has 278 open pull requests. The search bar at the top contains the query 'is:pr is:open'. Below the search bar, there are filters for 'Labels' (38) and 'Milestones' (2). A green button labeled 'New pull request' is visible. The main list displays several open pull requests, each with a title, author, labels, and a comment count. Some pull requests have labels like 'blended' and 'needs triage'. The first few pull requests are:

- [BD-14] Install the blockstore app into edx-platform, behind a waffle switch (nutmeg backport) - Author: pomegranated - Labels: blended, needs triage - Comments: 2
- FC-0001: Remove edx-jsme, Molecular Structure Problem type - Author: UvgenGen - Labels: needs triage, open-source-contribution - Comments: 1
- [BD-13][BB-6145] Move the rebind\_noauth\_module\_to\_user from ModuleSystem argument to service - Author: tecoholic - Labels: blended, needs triage - Comments: 1
- Improvements to the warnings report. - Author: nedbat - Labels: needs triage - Comments: 1
- feat: introduce new setting to control IDV requirements for certificates - Author: scheneds - Labels: needs triage - Comments: 1
- fix: fix ResourceWarnings - Author: UsamaSadiq - Labels: needs triage - Comments: 7
- Added date configuration to Schedule & Details settings page - Author: farhaanbukhsh - Labels: needs triage, open-source-contribution - Comments: 3

# Employees as core contributors



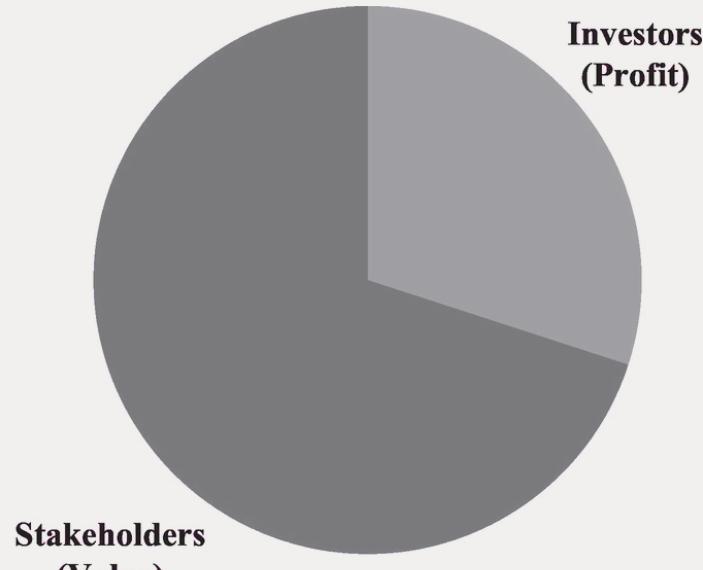
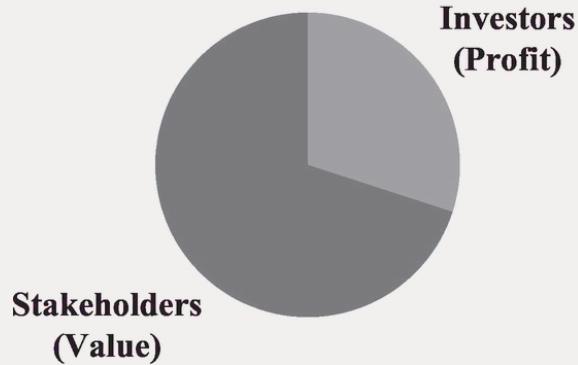
# Branding



