



6 little-known features: How to make the most out of Launchpad

Guruprasad | Launchpad | Canonical

15 Nov 2025

UbuCon India 2025



About me

- Engineering Manager in the Launchpad team
- <https://launchpad.net/~lgp171188>
- Free and open source software enthusiast
- GNU/Linux user since 2007
- Passionate about self-hosting
- This is an updated version of my talk at UbuCon Asia 2024



Launchpad



What is Launchpad?

“A code hosting and collaboration platform”

“The platform for Ubuntu development”

“PPA hosting platform”

“A bug tracker”

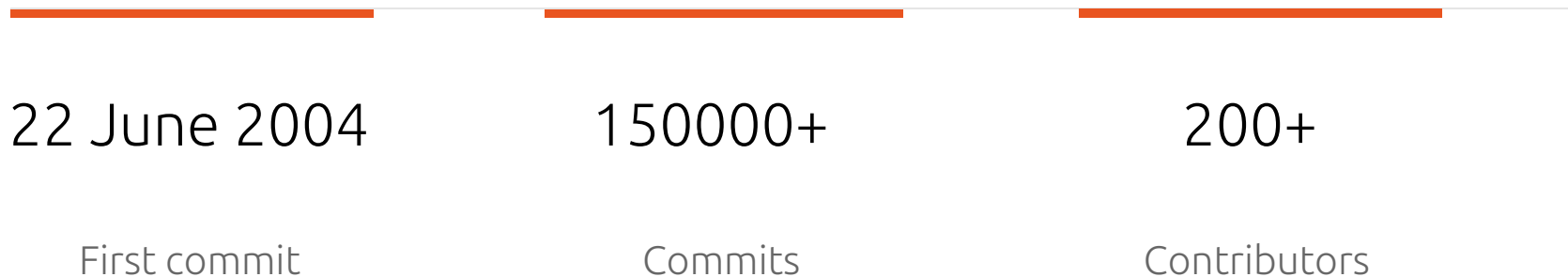
“Hosts projects with mailing lists”

“Allows you to translate your open source projects”

Launchpad is these and much more!



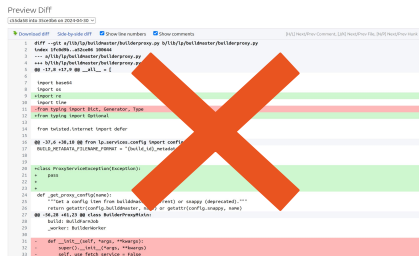
A brief history of Launchpad





A brief history of Launchpad

Back in 2004





A brief history of Launchpad

Git hosting PPA's

Bzr hosting

Charms

Snaps

Translations

Distributions

Answers



Merge proposal

Bugs

OCI images

Code review

Mailing lists

Packages

launchpadlib

Community

lpci



A brief history of Launchpad

Launchpad

Overview

Bugs

Support

Bounties


Specifications

Translations

Branches

Calendar

Translating applications:

 **Rosetta** is a **Web-based translation system**. You can easily collaborate with translators for your software through Rosetta.

Dapper Translations:

People:


Welcome to the Launchpad

Launchpad is a collection of services for projects in the open source universe. You can register your project, and then collaborate with the open source community on translations, bug tracking and code. For more information, see our [Frequently Asked Questions](#).

Search for products:

Search


Featured software

 [The Ubuntu distribution](#)

Ubuntu is a Linux distribution that emphasises ease of use and free global distribution. The project uses the Launchpad for all translation and bug tracking.

Not logged in — [Log In](#) / [Register](#)


Tracking bugs:

 [Malone](#) is a **Web-based global bug tracker**. It is designed to track bugs across the whole open source process: it understands that the same code is re-used upstream and in different distributions, and allows us to have a single bug number for any bug, and track where it has been fixed and where it is still a problem.

Listed bounties:

You can register your bounties in the Launchpad so people can find them more easily.

Top bounties:

 USD 300.0: [Relationships Overview for Glom](#)

This is how Launchpad looked like in 2006



A brief history of Launchpad



Launchpad is a software collaboration platform that provides:

- Bug tracking
- Code hosting using Bazaar and Git
- Code reviews
- Ubuntu package building and hosting
- Translations
- Mailing lists
- Answer tracking and FAQs
- Specification tracking
- Take the tour!

