Unpack Phabricator,
Welcome Phorge

Forking the Opinionated, Open Source, Collaboration Suite

Fediverse · Mastodon:
@phorge @fosstodon.org
#phorge #fosdem

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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
<table>
<thead>
<tr>
<th>Country</th>
<th>Production in 2021[^17] (tonnes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turkey</td>
<td>684,000</td>
</tr>
<tr>
<td>Italy</td>
<td>84,670</td>
</tr>
<tr>
<td>United States</td>
<td>70,310</td>
</tr>
<tr>
<td>Azerbaijan</td>
<td>67,630</td>
</tr>
<tr>
<td>Georgia</td>
<td>46,000</td>
</tr>
<tr>
<td>Chile</td>
<td>35,291</td>
</tr>
<tr>
<td>World</td>
<td>1,077,117</td>
</tr>
</tbody>
</table>

[^17]: Source of production data.
Version Control of Software
<table>
<thead>
<tr>
<th>Software for Version Control</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BitKeeper</strong></td>
<td>proprietary distributed (Linux 2002–2005)</td>
</tr>
<tr>
<td><strong>Apache Subversion (&quot;svn&quot;)</strong></td>
<td>Apache License linear (still in use)</td>
</tr>
<tr>
<td><strong>git</strong></td>
<td>GNU GPL v2 distributed · C (started for Linux)</td>
</tr>
<tr>
<td><strong>Mercurial (hg)</strong></td>
<td>GNU GPL v2+ distributed · Python, C Rust (FB, W3C, Mozilla, Google, ...</td>
</tr>
<tr>
<td><strong>GNU Bazaar (bzr)</strong></td>
<td>GNU GPL v2+ distributed · Python, C (Canonical Ubuntu)</td>
</tr>
<tr>
<td><strong>archived files</strong></td>
<td></td>
</tr>
</tbody>
</table>

Linux 1991–2002

(Linux 2002–2005)

BitKeeper

2000 (4 May)

Apache Subversion ("svn")

2000 (20 October)

git

2005 (7 April)

Mercurial (hg)

2005 (19 April)

GNU Bazaar (bzr)

2005 (26 March)
Software Collab Platforms to Manage Software Version Control to Manage Software

Version Control (nowadays, 100% libre)

Collab Platforms (giant proprietary ones, many libre ones)

GitHub.com
# Collaborative software by creation date
# Author: [User:Valerio Bozzolan]] and contributors
# Date: 2024
# License: CC 0, public domain
# https://www.wikidata.org/wiki/User:Valerio_Bozzolan

```sparql
SELECT
  ?item
  ?itemLabel
WHERE
  {
    # Item MUST be a "forge" or any subclass of it
    # Item MUST have a publication date or inception date.
    # Item MAY have a lovely logo.
    OPTIONAL {
    }
    # English label
    SERVICE wikibase:label { bd:serviceParam wikibase:language "[AUTO_LANGUAGE],en", }
  }

# Group by item
GROUP BY ?item ?itemLabel
```
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

private static function getSoundMap() {
    return array(
        'wow' => array( 
            'name' => get('Wow'),
            'uri' => celebrity_get_resource_uri('/src/audio/basic/wow.mp3'),
        ),
        'things' => array( 
            'name' => get('Things'), 
            'uri' => celebrity_get_resource_uri('/src/audio/basic/things.mp3'),
        ),
        'soft-helicopter' => array( 
            'name' => get('Helicopter'),
            'uri' => celebrity_get_resource_uri('/src/audio/basic/helicopter.mp3'),
        )
    );
}

private static function getSoundEffects() {
    'hi' => array( 
        'name' => get('Hi'),
        'uri' => celebrity_get_resource_uri('/src/audio/basic/hi.mp3'),
    ),
    'goodbye' => array( 
        'name' => get('Goodbye'),
        'uri' => celebrity_get_resource_uri('/src/audio/basic/goodbye.mp3'),
    )
}
**Phabricator**

**Projects > Fundraising-Backlog > Workboard**

**Triage (Default)**

- **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-Amzon
- **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**

- **T355852** Missing coverage
  - 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**

- **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 Yipps through Adyen
  - FR-Adyen
- **T327728** Revisit deduper interface with a view to making it possible to do a search in search kit to dedupe
# Create Task (Simple)

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td>Simple Task about things</td>
</tr>
<tr>
<td>Assigned To</td>
<td>Type a username...</td>
</tr>
<tr>
<td>Description</td>
<td><img src="image.png" alt="Rich Text Editor" /></td>
</tr>
<tr>
<td>Visible To</td>
<td>Space S1: Public</td>
</tr>
<tr>
<td></td>
<td>Public (No Login Required)</td>
</tr>
<tr>
<td>Tags</td>
<td>Type a project name...</td>
</tr>
</tbody>
</table>
Create Task ( Nightmare)

Title: Super Confusing Task

Assigned To: valerio.bozzolan (Valerio Bozzolan)

Status: Open

Priority: Unbreak Now!

