

Welcome!



What team takes care of
Community Apps, Services
& Infrastructure for the
Fedora & CentOS Projects?

A stylized silhouette of a city skyline is visible in the background, rendered in shades of purple and blue. The skyline includes various building shapes, a prominent tower with a circular observation deck, and a bridge-like structure on the right side.

Connect, Develop and Maintain With Community Platform Engineering

State of Community Infrastructure Projects



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ABOUT US

Community Platform Engineering is a Red Hat sponsored team dedicated to developing and maintaining community infrastructure for Fedora Project and CentOS Project and work on release engineering.



THINGS WE DO



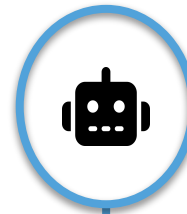
OPERATIONS

Involves system administration, infrastructure handling and service deployment, and releases engineering



DEVELOPMENT

Consists of building of projects (called initiatives) for the community infrastructure in a limited scope



MAINTENANCE

Includes looking after the deployed set of applications and services that fall under the team's remit



OUR TEAMS



Fedora Infra

Maintaining everything on the community infrastructure - from package build systems to source code forges



CentOS Infra

Upholding everything on the community infrastructure - from continuous integration systems to storages



Release Engg

Ensuring that the releases of the distribution come out with features, packages and on a planned schedule



Initiatives

Self-contained but highly impactful work requests handled by multiple team members over many weeks or months



Statistics

- Some stats since the **last in-person Flock To Fedora event in 2019** to **this in-person Flock To Fedora event in 2023**.
- The statistics have been taken from two weeks before the start of 2019's event to two weeks before the start of this one i.e. from **25 July 2019** to **18 July 2023**.

FROM LAST FLOCK TO THIS FLOCK

Flock 2019

Name

08 – 11 August

When

Budapest, HU

Where

Flock 2023

Name

02 – 05 August

When

Cork, IE

Where

3 years, 11 months, 25 days

Duration in between the events



Fedora Infra

- **Fixed with explanation:** 168 ticket(s)
- **Upstream:** 166 ticket(s)
- **Fixed:** 2528 ticket(s)
- **Insufficient data:** 53 ticket(s)
- **Duplicate:** 108 ticket(s)
- **Invalid:** 153 ticket(s)
- **Will not or cannot fix:** 143 ticket(s)
- **Initiative worthy:** 16 ticket(s)

TOTAL TICKETS RESOLVED

3336

TIME TO CLOSE

2197.0	0.0	42.8	1.0
Maximum	Minimum	Average	Median

GAIN

1880	542	753	161
Undefined	Low	Medium	High

TROUBLE

1887	650	682	117
Undefined	Low	Medium	High



CentOS Infra

- **Fixed with explanation:** 82 ticket(s)
- **Fixed:** 953 ticket(s)
- **Insufficient data:** 26 ticket(s)
- **Duplicate:** 27 ticket(s)
- **Invalid:** 28 ticket(s)
- **Wrong tracker:** 42 ticket(s)
- **Initiative worthy:** 4 ticket(s)

TOTAL TICKETS RESOLVED

1182

TIME TO CLOSE

770.0

Maximum

0.0

Minimum

21.44

Average

1.0

Median

GAIN

243

Undefined

335

Low

301

Medium

303

High

TROUBLE

251

Undefined

661

Low

229

Medium

41

High



Release Eng

- **Fixed with explanation:** 31 ticket(s)
- **Upstream:** 15 ticket(s)
- **Fixed:** 2261 ticket(s)
- **Insufficient data:** 9 ticket(s)
- **Duplicate:** 41 ticket(s)
- **Invalid:** 58 ticket(s)
- **Will not or cannot fix:** 47 ticket(s)
- **Get back later:** 88 ticket(s)
- **It's all good:** 146 ticket(s)

TOTAL TICKETS RESOLVED

2697

TIME TO CLOSE

2216.0	0.0	46.99	1.0
Maximum	Minimum	Average	Median

GAIN

1768	273	601	55
Undefined	Low	Medium	High

TROUBLE

1768	675	233	21
Undefined	Low	Medium	High



Initiatives



PROJECTS

Community Platform Engineering team has a set of applications catering to the community of users and contributors of Fedora Project and CentOS Project, that it develops and maintains, on a case by case basis.

