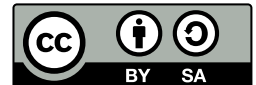# Unpack Phabricator, Welcome Phorge

Forking the Opinionated, Open Source, Collaboration Suite

Fediverse · Mastodon:

@phorge @fosstodon.org

#phorge #fosdem

Hi! I'm bozz

Nickname   bozz
Atk/Def   +1/+2
Avoidance   +2

Occupation: DevOp copterizer
Quests:
    Italian Linux Society
        Board Director
    Wikimedia Italy
        Tech Commission
    Wikipedia [it]
        Bot maintainer
    OpenStreetMap
        10K~ contributions
    F-Droid
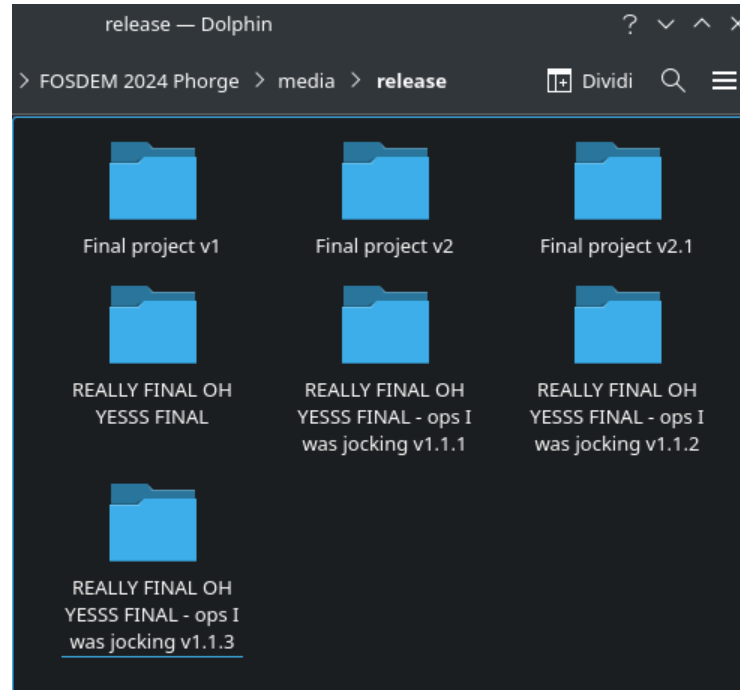   app publisher
    Phorge
        Blessed committer

Country	Production in 2021[17] (tonnes)
🇹🇷 Turkey	684,000
🇮🇹 Italy	84,670
🇺🇸 United States	70,310
🇦🇿 Azerbaijan	67,630
🇬🇪 Georgia	46,000
🇨🇱 Chile	35,291
World	1,077,117

100% FLOSS
Hazelnuts!

Made in
Italy
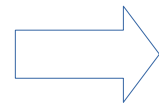With Phorge

Version Control of Software

Software for Version Control - war

archived files
release_final_project_v2_final_really_1970.zip   (Linux 1991-2002)

BitKeeper · **proprietary**
distributed
2000 (4 May)   (Linux 2002-2005)

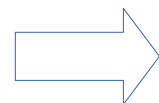**Apache Subversion ("svn")** · Apache License
linear
2000 (20 October)   (still in use)

git · GNU GPL v2
distributed · C
2005 (7 April)   (started for Linux)

Mercurial (hg) · GNU GPL v2+
distributed · Python, C Rust
2005 (19 April)   (FB, W3C, Mozilla, Google. ...)