Points: 4

Description:

Visible To: Space S1: Public

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

Tags

Privacy
The Advanced Search is... advanced! \o/
<table>
<thead>
<tr>
<th>Revision ID</th>
<th>Description</th>
<th>Reviewers</th>
</tr>
</thead>
<tbody>
<tr>
<td>D25526</td>
<td>Avoid exception in revision timeline when left diff does not exist</td>
<td>O1: Blessed Committers</td>
</tr>
<tr>
<td>D25517</td>
<td>Mark manually created Diffs as new objects to fix empty Feed transaction entries</td>
<td>O1: Blessed Committers</td>
</tr>
<tr>
<td>D25472</td>
<td>Update PhpunitTestEngine.php and ArcanistPhpunitTestResultParser.php to use junit output rather than json.</td>
<td>O1: Blessed Committers</td>
</tr>
<tr>
<td>D25428</td>
<td>Fix the issue about persistent chat setting icon being clickable when the chat is collapsed</td>
<td>O1: Blessed Committers</td>
</tr>
<tr>
<td>D25011</td>
<td>Remove CircleCI specific code from all over the place</td>
<td>O1: Blessed Committers, Ekubischa</td>
</tr>
</tbody>
</table>

**Ready to Review**

No revisions are waiting on you to review them.

**Ready to Land**

No revisions are ready to land.

**Ready to Update**

D25119: Remarkup: make less internal links open in new tabs  
Reviewers: O1: Blessed Committers, Cigaryno, speck

**Drafts**

You have no draft revisions.
### March 2023

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
</tr>
</thead>
<tbody>
<tr>
<td>09</td>
<td>27</td>
</tr>
<tr>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>11</td>
<td>13</td>
</tr>
</tbody>
</table>

**Today**
- **FOSDEM** All Day

**Tomorrow**
- Clear sailing ahead.

**Tuesday**
- Clear sailing ahead.
Create Herald Rule: Commits

Rule Name: When a commit arrives, do something

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)
**BuildTO Build Plan**

**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
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 * * *

ENORMOUS CHANGE

Enormous change protection is enabled for this repository, but you are pushing an enormous change ("Z"). Edit the repository configuration before making further changes.

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

```java
this._errlist = new ArrayList<String>();
this._errlist.add("Dati non accettabili: Valore C/Assegno negativo.");
```

Added: jar/axis-1.4.jar

```
(Binary files differ)
```

Index: jar/axis-1.4.jar
Phorge and Fluffy Automations

sgtm

Submit

SEEMS GOOD TO ME
Go Phorge! Welcome new hackers!

every question receives a weird sticker \o/

Example appreciated contributors:

- Designers!
- PHP developers
- Docker developers
- Flathub lovers

we.phorge.it
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- **https://www.fao.org/faostat/en/#data/QCL**
  "Hazelnut production stats"
  UN Food and Agriculture Organization, Statistics Division (FAOSTAT). 2023.
  Retrieved 29 April 2023 for Wikipedia, the Free encyclopedia.

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  Codeberg

- **“Complicated explanation meme”**
  "DO NOT USE THIS MEME – IS HERE JUST TO MENTION A COMPLICATED SITUATION – MEMES ARE FREE IN EUROPE

- **File:Bazaar logo (software product).svg**
  DON'T USE THE GNU BAZAAR LOGO – HERE JUST TO MENTION IT - HERE IN LOW QUALITY
  Logo is copyrighted by Canonical, therefore a free use alternative won't exist

- **File:Mercurial logo cropped.svg**
  Cali Mastny and Matt Mackall, GNU GPLv2

- **File:Git Icon.svg**
  by Jason Long, Creative Commons BY 3.0

- **File:Apache Subversion logo.svg**
  ""/The Apache Software Foundation, Apache License 2.0

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  https://secure.phabricator.com/p/epriestley/

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


Check the credit for each photo/logo before re-using.
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Thanks for sharing :)