USAGE STATISTICS

74

Total number of projects

52

Used only by Fedora Project

9

Used only by CentOS Project

13

Used by both the communities



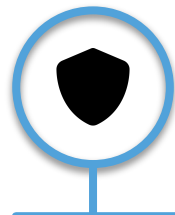
TYPES OF PROJECTS



CRITICAL I

Critical First Class

Applications and services that we develop code for and maintain in our infrastructure



CRITICAL II

Critical Second Class

Applications and services that we maintain in our infrastructure but do not develop code for



STANDARD

Standard Class

Applications and services that we develop code for and maintain in our infrastructure



ECOSYSTEM

Ecosystem Class

Applications and services that we maintain in our infrastructure and assist developing code for



CRITICAL I

- Also known as **Critical First Class** applications and services
- These projects rank among the top in terms of importance to the community
- The codebase of these projects are developed by the team
- The deployment of these projects are maintained in the community infrastructure



USAGE STATISTICS

20

Total number of projects

12

Used only by Fedora Project

3

Used only by CentOS Project

5

Used by both the communities



FLOCK TO FEDORA 2023

Which projects do you think might fall under
CRITICAL FIRST CLASS?

P.S. This question is not intended for the folks from the Community Platform Engineering team





CRITICAL I

- Projects like Toddlers, Bodhi, MDAPI, RPMAutoSpec, Monitor Gating, Mirror From Pagure, PDC/FPDC, Fedora Notifications, Sigul, CI ResultsDB Listener, FASJSON and FASJSON Client are used only by **Fedora Project**
- Projects like Stylo, Mirrorlist Backend and Mirrorlist Frontend are used only by **CentOS Project**
- Projects like Pagure, Noggin, Pagure Dist Git, Fedora Messaging and Robosignatory are used by **both the communities**

TECHNOLOGIES CONSIDERED

15

Have unit tests implemented

16

Support or ported to Python 3

11

Have testing in Pytest

8

Support Fedora Messaging

2

Have OIDC support

5

Have messaging schemas

9

Have maintained documentation



FLOCK TO FEDORA 2023



What is the purpose of this project?

FEDORA MESSAGING

- A It helps the Fedora Project contributors to communicate with each other
- B It allows the Fedora Project contributors to connect with Fedora Linux users
- C It keeps the track of all important contribution activities in the community
- D It assists people to send each other messages to present their gratitude





What is the purpose of this project?

FEDORA MESSAGING

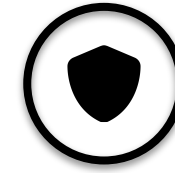
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CRITICAL II

- Also known as **Critical Second Class** applications and services
- These projects rank among the top in terms of importance to the community
- The codebase of these projects might not be developed by the team
- The deployment of these projects are maintained in the community infrastructure



USAGE STATISTICS

21

Total number of projects

10

Used only by Fedora Project

4

Used only by CentOS Project

7

Used by both the communities

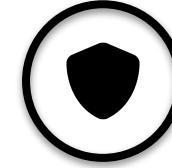


FLOCK TO FEDORA 2023

Which projects do you think fall under
CRITICAL SECOND CLASS?

P.S. This question is not intended for the folks from the Community Platform Engineering team





CRITICAL II

- Projects like ResultsDB, Nagios, Koschei, Wiki/MediaWiki, WaiverDB, Greenwave, Mailman3/HK, OSBS, RabbitMQ and Dist Git are used only by **Fedora Project**
- Projects like Zabbix, Wiki/Moin, Mailman 2 and CentOS Status are used only by **CentOS Project**
- Projects like ODCS, Pungi, Koji, MBS, IPA, Ipsilon and Mirror Manager are used by **both the communities**

TECHNOLOGIES CONSIDERED

11

Have unit tests implemented

11

Support or ported to Python 3

4

Have testing in Pytest

9

Support Fedora Messaging

5

Have OIDC support

0

Have messaging schemas

6

Have maintained documentation



What is the purpose of this project?