Recent Launchpad blog posts

Bug emails now use the bug's address in the From: header – 20 May 2020
The From: addresses used by Launchpad's bug notifications have changed, to improve the chances of our messages being delivered over modern internet email. Launchpad sends a lot of email, most of which is the result of Launchpad users performing some kind of action. For example, when somebody adds a comment to a bug, Launchpad sends [...]

Launchpad news, March 2019 – July 2019 – 06 Aug 2019
Here's a brief changelog of what we've been up to since our last general update. Bugs Add basic GitLab bug linking (#1603679) Expect the upstream bug ID in the "number" field of GitHub issue objects, not the "id" field (#1824728) Include metadata-only bug changes in Person+commentedbuilds Build farm Filter ASCII NUL characters out of build [...]

Launchpad news, February 2019 – 07 Mar 2019
Here's a brief changelog for this month. Build farm Allow dispatching builds with base images selected based on the pocket and/or using LXO images instead of chroot tarballs where appropriate (#1811677) Code Store bzz-svn's cache in the import data store Allow project owners to use the Bazaar branch

Search Launchpad

44,896 projects, 1,904,125 bugs, 1,007,610 branches, 25,551 Git repositories, 3,045,481 translations, 697,887 answers, 75,817 blueprints, and counting...

Get started

Creating an account allows you to start working within Launchpad. Learn more about Launchpad in the [user guide](#) or try it for yourself in our [sandbox environment](#).

Featured projects



Web-based tool for managing Ubuntu systems.

- AppArmor
- The EPICS Collaboration
- Launchpad itself
- OpenStack
- Shutter
- Ubuntu
- Yade
- Breezy
- Inkscape
- OpenShot Video Editor
- qpdfview
- Snap Store Server
- Ubuntu MATE

Browse all 44896 projects!



Ubuntu is a complete Linux-based operating system, freely available with both community and professional support.

Ubuntu also includes a wide variety of software through its network of software repositories. Once your system is installed you can simply call up a list of all the existing tools out there and choose any of them for immediate installation over the internet.

Packages

Find a Package

Distribution information

- Maintainers:**
 - Ubuntu Technical Board
- Members:**
 - Ubuntu Members
- Uploaders:**
 - Ubuntu Core Development Team (main)
 - Ubuntu Core Development Team (secondary)
 - MOCTU (multiverse)
 - MOCTU (multiverse)
 - Canonical Partner Developers (partner)

- Drivers:**
 - Ubuntu Drivers
- Mirror admin:**
 - Ubuntu Mirror Admins

Latest derivatives

- 10.04 "Natty" series (from Lucid)
- 2.0 "Karmic" series (from Dapper)
- 3.0 "Jaunty" series (from Breezy)
- 10.04 "Natty" series (from Breezy)
- 3.0 "Jaunty" series (from Gutsy)

All derivatives

Active series and milestones

- 12.04 "Precise" series - development**
 - Milestones: precise-updates, ubuntu-12.04, ubuntu-12.04-beta-2, ubuntu-12.04-beta-1, and precise-alpha1
- 11.10 "Oneiric" series - current**
 - Milestones: oneiric-updates
- 11.04 "Natty" series - supported**
 - Milestones: natty-updates
- 10.10 "Maverick" series - supported**
 - Milestones: maverick-updates
- 10.04 "Lucid" series - supported**
 - Milestones: lucid-updates and ubuntu-10.04.4
- 8.04 "Hardy" series - supported**
 - Milestones: hardy-updates

All series All milestones

Log in / Register

- CD images
- Archive images
- Personal Package Archives
- Built

Get Involved

- Report a bug
- Ask a question
- Help translate
- Register a blueprint

Announcements

- Ubuntu 11.10 Released on 2011-10-13**
"There's a building like a dream to create the future." - Victor Hugo The Ubuntu...
- Ubuntu 11.04 Released on 2011-04-28**
The Ubuntu team is pleased to announce Ubuntu 11.04, code-named "Natty Narwhal".
- Ubuntu 11.04 (Natty Narwhal) Beta 1 Released on 2011-03-31**
The Ubuntu team is pleased to announce the release of Ubuntu 11.04 beta. Co...
- Ubuntu 10.10 Released on 2010-10-10**
Some time ago a group of hyper-intelligent pan-dimensional beings decided to ...
- Ubuntu 10.10 Release Candidate (Haverick Weerkat) Released on 2010-09-30**
Release is big. You just won't believe how easily, brightly, most things...