GNU Bazaar (bzr) · GNU GPL v2+
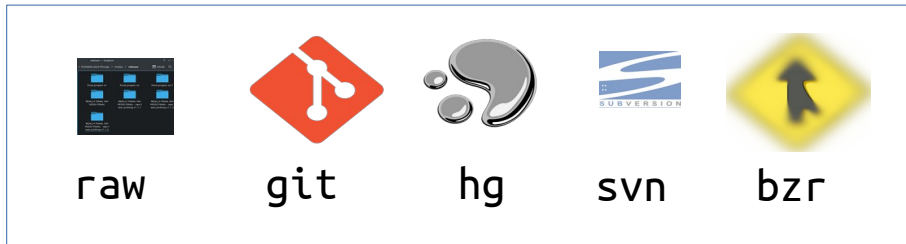distributed · Python, C
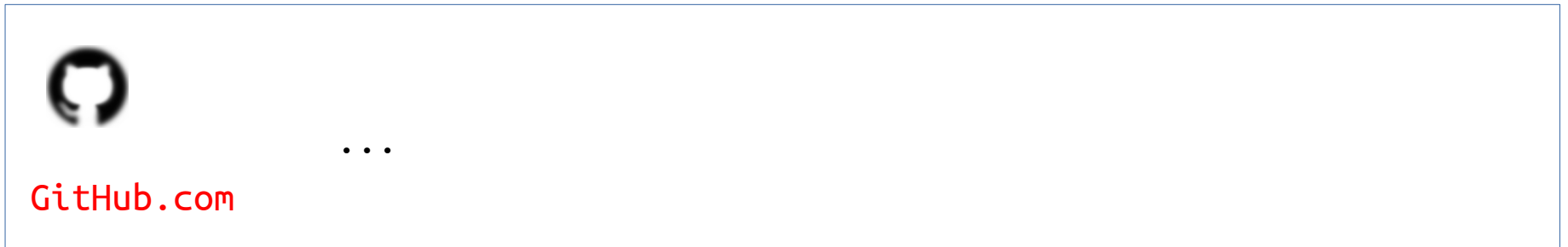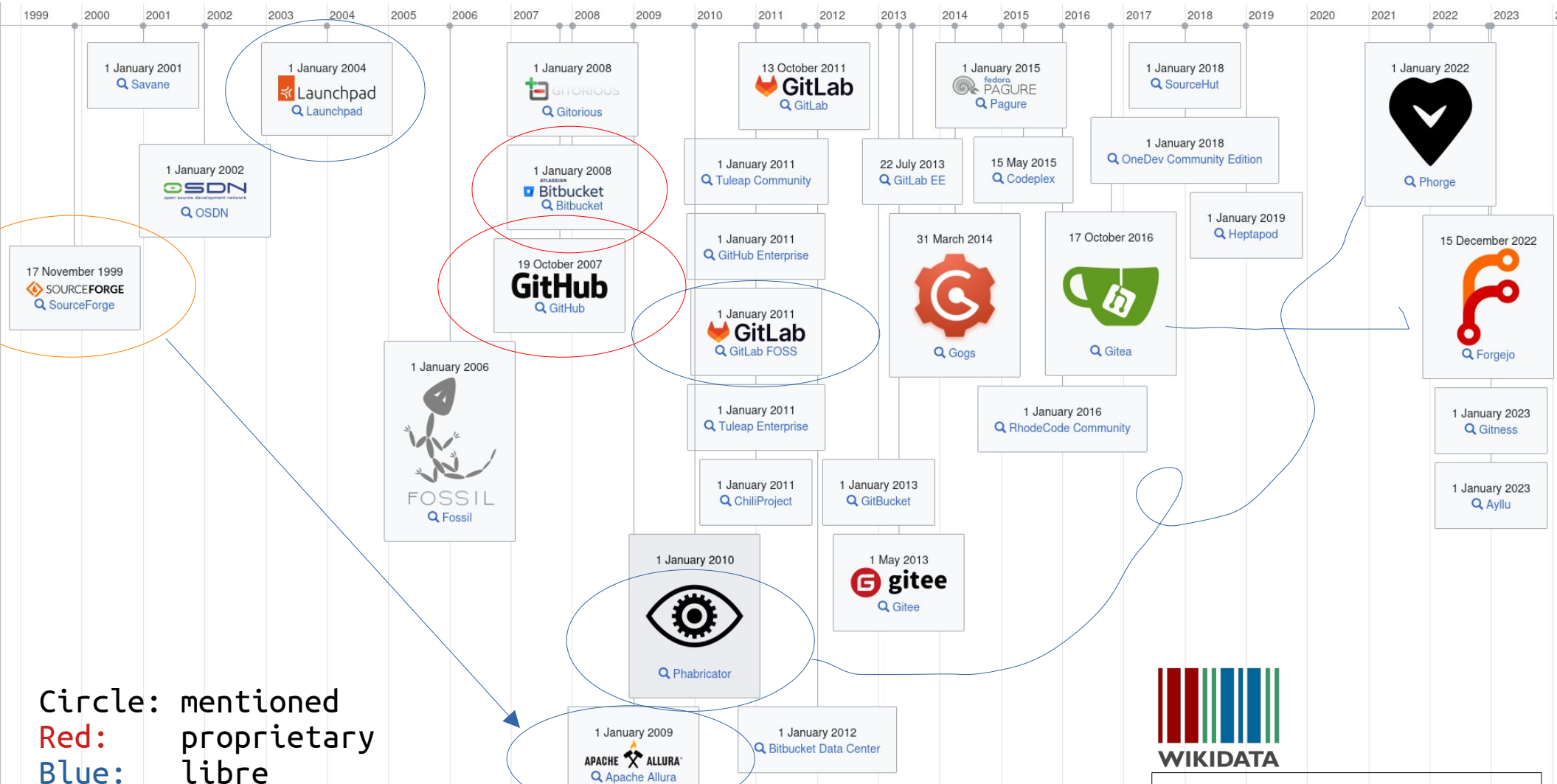2005 (26 March)   (Canonical Ubuntu)