KOJI

- A It helps the KDE contributors to build "Komfortable" and "Koji" homes
- B It serves the Fedora Project contributors the dishes made with fermented rice
- C It builds RPM packages the source specification of which have been fed by the packagers
- D It acts as an official build system for Fedora Project and downstream communities





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STANDARD

- Also known as **Standard Class** applications and services
- These projects rank comparatively lower in terms of importance to the community
- The codebase of these projects are developed by the team
- The deployment of these projects are maintained in the community infrastructure

USAGE STATISTICS

17

Total number of projects

14

Used only by Fedora Project

2

Used only by CentOS Project

1

Used by both the communities



Which projects do you think fall under the
STANDARD CLASS?

P.S. This question is not intended for the folks from the Community Platform Engineering team





STANDARD

- Projects like Fedora Status, Zodbot, Data Analysis, Anitya, The New Hotness, Fedora Active User, Is It In RHEL, GitHub2Fedmsg, Bugzilla2Fedmsg, Compose Tracker, Fedora Minimal Compose, Datanommer, Datagrepper, AsknotNG are used only by **Fedora Project**
- Projects like Duffy CI and MBBox are used only by **CentOS Project**
- Projects like are Fedora Planet used by **both the communities**

TECHNOLOGIES CONSIDERED

13

Have unit tests implemented

14

Support or ported to Python 3

5

Have testing in Pytest

9

Support Fedora Messaging

1

Have OIDC support

3

Have messaging schemas

5

Have maintained documentation





What is the purpose of this project?

FEDORA PLANET

- A It is an aggregation of the articles by various Free and Open Source community members
- B It is a blogging platform for Fedora Project contributors
- C It helps people to get “isekai’d” to a new planet filled with Fedora Project contributors
- D It acts as an official galactic fork for Pandora intended for Fedora Linux users





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ECOSYSTEM

- Also known as **Ecosystem Class** applications and services
- These projects rank comparatively lower in terms of importance to the community
- The codebase development of these projects might be assisted by the team
- The deployment of these projects are maintained in the community infrastructure



USAGE STATISTICS

16

Total number of projects

16

Used only by Fedora Project

0

Used only by CentOS Project

0

Used by both the communities



Which projects do you think might fall
under
ECOSYSTEM CLASS

P.S. This question is not intended for the folks from the Community Platform Engineering team





ECOSYSTEM

- Projects like COPR, Flask OIDC, Fedocal, Nuancier, Elections, Simple Koji CI, Fedora Gather Easyfix, Fedora Websites, CCCO Utils, Meetbot Logs, Testdays, Zezere, Oraculum, DebugInfod, Kernel Test, Geo IP are used only by **Fedora Project**

TECHNOLOGIES CONSIDERED

7

Have unit tests implemented

10

Support or ported to Python 3

2

Have testing in Pytest

6

Support Fedora Messaging

6

Have OIDC support

1

Have messaging schemas

6

Have maintained documentation



FLOCK TO FEDORA 2023



What is the purpose of this project?

MEETBOT LOGS

- A It imprints the artworks of the IRC bot i.e. zodbot on a naturally-obtained oak log
- B It serves meeting logs to folks who run their meetings on either Matrix or IRC
- C It allows people to look up the meeting recordings for all meetings in the community
- D It helps people to catch up on missed meetings that happen exactly at midnight





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THANK YOU!

Connect with us at

infrastructure@lists.fedoraproject.org

Find about us at

<https://docs.fedoraproject.org/en-US/cpe/>

Hangout with us at

<https://matrix.to/#/#redhat-cpe:matrix.org>

<https://chat.fedoraproject.org/#/room/#apps:fedoraproject.org>

<https://chat.fedoraproject.org/#/room/#admin:fedoraproject.org>