[Read all announcements](#)

This is how Launchpad looked like in 2012



A brief history of Launchpad

Canonical

Launchpad

Search

46,762 projects, 2,025,713 bugs, 1,009,482 branches, 81,767 Git repositories, 3,137,639 translations, 816,263 answers, 76,109 blueprints, and counting...

Get started

Learn more about Launchpad in the [user guide](#) or try it for yourself in our [sandbox environment](#). If you're ready, you can:

+

Register a project

+

Register a team

Browse projects

Help translate

?

Find answers

Browse Ubuntu PPAs

Featured projects

Beautiful Soup
A program designed for screen-scraping HTML. The discussion group is at: <http://groups.google.com...>

Breezy
Breezy is a friendly powerful distributed version control system.

Inkscape
Inkscape is an SVG-based graphics editor featuring alpha blending, node editing, SVG to PNG exp...

Landscape Server
Web-based tool for managing Ubuntu systems.

Launchpad itself
Launchpad is a set of Web services to help software developers collaborate.

OpenMW
OpenMW is an attempt to reimplement the popular role playing game Morrowind. It aims to be a full...

OpenShot Video Editor
OpenShot Video Editor is a free, open-source, non-linear video editor. It can create and edit vid...

OpenStack
The Openstack Open Source Cloud Mission: to produce the ubiquitous Open Source Cloud Computing pl...

Ubuntu
Ubuntu is a complete Linux-based operating system, freely available with both community and profe...

Browse all 46762 projects!

Manage featured project list

Ubuntu

123 queries/external actions issued in 1.96 seconds [AJAX Log](#) [Guruprasad \(lgs171188\)](#) [Log Out](#)

Overview

Code

Bugs

Blueprints

Translations

Answers

Registered by Ubuntu Technical Board on 2006-01-01

Ubuntu is a complete Linux-based operating system, freely available with both community and professional support.

Ubuntu also includes a wide variety of software through its network of software repositories. Once your system is installed you can simply call up a list of all the existing tools out there and choose any of them for immediate installation over the internet.

Packages

Find a Package

Distribution information

Active series and milestones

Latest derivatives

Maintainer:
 Ubuntu Technical Board

Driver:
 Ubuntu Drivers

Members:
 Ubuntu Members

Mirror admins:
 Ubuntu Mirror Admins

OCI project admins:
None

Security admins:
 Ubuntu Security Team

Code admins:
 git.ubuntu import

Uploaders:
 Ubuntu Core Development Team (main)
 Ubuntu Core Development Team (restricted)
 MOTU (universe)
 MOTU (multiverse)
 Canonical Partner Developers (partner)

24.10 "Oracular" series - development
Milestones: oracular-updates, ubuntu-24.10, ubuntu-24.09, ubuntu-24.10-beta, ubuntu-24.08, ubuntu-24.10-feature-freeze, ubuntu-24.07, ubuntu-24.06, and ubuntu-24.05

24.04 "Noble" series - current
Milestones: noble-updates and ubuntu-24.04.1

22.04 "Jammy" series - supported
Milestones: jammy-updates and ubuntu-22.04.5

20.04 "Focal" series - supported
Milestones: focal-updates, ubuntu-20.04.6, ubuntu-20.04.5, and ubuntu-20.04.4

18.04 "Bionic" series - supported
Milestones: bionic-updates

16.04 "Xenial" series - supported

14.04 "Trusty" series - supported
Milestones: ubuntu-14.04.6

All series

All milestones

10.04 "Bonnie" series (from Lucid)

2.0 "dapper" series (from Dapper)

1.0 "breezy" series (from Breezy)

10.0 "Mainline" series (from Breezy)

3.0 "Gutsy" series (from Gutsy)

All derivatives

Subscribe to bug mail

Edit bug mail

Search for OCI project

CD mirrors

Archive mirrors

Personal Package Archives

Builds

Get Involved

Report a bug

Ask a question

Help translate

Register a blueprint

Announcements

Ubuntu 24.04 LTS (Noble Numbat) released on 2024-04-25

Ubuntu 24.04 LTS, codenamed "Noble Numbat", is here. This release continues U...