Software Collab Platforms to Manage Software Version Control to Manage Software

Version Control (nowadays, 100% libre)

raw   git   hg   svn   bzr

Collab Platforms (giant proprietary ones, many libre ones)

...

GitHub.com

Timeline years: 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023

1 January 2001
Q Savane

1 January 2004
Launchpad
Q Launchpad

1 January 2008
GITORIOUS
Q Gitorious

13 October 2011
GitLab
Q GitLab

1 January 2015
fedora PAGURE
Q Pagure

1 January 2018
Q SourceHut

1 January 2022
Phorge
Q Phorge

1 January 2002
OSDN
open source development network
Q OSDN

1 January 2008
Bitbucket
Q Bitbucket

1 January 2011
Q Tuleap Community

22 July 2013
Q GitLab EE

15 May 2015
Q Codeplex

1 January 2018
Q OneDev Community Edition

17 November 1999
SOURCEFORGE
Q SourceForge

19 October 2007
GitHub
Q GitHub

1 January 2011
Q GitHub Enterprise

1 January 2019
Q Heptapod

15 December 2022
Forgejo
Q Forgejo

1 January 2006
FOSSIL
Q Fossil

1 January 2011
GitLab
Q GitLab FOSS

31 March 2014
Gogs
Q Gogs

17 October 2016
Gitea
Q Gitea

1 January 2011
Q Tuleap Enterprise

1 January 2016
Q RhodeCode Community

1 January 2023
Q Gitness

1 January 2011
Q ChiliProject

1 January 2013
Q GitBucket

1 January 2023
Q Ayllu

1 January 2010
Phabricator
Q Phabricator

1 May 2013
gitee
Q Gitee

1 January 2009
APACHE ALLURA
Q Apache Allura

1 January 2012
Q Bitbucket Data Center

Circle: mentioned
Red: proprietary
Blue: libre
Orange: now libre

WIKIDATA

https://w.wiki/94Xh

Timeline of code hosting / forge platforms:

- 1999 — 17 November 1999 — SourceForge
- 2001 — 1 January 2001 — Savane
- 2002 — 1 January 2002 — OSDN (open source development network)
- 2004 — 1 January 2004 — Launchpad
- 2006 — 1 January 2006
- 2007 — 19 October 2007 — GitHub
- 2008 — 1 January 2008 — Gitorious
- 2008 — 1 January 2008 — Bitbucket
- 2009 — 1 January 2009 — Apache Allura
- 2010 — 1 January 2010 — Phabricator
- 2011 — 1 January 2011 — Tuleap Community
- 2011 — 1 January 2011 — GitHub Enterprise
- 2011 — 1 January 2011 — GitLab FOSS
- 2011 — 1 January 2011 — Tuleap Enterprise
- 2011 — 1 January 2011 — ChiliProject
- 2011 — 13 October 2011 — GitLab
- 2012 — 1 January 2012 — Bitbucket Data Center
- 2013 — 1 January 2013 — GitBucket
- 2013 — 1 May 2013 — gitee
- 2013 — 22 July 2013 — GitLab EE
- 2014 — 31 March 2014 — Gogs
- 2015 — 1 January 2015 — fedora PAGURE / Pagure
- 2015 — 15 May 2015 — Codeplex
- 2016 — 1 January 2016 — RhodeCode Community
- 2016 — 17 October 2016 — Gitea
- 2018 — 1 January 2018 — SourceHut
- 2018 — 1 January 2018 — OneDev Community Edition
- 2019 — 1 January 2019 — Heptapod
- 2022 — 1 January 2022 — Phorge
- 2022 — 15 December 2022 — Forgejo
- 2023 — 1 January 2023 — Gitness
- 2023 — 1 January 2023 — Ayllu

WAIT

Wikidata Query Service   🗁 Examples   ❓ Help ▾   ⚙ More tools ▾   Query Builder   ⚆A English

```
1  # Collaborative software by creation date
2  # Author: [[User:Valerio Bozzolan]] and contributors
3  # Date: 2024
4  # License: CC 0, public domain
5  # https://www.wikidata.org/wiki/User:Valerio_Bozzolan
6  #defaultView:Timeline
7  SELECT
8    ?item
9    ?itemLabel
10   ((SAMPLE(?image)) AS ?image) # Expose whatever logo. Just one.
11   ((MIN(?pub_date)) AS ?date)  # Minimum date. (between publication date and inception).
12 WHERE
13 {
14   # Item MUST be a "forge" or any subclass of it
15   ?item wdt:P31/wdt:P279* wd:Q3077240.
16
17   # Item MUST have a publication date or inception date.
18   ?item wdt:P577|wdt:P571 ?pub_date.
19
20   # Item MAY have a lovely logo.
21   OPTIONAL {
22     ?item wdt:P154 ?image.
23   }
24
25   # English label
26   SERVICE wikibase:label { bd:serviceParam wikibase:language "[AUTO_LANGUAGE],en". }
27 }
28
29 # Group by item
30 GROUP BY ?item ?itemLabel
```

🗎 Timeline ▾ ❓   ↕ ↔ 🔍 🔍   32 results in 852 ms   </> Code   ⬇ Download ▾   ⚯ Link ▾

1999   2000   2001   2002   2003   2004   2005   2006   2007   2008   2009   2010   2011   2012   2013   2014   2015   2016   2017   2018   2019   2020   2021   2022   2023

17 November 1999 — SOURCEFORGE — 🔍 SourceForge

1 January 2002 — OSDN open source development network — 🔍 OSDN

1 January 2004 — Launchpad — 🔍 Launchpad

1 January 2006 — FOSSIL

1 January 2009 — APACHE ALLURA — 🔍 Apache Allura

13 October 2011 — GitLab — 🔍 GitLab

31 March 2014

17 October 2016 — 🔍 Gite...

1 January 2019 — 🔍 Heptapod

1 January 2022

1 January 2001 — 🔍 Savane

1 January 2008 — GITORIOUS — 🔍 Gitorious

1 January 2011 — 🔍 Tuleap Community

1 May 2013 — gitee — 🔍 Gite...

...01... — ...eple...

1 January 2018 — 🔍 SourceHut

15 December 2022

Phabricator in 14 seconds

- Cover a big blue social network
  - → MANY repositories
  - → MANY version control software
  - → MANY teams
  - → emails emails emails

2010, Evan Priestley creates a piece of Phabricator to avoid "email patches"
  Adopted by Facebook, Mozilla, FreeBSD, Wikimedia Foundation, KDE, Quora, Twitter, Lubuntu, Asana, Pinterest, …

...