# Gain influence



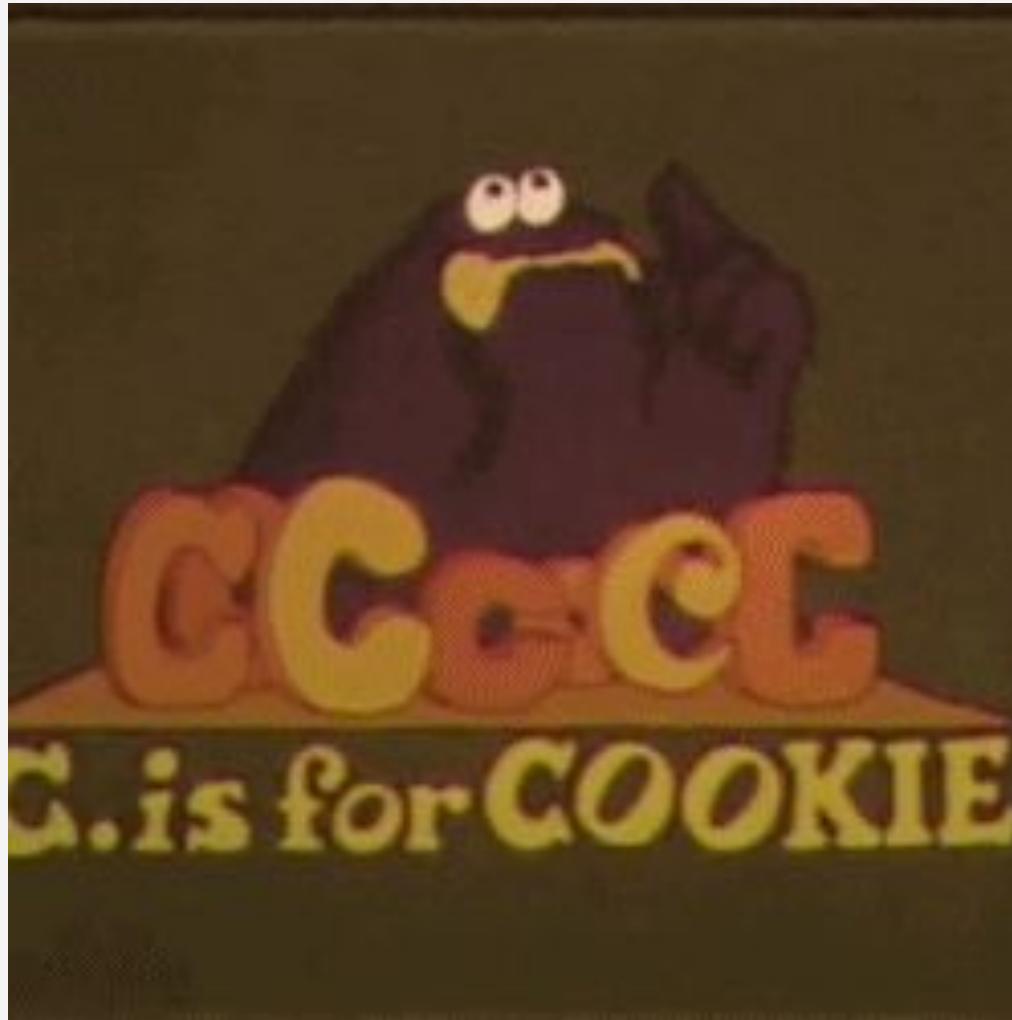
# Grow the pie





# OK, I'm convinced

... how do I sign up?



# commitment!



# conduct!



# caliber!

**Changes approved**  
1 approving review by reviewers with write access. [Learn more.](#)

**1 approval**

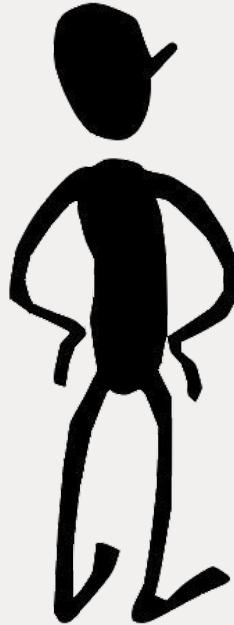
**All checks have passed**  
11 successful and 6 neutral checks

**Hide all checks**

- Node.js CI / tests (12) (pull\_request)** Successful in 5m
- Node.js CI / tests (14) (pull\_request)** Successful in 5m
- Node.js CI / tests (16) (pull\_request)** Successful in 7m
- Lint Commit Messages / commitlint / commitlint (pull\_request) ...**
- Header rules - paragon-edx** Completed in 3m — No header rule...
- Header rules - paragon-openedx** Completed in 5m — No heade...

**This branch has no conflicts with the base branch**  
Merging can be performed automatically.



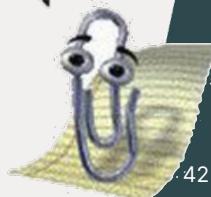


# Commitment

# conduct

# Caliber

I see you're trying  
to become a Core  
Contributor. Would  
you like help with that?