Ubuntu 24.04 LTS (Noble Numbat) Beta released on 2024-04-12

The Ubuntu team is pleased to announce the Beta release of the Ubuntu 24.04 L...

Ubuntu 23.10 (Mantic Minotaur) released on 2023-10-17

Ubuntu 23.10, codenamed "Mantic Minotaur", is here. This release continues U...

Ubuntu 23.10 (Mantic Minotaur) Beta released on 2023-09-12

Ubuntu 23.10, codenamed "Mantic Minotaur", continues Ubuntu's proud tradition...

Ubuntu 23.04 (Lunar Lobster) released on 2023-04-21

Ubuntu 23.04, codenamed "Lunar Lobster", is here.

This is how Launchpad looks like since 2024



New code review UI

Launchpad itself / launchpad / Merge Proposals / 437038: Add relative_build_score to CharmRecipe/GitRepository/Snap

Search

Launchpad

Add relativebuildscore to CharmRecipe/GitRepository/Snap

Merge ~cjwatson/launchpad:more-relative-build-scores into master

Proposed by Colin Watson 2 years ago

Ready to merge

Merge proposal is not a draft

All pipelines passed

No merge conflicts

1 approval

To merge it, send a request to others with push permission on the target branch.

Send request

DESCRIPTION

This lets us adjust the priority of all builds for a given recipe or repository, which is occasionally useful.

The new attributes are currently only editable by commercial admins and people with similar privilege, which isn't perfect; ideally these would also be editable by Launchpad staff, since they don't allow privilege escalation. However, that would have involved a fair bit more rearrangement (particularly in GitRepository, where the Launchpad.Moderate permission is already in use for something else), and I wanted to get this out the door without blocking on that.

REVIEWERS

Clinton Fung

Approve

Activities

Changes

Search

lib/lp

scripts

tests

test_garbo.py

garbo.py

charms

model

charmrecipe.py

DIFF AGAINST TARGET

21 files

+146 -32

Start review

THREADS

c5e4a46 into b59c0e8

21 files +146 -32

lib/lp/charms/browser/charmrecipe.py

+45 -11

@@ -281,6 +281,7 @@ class CharmRecipeEditISchema(Interface):

281 281 "auto_build",

282 282 "auto_build_channels",

283 283 "store_upload",

+ 284 "relative_build_score",

284 285],

285 286)

286 287

@@ -495,7 +496,10 @@ class CharmRecipeAdminView(BaseCharmRecipeEditView):

495 496

496 497 page_title = "Administer"

497 498

498 - field_names = ["require_virtualized"]

+ 499 field_names = [

+ 500 "require_virtualized",

+ 501 "relative_build_score",

+ 502]

499 503

500 504

501 505 class CharmRecipeEditView(BaseCharmRecipeEditView):

lib/lp/charms/browser/tests/test_charmrecipe.py

+18 -10

<https://edge.launchpad.net/~cjwatson/launchpad/+git/launchpad/+merge/437038>



#1 Bug tracker federation




Bug tracker federation

Handling aggregate distributions of software.

Tracking & federating information with other places where similar software is maintained.




Bug tracker federation



 **Ubuntu**
zeromq3 package














110 queries/external actions issued in




OverviewCodeBugsBlueprintsTranslationsAnswers

remote execution vulnerability

Bug #1811531 reported by  Luca Boccassi on 2019-01-12

This bug affects 1 person. Does this bug affect you?   258

| Affects | Status | Importance | Assigned to | Milestone |
|--|--|---|--|---|
| ▸  zeromq (Suse)  | Fix Released | High  |  auto-bugzilla.opensuse.org #1121717 | |
| ▸  zeromq3 (Debian) | Fix Released | Unknown |  debbugs #919098 | |
| ▸  zeromq3 (Ubuntu)  | Fix Released  | Undecided  |  Eduardo Barretto  |  Target to milestone |

 Also affects project  Also affects distribution/package  Target to series

Bug Description

Dear Maintainer,

A remote execution vulnerability has been reported in zeromq. Full details can be found on the upstream issue tracker [1].



The issue is fixed in upstream version v4.3.1, just released, or with the attached patch which is targeted for v4.2.5 (blonic and cosmic).