2020, Phabricator still actively maintained

2021, Phabricator is no longer actively maintained :(

2021, Phabricator is forked in **Phorge**

Unique Features of Phabricator / Phorge

- PHP :D
  - → If you know how to install a WordPress blog, you can Phorge
- Excellent ratio "features / resources"
  - ready for a single board computers, toasters, etc.
- Easy to scale: 60 databases :D :D :D
  - If one becomes big, move just it on another server, no monolithic database
- **Non-repository-centric** bug tracker
- Git + Subversion + Mercurial (!)
- Advanced security policies
  ("not visible by my boss when Moon is full")
- Pre-commit + post-commit review
- Default support for local *lint* + *unit* tests (→ FAST, on developer computer)
- Calendar, Q/A, Secret password manager, Meme generator, ...
- Custom Fields! For Users, Tasks, etc.
- Encourages forking (FORKING IS GOOD! <3) consumers can easily keep vertical local patches / extend

Differential

(The very first component of Phabricator/Phorge)

Online code-review platform for git, Mercurial and Subversion

---

📄 **src/applications/project/trigger/SuperInterestingConfigurationFile.php**   ☰ View Options

Show First 20 Lines • Show All 93 Lines • ▼ Show 20 Lines   3   `final class SuperInterestingConfigurationFile {`

```
 94    }                                                          94    }
 95                                                               95
 96    private static function getSoundMap() {                    96    private static function getSoundMap() {
 97      return array(                                            97      return array(
 98        'wow' => array(                                        98        'wow' => array(
 99          'name' => pht('Wow'),                                99          'name' => pht('Wow'),
100          'uri' => celerity_get_resource_uri('/rsrc/audio/basic/wow.mp3'),  100  'uri' => celerity_get_resource_uri('/rsrc/audio/basic/wow.mp3'),
101        ),                                                    101        ),
                                                                 102        'soft-helicopter' => array(
                                                                 103          'name' => pht('Elicopterize'),
                                                                 104          'uri' => celerity_get_resource_uri('/rsrc/audio/basic/elicopterize.mp3'),
                                                                 105        ),
102        'things' => array(                                    106        'things' => array(
103          'name' => pht('Things'),                            107          'name' => pht('Things'),
```

> **federica-stefanelli** Author   Unsubmitted   ☑ Done ▾
>
> ```
>          'hl' => array(
>            'name' => pht('Helicopter'),
>            'name' => pht('Helicopterize'), // TODO: change this
>            'uri' => celerity_get_resource_uri('/rsrc/audio/basic/ting.mp3'),
> ```
>
> I like this **@mariangela** but my computer exploded immediately. Maybe better to test this on our FreeBSD 'helicopterize' server.

```
104        'uri' => celerity_get_resource_uri('/rsrc/audio/basic/ting.mp3'),  108  'uri' => celerity_get_resource_uri('/rsrc/audio/basic/ting.mp3'),
105        ),                                                    109        ),
106      );                                                      110      );
107    }                                                         111    }
108                                                              112
109    public function getSoundEffects() {                       113    public function getSoundEffects() {
```

Show All 14 Lines

Phabricator

Projects › Fundraising-Backlog › Workboard

Fundraising-Backlog
Workboard
Open Tasks

Members
Manage

Triage (Default)   18 | 0

T356479 Show total amount once donor chooses amount - upgrading landing page

T356478 Add 'other' amount field to the upgrading page

T107391 Amazon recurring (Epic)
Epic · Recurring-Donations
FR-Amazon

T356445 Matching gift import

T356373 Upgrading project Confirmation email

T356370 Upgrading project Landing pages code

T356361 CiviCRM tests timing out in CI
Release-Engineering-Team
Wikimedia-Fundraising-CiviCRM
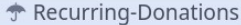
Current Sprint   41 | 18

T355852 Missing coverage
2 · Fundraising Sprint: brb()
Patch-For-Review
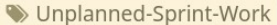
T356224 Remove Auto Rescue Message from Pending Table
Recurring-Donations
Fundraising Sprint: brb()
Patch-For-Review
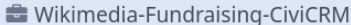
T356365 Deploy & potentially enable 'The Island' theme
fundraising-tech-ops
Wikimedia-Fundraising-CiviCRM
Unplanned-Sprint-Work
Fundraising Sprint: brb()