[openedx.org/working-groups](https://openedx.org/working-groups)





**provide help & feedback**

Filter by keyword or by field

**Ideation** 57

platform-roadmap #126

LTI Directory - Course Level Content Blocks v1

Authoring/Operating Experience

content blocks -- external -- LTI blocks

platform-roadmap #5

Digital Credentials Consortium Integration

Learner Experience

Extensions and plugins

needs definition

platform-roadmap #36

Platform Remote API Standardization

Customization Experience

Extensions and plugins

debt paydown

needs definition

platform-roadmap #7

New default analytics capability to replace Insights

+ Add item

**Prioritized** 0

...

platform-roadmap #2

**Discovery** 4

...

platform-roadmap #2

Courses based on atomic learning units

Authoring/Operating Experience

Enhancement OpenCraft discovery

tcril-engineering #146 ...

Discovery: MFE Extensibility and Pain Points

Customization Experience tCRIL

discovery epic

platform-roadmap #67

Learning Core Platform Arch Discovery

Architecture/Platform tCRIL

debt paydown

platform-roadmap #130

Open edX Documentation Restructure: Discovery

+ Add item

+ Add item

**Backlog** 5

...

platform-roadmap #4

Improved Development Environment Experience

Deployment Experience

Enhancement

tCRIL needs definition

platform-roadmap #15

Upgrade Frontend Frameworks

Customization Experience Maintenance

tCRIL

platform-roadmap #9

Hooks: Events and Filters (Phase 3)

Data/Analytics

Enhancement

tCRIL

Nutmeg

needs definition

platform-roadmap #24

edX Branding Sweep and Removal in MFEs

+ Add item

# Contribution process

We welcome contributions to the Open edX code base. You should start by working with the community and the edX Open Source team early, before writing any code. They can help you define requirements, understand the roadmap, and find collaborators.

Our [detailed process documentation](#) explains the entire workflow. Understanding these steps will help maintain the highest code quality standards, and make integrating your changes as smooth as possible.

To get going as a code contributor, [use this documentation](#). You will need to complete an individual contributor agreement before submitting a pull request. Your changes will be triaged and reviewed by Open edX committers. This process can take some time. Be patient, and keep the lines of communication open.

If you have any questions, [connect with the community on our Forums or Slack](#).



**[openedx.org/contributing](https://openedx.org/contributing)**

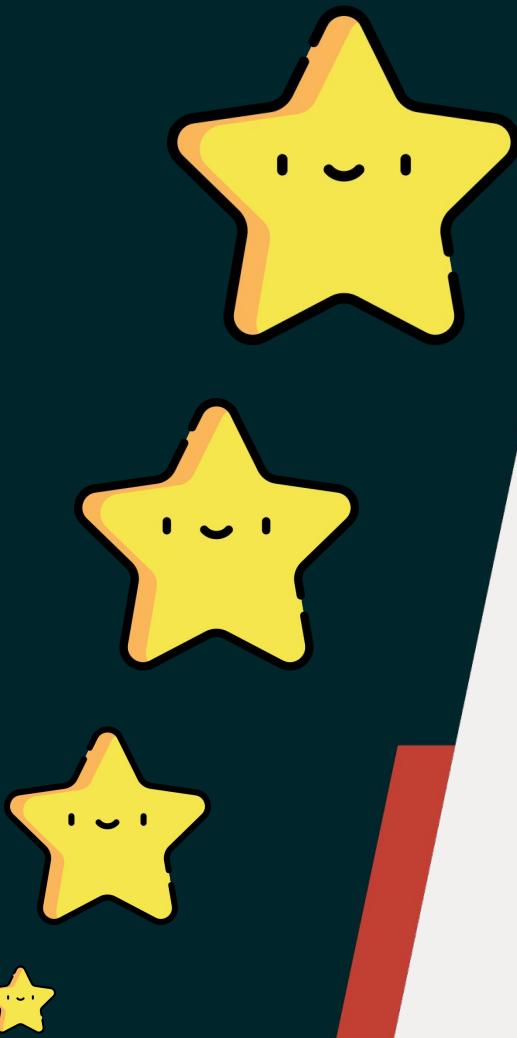


[discuss.openedx.org](https://discuss.openedx.org)



[openedx.org/slack](https://openedx.org/slack)



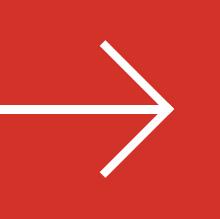


#core-contributors (Open edX Slack)

## Core Contributors forum category

Anyone here with a CC t-shirt!  
cc-program-admins@tcril.org

OEP-54



# Thank You!

... please ask us questions!

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