The latest version will hopefully arrive in disco via debian unstable soon, but I would recommend patching older releases.

As mentioned in the upstream tracker and the changelog, the issue can be mitigated by ASLR and by authentication via CURVE/GSSAPI. As far as I am aware no CVEs have been assigned nor have been requested as of now.

[1] <https://github.com/zeromq/libzmq/issues/3351>

[See original description](#)

Tags: patch  

This LP bug tracks a vulnerability in Ubuntu, Debian, & Suse



Bug tracker federation

| | | |
|--|--|------|
| In bugzilla.opensuse.org/#1121717 , Luca Boccassi (bluca) wrote on 2019-01-12: | | #3 |
| <p>Created attachment 794269 patch for 4.2.2 and 4.2.3</p> <p>Dear Maintainer,</p> <p>A remote execution vulnerability has been reported in zeromq. Full details can be found on the upstream issue tracker [1].</p> <p>The issue is fixed in upstream version v4.3.1, just released, or with the attached patch for 4.2.3 (Leap 15) and 4.2.2 (Leap 42) (applies cleanly on both).</p> <p>This issue has been introduced in 4.2.0 so SLES 12 is not affected.</p> <p>The latest version will hopefully arrive in disco via debian unstable soon, but I would recommend patching older releases.</p> <p>As mentioned in the upstream tracker and the changelog, the issue can be mitigated by ASLR and by authentication via CURVE/GSSAPI. As far as I am aware no CVEs have been assigned nor have been requested as of now.</p> <p>▶ Reply on bugzilla.opensuse.org/</p> | | |
| | | Hide |
| Bug Watch Updater (bug-watch-updater) on 2019-01-13 | | |
| <p>Changed in zeromq (Suse): importance:Unknown → High status:Unknown → Confirmed</p> | | |
| In bugzilla.opensuse.org/#1121717 , Andreas Stieger (andreasstieger) wrote on 2019-01-13: | | #6 |
| <p>https://github.com/zeromq/libzmq/issues/3351 https://github.com/zeromq/libzmq/pull/3353 https://github.com/zeromq/libzmq/releases/tag/v4.3.1</p> <p>▶ Reply on bugzilla.opensuse.org/</p> | | |
| | | Hide |

It also tracks comments from the remote Suse bug tracker



Bug tracker federation

Bug watches

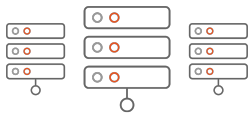




#2 Launchpad build farm

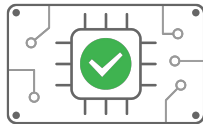


Launchpad build farm



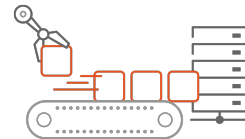
750+

Builders



9*

Architectures



1000s

Daily builds

<https://launchpad.net/builders>



Launchpad build farm

Available to Launchpad users, Ubuntu, and open source communities free of cost.

Build deb packages (Ubuntu/PPAs), snaps, charms, livefs, OCI images, rocks, and many more to come.

Support for more architectures in the works. **amd64v3** since 25.10. **riscv64** builds became self-service at the end of 2023.

Works great with source code hosted on Launchpad but also works with source hosted externally in many cases.



Launchpad build farm

Do you want to build a snap on architectures that you don't have access to?

With the `snapcraft remote-build` command, you can build it on the Launchpad build farm and the built snap locally.

There is a similar `charmcraft remote-build` command that does the same for charms.



#3 Recipes



Recipes

“I want to automatically build and upload/publish artifacts when the underlying source code changes”



Recipes

- Source package recipes
- Snap recipes
- Charm recipes
- Rock recipes
- (more to come)



Recipes

lpci

Snap packages » **lpci**

Created by Colin Watson on 2021-12-09 and last modified on 2024-05-02

Snap package information

Owner:

Canonical Launchpad Engineering

Build source tarball:

No

Source archive for automatic builds:

Primary Archive for Ubuntu

Source snap channels for automatic builds:

| | |
|-----------|------------|
| snapcraft | 7.x/stable |
|-----------|------------|

Store series:

Ubuntu Core 16

Store channels:

edge

Source:

lpci:main

Build schedule:

Built automatically

Pocket for automatic builds:

Updates

Registered store package name:

lpci



Recipes

Create a new snap package

Snaps are Linux app packages for desktop, cloud and IoT that are simple to install, secure, cross-platform, and dependency-free. Launchpad can build snap packages using [snapcraft](#), from any Git or Bazaar branch on Launchpad that has a `snap/snapcraft.yaml`, `build-aux/snap/snapcraft.yaml`, `snapcraft.yaml`, or `.snapcraft.yaml` file at its top level.