T356366 Fix no-thank-you reason default
fundraising-tech-ops
Wikimedia-Fundraising-CiviCRM
Unplanned-Sprint-Work
Fundraising Sprint: brb()

Sprint +1   27 | 47

T352992 Update fundraising-dev scripts to use docker compose v2
FR-Docker

T355448 Revisit old PayPal bugs, delete code if no longer needed
FR-Paypal
Wikimedia-Fundraising-CiviCRM

T342013 Measure donation processing rate (once we decide what that is)

T324520 SEPA direct debit as mainstream payment method in EU campaigns

T339937 Enable Vipps through Adyen
FR-Adyen

T327728 Revisit deduper interface with a view to making it possible to do a search in search kit to dedupe
8 · Wikimedia-Fundraising-CiviCRM

Sprint

⚓ **Maniphest** ❯ **Create Task**

Create Task (✅ Simple)

Title	Simple Task about things
Assigned To	Type a username...
Description	**B** *I* T̲ 🔗 ☰ 🔢 </> 🗨 ⊞ ☁ | 🙂
Visible To	Space S1: Public ⇕ 🌐 Public (No Login Required) ▼
Tags	Type a project name...

DESCRIPTION PREVIEW

Create Task (😑 Nightmare)

Title	Super Confusing Task
Assigned To	👤 valerio.bozzolan (Valerio Bozzolan) ×
Status	Open ⇅
Priority	Unbreak Now! ⇅
Points	4
Description	**B** *I* T 🔗 ≣ ≣ </> 🗨 ⊞ ☁ 🙂 ⤢ 📄
Visible To	Space S1: Public ⇅ 🌐 Public (No Login Required) ▾
Editable By	👥 All Users ▾
Tags	🏷 Privacy ×
Subscribers	Type a user, project, package, or mailing list name...
Reported By (original)	Type a username...
Changelog (EN)	Fixed ...
	Changelog in English
Changelog (IT)	Nuova

Phabricator

Advanced Search

The Advanced Search is… advanced! \o/

Query	
Assigned To	Type a username or function...
Tags	👥 Fundraising-Backlog ×
Authors	Type a username or function...
Subscribers	Type a username, project, mailing list, package, or function...
Statuses	✳ Any Open Status ×
Priorities	➜ High ×
Subtypes	Type a task subtype name...
Open Parents	Show Only Tasks With Open Parents ⬍
Open Subtasks	(Show All) ⬍
Group By	Status ⬍
Order By	Creation (Newest First) ⬍
Spaces	Type a space name...
Due Date After	
Due Date Before	
Other Assignee	Type a username...

Active Revisions

Must Review

D25526 Avoid exception in revision timeline when left diff does not exist

`+` · Reviewers: O1: Blessed Committers

D25517 Mark manually created Diffs as new objects to fix empty Feed transaction entries

`+` · Reviewers: O1: Blessed Committers

D25472 Update PhpunitTestEngine.php and ArcanistPhpunitTestResultParser.php to use junit output rather than json.

`+-` · Reviewers: O1: Blessed Committers

🚩 **D25428 Fix the issue about persistent chat setting icon being clickable when the chat is collapsed**

`+-` · Reviewers: O1: Blessed Committers

🚩 **D25011 Remove CircleCI specific code from all over the place**

`++-` · Reviewers: O1: Blessed Committers, Ekubischta

Ready to Review

No revisions are waiting on you to review them.

Ready to Land

No revisions are ready to land.

Ready to Update

D25118 Remarkup: make less internal links open in new tabs

`+++-` · Reviewers: O1: Blessed Committers, Cigaryno, speck

Drafts

You have no draft revisions.

GitPull.it

QUERIES

Month View

Day View

Upcoming Events

All Events

Edit Queries...

SEARCH

Advanced Search

IMPORT/EXPORT

Imports

Exports

March 2023

Monday	Tuesday
09 27	
10 6	
11 13	

Calendar

Today

📅 FOSDEM — All Day

Tomorrow

Clear sailing ahead.

Tuesday

Clear sailing ahead.