Snap recipe name:

The name of the snap build recipe.

Owner:

The owner of this snap package.

Information type:

The type of information contained in this Snap recipe.

Source:

☐ Bazaar

Bazaar branch:

A Bazaar branch containing a `snap/snapcraft.yaml`, `build-aux/snap/snapcraft.yaml`, `snapcraft.yaml`, or `.snapcraft.yaml` recipe at the top level.

☐ Git

Git branch:

Repository: **Branch:**

The Git branch containing a `snap/snapcraft.yaml`, `build-aux/snap/snapcraft.yaml`, `snapcraft.yaml`, or `.snapcraft.yaml` recipe at the top level.

Series:

- ☒ Infer from `snapcraft.yaml` (recommended)
- ☐ Ubuntu Bionic
- ☐ Ubuntu Artful
- ☐ Ubuntu Zesty
- ☐ Ubuntu Yakkety
- ☐ Ubuntu Xenial



Recipes

Processors: (Optional)

- ☒ AMD x86-64 (amd64)
- ☐ ARM ARMv8 (arm64)
- ☐ ARM ARMv7 Soft Float (armel)
- ☐ ARM ARMv7 Hard Float (armhf)
- ☐ HP PA-RISC (hppa)
- ☒ Intel x86 (i386)
- ☐ Intel IA64 (ia64)
- ☐ Intel x86 Low Power (lpia)
- ☐ PowerPC (powerpc)
- ☐ PowerPC64 Little-Endian (ppc64el)
- ☐ RISC-V 64-bit (riscv64)
- ☐ IBM System z (s390x)
- ☐ Sun SPARC (sparc)

The architectures that this snap package builds for. Some architectures are restricted and may only be enabled or disabled by administrators.

☐ Build source tarball

Whether builds of this snap package should also build a tarball containing all source code, including external dependencies.



Recipes

☐ Automatically build when branch changes

Whether this snap package is built automatically when the branch containing its snap/snapcraft.yaml, build-aux/snap/snapcraft.yaml, snapcraft.yaml, or .snapcraft.yaml recipe changes.

Source archive for automatic builds:

- ☒ Primary Archive for Ubuntu
☐ PPA

The archive from which automatic builds of this snap package should be built.

Pocket for automatic builds:

Updates

The package stream within the source archive and distribution series to use when building the snap package. If the source archive is a PPA, then the PPA's archive dependencies will be used to select the pocket in the distribution's primary archive.

Source snap channels for automatic builds:

core
core18
core20
core22
core24
snapcraft
snapd

The channels to use for build tools when building the snap package. If unset, or if the channel for snapcraft is set to "apt", the default is to install snapcraft from the source archive using apt.

☐ Automatically upload to store

Whether builds of this snap package are automatically uploaded to the store.

Registered store package name:

The registered name of this snap package in the store.

Store channels:

Channels to release this snap package to after uploading it to the store. A channel is defined by a combination of an optional track, a risk, and an optional branch, e.g. '2.1/stable/fix-123', '2.1/stable', 'stable/fix-123', or 'stable'.

| Track | Risk | Branch | Delete? |
|----------------------|---|----------------------|---------|
| <input type="text"/> | (nothing selected) <input type="button" value="v"/> | <input type="text"/> | |

To open a new track, [ask the store admins](#).



Recipes

Automatic recipe builds when the associated code repository (even outside of Launchpad) changes

Automatic upload/publishing of the artifacts built

Can also trigger builds manually



Recipes

Creating recipes

- Snap recipe

<https://launchpad.net/project/+new-snap>

- Charm recipe

<https://launchpad.net/project/+new-charm-recipe>

- deb package recipe

<https://code.launchpad.net/path/to/branch> - Click on 'Create packaging recipe'



#4 Archive snapshot service



Archive snapshot service

Provides a point-in-time snapshot of

- Ubuntu archive
- Launchpad PPAs (public and private)
- (more to come)



Archive snapshot service

Powered by Launchpad, the platform and the engine behind Ubuntu development and publishing.