Create Herald Rule: Commits

Rule Name | When a commit arrives, do something | Required

This **Global** rule triggers for **Commits**.

Conditions

When [all of ⇅] these conditions are met:

Auditors ⇅	include none of ⇅	👤 valerio.bozzolan (Valerio Bozzolan) ×
Branches ⇅	contains ⇅	main
Repository ⇅	is any of ⇅	</> R4 Libre BusTO ×
Affected files ⇅	contains ⇅	foo.txt

Action

Take these actions [every time this rule matches: ⇅]

[Add subscribers ⇅] 👤 valerio.bozzolan (Valerio Bozzolan) ×

[Cancel] [Save Rule]

🚢 BusTO Build Plan

🌐 Public

Build Steps

Step 1.1 Wait for Previous Commits to Build

Wait for previous commits to finish building the current plan before continuing.

Step 2.1 Lease BusTO Working Copy

Build a working copy in Drydock.

Depends On

✅ Build Step   Wait for Previous Commits to Build

Output Artifacts

⊘ Working Copy   Leased BusTO Working Copy

Step 3.1 Drydock: Clean Gradle

Run command **gradle clean** on **Leased BusTO Working Copy**.

Depends On

✅ Build Step   Lease BusTO Working Copy

Input Artifacts

⊘ Drydock Lease   Leased BusTO Working Copy

All Buildables

✅ **Buildable 512** [R4:a6d1acd7ace1: Release version 2.1.4](#)
R4

✅ **Buildable 511** [D153: Release version 2.1.4](#)
Diff 481

✅ **Buildable 510** [D152: Release F-Droid version 2.1.4](#)
Diff 480

✅ **Buildable 509** [R4:29d872aaf338: Button behaviour change when location is disabled](#)
R4

✅ **Buildable 508** [D151: Button behaviour change when location is disabled](#)
Diff 478

✅ **Buildable 507** [D151: Button behaviour change when location is disabled](#)
Diff 476

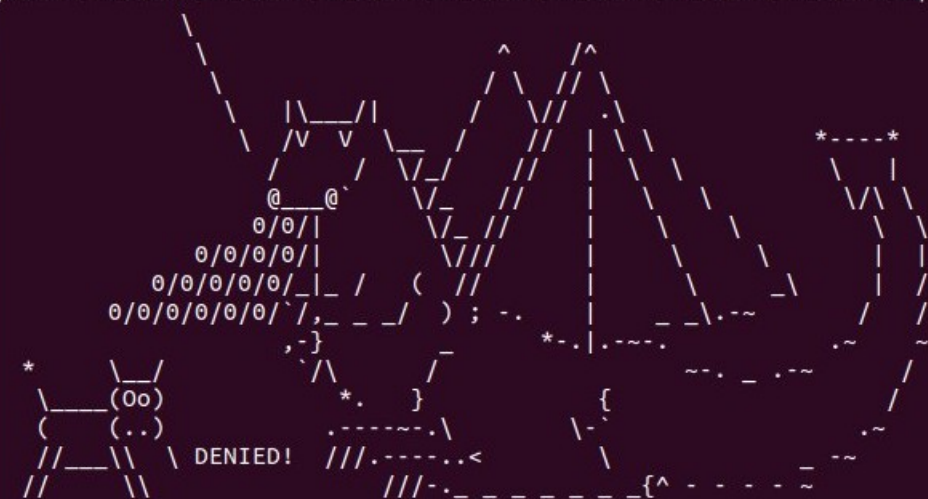✅ **Buildable 506** [R4:ed18ea897834: Release F-Droid version 2.1.3](#)
R4

✅ **Buildable 505** [D150: Release F-Droid version 2.1.3](#)
Diff 474

✅ **Buildable 504** [R4:05924c01931a: Changelog generator: always try to create metadata](#)
R4

```
Sending         log/99G2GlsWs.log
Transmitting file data .............done
Committing transaction...
svn: E165001: Commit failed (details follow):
svn: E165001: Commit blocked by pre-commit hook (exit code 1) with output:
+--------------------------------------------------------+
|      * * * PUSH REJECTED BY EVIL DRAGON BUREAUCRATS * * *      |
+--------------------------------------------------------+
           \
            \
             \                          / \  //\
              \    |\___/|              /   \//  .\
               \   /V  V  \__          /   //  | \ \          *----*
                  /     /  \/_/        //   |  \  \          \   |
                  @___@`    \/_  //    |   \   \   \         \/\  \
                 0/0/|       \/_ //    |    \    \   \        \  \ \
                0/0/0/0/|        \///   |     \    \   \        |  | |
               0/0/0/0/0/_|_ /   (  //  |      \    \    \       |  |  /
              0/0/0/0/0/0/`/,_ _ _/  )  ; -.   |     _ _\.-~        /  /
                      ,-}        _    *-.|.-~-.        .~    ~
     *      \__/      `/\      /           ~-. _ .-~      /
      \____(Oo)       *.   }          {                   /
      (    (..)     .-----~-.\         \-`              .~
      //___\\  \ DENIED!  ///.----..<         \            _ -~
     //     \\       ///-._ _ _ _ _ _ _{^ - - - - ~
```

ENORMOUS CHANGE
Enormous change protection is enabled for this repository, but you are pushing an enormous change ("2"). Edit the repository configuration before ma

Content Exception: Diff Parse Exception: Expected hunk target '+++ path/to/file.ext (revision N)'.

```
     101              this._errList = new ArrayList<String>();
     102              this._errList.add("Dati non accettabili: Valore C/Assegno negativo.");
     103
     104    Added: jar/axis-1.4.jar
     105    ================================================================
>>>  106    (Binary files differ)
     107
     108    Index: jar/axis-1.4.jar
     109    ================================================================
     110    --- jar/axis-1.4.jar    2021-07-09 14:32:58 UTC (rev 1)
```

Phorge and Fluffy Automations

sgtm

Submit

→

SEEMS GOOD TO ME
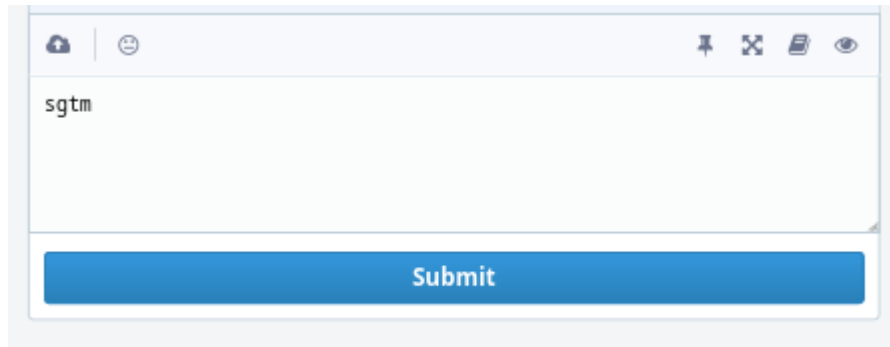
Go Phorge! Welcome new hackers!

we.phorge.it

Example appreciated contributors:

Designers!

PHP developers

Docker developers

Flathub lovers

Every question receives a weird sticker \o/

Media Credits & Libre Licenses (1)

Media Credits & Libre Licenses (2)

- https://commons.wikimedia.org/wiki/File:GitHub%20Invertocat%20Logo.svg
  AAAAAH DON'T USE THE GITHUB LOGO – HERE JUST TO MENTION IT – HERE IN LOW QUALITY

- Evan Priestley photo HERE JUST TO MENTION THEM – DON'T REUSE THAT PHOTO! AAAH!
  https://secure.phabricator.com/p/epriestley/

- https://commons.wikimedia.org/wiki/File:Gitea_Logo.svg

- https://commons.wikimedia.org/wiki/File:GitLab_icon.svg

- https://commons.wikimedia.org/wiki/File:Wikidata-logo-en.svg

Check the credit for each photo/logo before re-using.
Screenshots of Phabricator/Phorge are under Apache 2.0 as default.
Texts are CC BY-SA 4.0 Valerio Bozzolan

Thanks for sharing :)