Launchpad maintains a history of every change to Ubuntu and that makes this possible.

lp-archive is a small web service that implements this on top of Launchpad.



Archive snapshot service

Use cases

- Reproducible deployments
- Determining when a change happened
- Structured update workflow



Archive snapshot service

How do I use this?

Ubuntu - <https://snapshot.ubuntu.com>

PPAs - <https://snapshot.ppa.launchpadcontent.net>

Automatic **apt** integration



Archive snapshot service

To know more, watch this presentation from my former colleague Colin Watson at the Ubuntu Summit 2023





#5 Launchpad CI



Launchpad CI

Launchpad has built-in CI functionality that runs CI jobs on merge proposals

`lpci`, the runner tool, the makes this possible

Runs on Launchpad builders and locally. Needs a `.launchpad.yaml` configuration file

Generally available, but still in early stages of development



Launchpad CI

```
$ cat .launchpad.yaml
pipeline:
- test

jobs:
  test:
    series: focal
    architectures: amd64
    run: echo hello world >output
    output:
      paths: [output]

$ lpci run --output-directory out
Running the job
$ tree out # Find out the location of the output file
out
├── test
│   └── 0
│       ├── files
│       │   └── output
│       └── properties
└──
```

3 directories, 2 files

```
$ cat out/test/0/files/output
hello world
```



Launchpad CI

Unmerged commits

513b1bc... by  **Colin Watson** on 2023-11-26

charm: Only run push-backups on primary database units

We don't want to be pushing backups from more than one unit.



docs:0 (build)



lint:0 (build)



mypy:0 (build)

1 → 3 of 3 results

First • Previous • **Next** ► • Last



Launchpad CI

Extensible via plugins

Built-in plugins for `conda-build`, `Miniconda`,
`pyproject-build`, `tox`, and `golang`.

Contributions welcome!

<https://lpci.readthedocs.io>



#6 Launchpad API



Launchpad API

A **web service** API to interact with Launchpad

Documented at <https://api.launchpad.net>.
devel version is the currently maintained one.

Allows doing almost everything that can be done with the web application, sometimes even more.



Launchpad API

launchpadlib

- The official Launchpad Python client library
- `apt install python3-launchpadlib` or `pip install launchpadlib`.
- `lp-shell` - (i)python-based REPL environment playground



Launchpad API

```
# lp-shell gives you the `lp` object that is an instance of the API client.
```

```
In [1]: person = lp.people["cjwatson"]
```

```
In [2]: person
```

```
Out[2]: <person at https://api.launchpad.net/devel/~cjwatson>
```

```
In [3]: person.display_name
```

```
Out[3]: 'Colin Watson'
```

Get the display name of a user



Launchpad API

```
user = lp.load("~wgrant")

for question in user.searchQuestions(participation="Owner", sort="newest first")[:3]:
    print(question.title)

# 66189 Merge william-grant into wgrant
# 63675 Debian's series to remove 'Debian ' from the front
# 62675 Debian series need updating and data needs fixing
```

Get the most recent 3 questions posted by a user



Launchpad API

```
git_repository = lp.git_repositories.new(name="launchpadlib-demo", owner=lp.me, target=lp.me)
print(git_repository.web_link)
# https://code.launchpad.net/~lgp171188/+git/launchpadlib-demo
git_repository.name = "lp-shell-demo"
git_repository.lp_save()
git_repository.lp_refresh()
print(git_repository.name)
# lp-shell-demo
git_repository.lp_delete()
```

Create a git repository, modify its name, and delete it



Launchpad API

Launchpad API documentation





Launchpad API

Examples





Extras

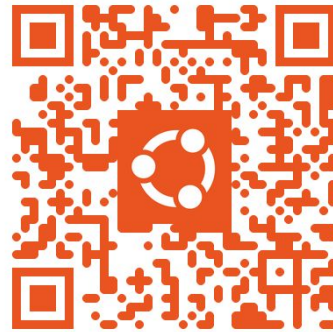
- Support for FIDO2 SSH keys
- Bazaar and mailing lists shutdown
- Bug templates



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Software Engineer



Engineering Manager



Questions?



Thank you!