The State of Fedora

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Flock to Fedora, August 2019

Budapest, Hungary

TOPICS!

1. Fedora Council and Strategy
2. Dinosaurs and Charts
3. Selected Current Events
4. Future Thoughts

PART ONE: Fedora Council and Strategy

RESOURCES ⇨ ACTIVITIES ⇨ OUTPUTS ⇝ OUTCOMES ⇨ IMPACT

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CONTRIBUTOR TIME MONEY HARDWARE ETC.	THINGS WE ACTUALLY DO	CONCRETE RESULTS OF ACTIVITIES	MEASURABLE CHANGE IN THE WORLD	MISSION VISION

RESOURCES ⇨ ACTIVITIES ⇨ OUTPUTS ⇝ OUTCOMES ⇨ IMPACT

Volunteer time

RH Engineer time

Community budget

Datacenter

AWS donations

...

Packaging

Rel-Eng

Quality Assurance

Writing

Speaking

Organizing

User help

...

Fedora Editions

Spins, Containers

Documentation

Release parties

Other events

Answered questions

We are currently more vague here than we should be.

Objective outcomes are part of this, though.

** Minimal footprint*

** Modularity*

** CI/CD*

** IoT Edition launch*

MISSION

Fedora creates an innovative platform for hardware, clouds, and containers that enables software developers and community members to build tailored solutions for their users.

VISION

???

FEDORA COUNCIL 2018: GUIDING POLICY

The basic problem: *Today, it's too difficult to build new solutions in Fedora.*

The approach:

1. Encourage Objectives which address this

2. Teams, Building Blocks, Services, and Solutions

OBJECTIVES

12-18 month goals that are project priorities

Weekly status updates to the Council (new process!)

https://docs.fedoraproject.org/en-US/project/dashboard/

Examples:

* Minimization
* CI and Rawhide Gating
* Modularity
* Packager experience
* IoT Edition launch

TEAMS, BUILDING BLOCKS, SERVICES, AND SOLUTIONS (OH MY)

Teams provide **Building Blocks** and offer **Services** to other community members and Teams.

They may also *use* Building Blocks and Services to provide user **Solutions.**

TEAMS

Design,
Documentation,
Packagers,
Release Engineering,
Diversity & Inclusion,
Quality Assurance,
CoreOS,
Workstation/Silverblue,
KDE,
and of course many more.

SERVICES AND BUILDING BLOCKS

CI infrastructure,
community building advice and guidance,
event funding,
logo services,
RPM or other software packages,
swag, testing and validation,
user support,
UX design,
and again, many more.

SOLUTIONS

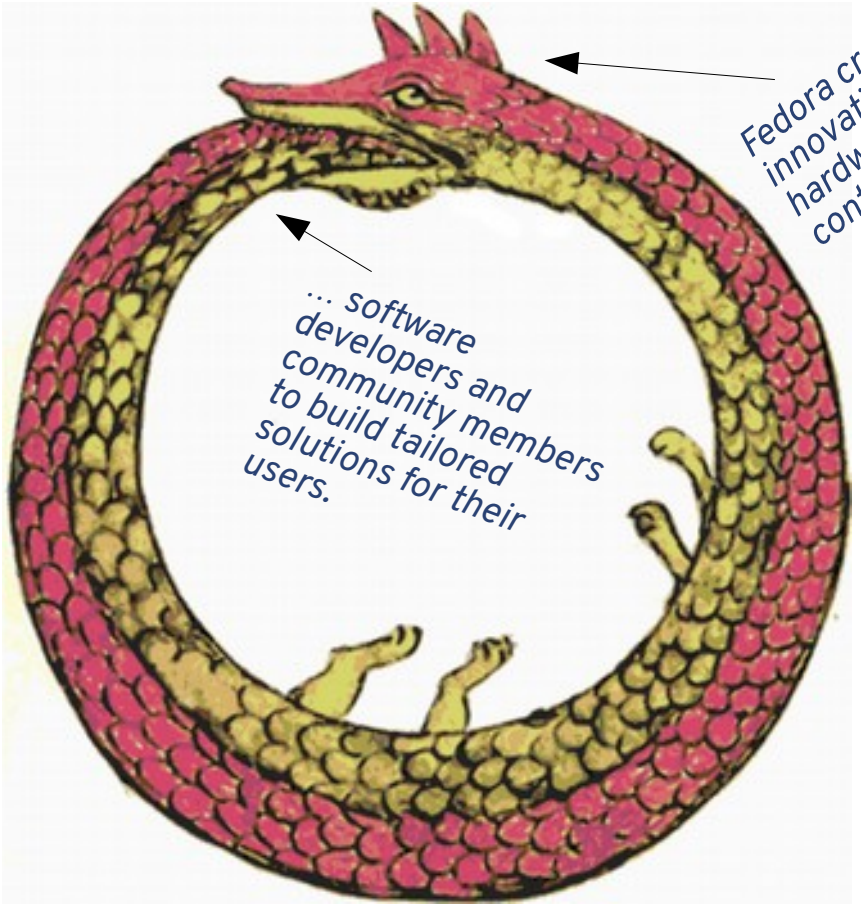
Anyone may use Building Blocks like software packages and artwork to create a Solution.

Examples: Fedora Workstation, KDE Plasma, and the Python Classroom Lab.

Teams define criteria for services they provide to solution-builders. For example, teams providing press and promotional support may choose to provide additional support to Solutions with larger user bases.

Note that “Solution” isn’t meant to be a marketing term.

YOU MAY NOTICE THE MISSION STATEMENT LOOKS A LITTLE BIT LIKE THIS:



TO REPHRASE A BIT

Fedora Teams create an innovative platform for hardware, clouds, and containers and enable...

... other Fedora Teams to build tailored solutions for their users.

BACK TO THE COUNCIL HACKFEST AND GUIDING POLICY

Fedora as a whole focuses on enabling Teams to build Solutions.

Fedora Teams may have their own user-focused missions.

Our big-category platform solutions help enable everything else.

Right now, our focus is on the things needed to make this story be true.

If all goes well, in some future phase we'll be able to focus more on the solutions.

TEAM GUIDELINES

If it’s in your area, just do it. (Guidance for Council members and everyone else alike!)

But, do communicate! Don’t be afraid of people blocking, but also listen, especially for ways in which your work interacts with others.

Teams don’t have to do work, but also you don’t have to use their services.

Focus on enablement, not gate-keeping.

Teams can take things like “is this a current Objective” and audience size into account when prioritizing.

TAIGA: teams.fedoraproject.org

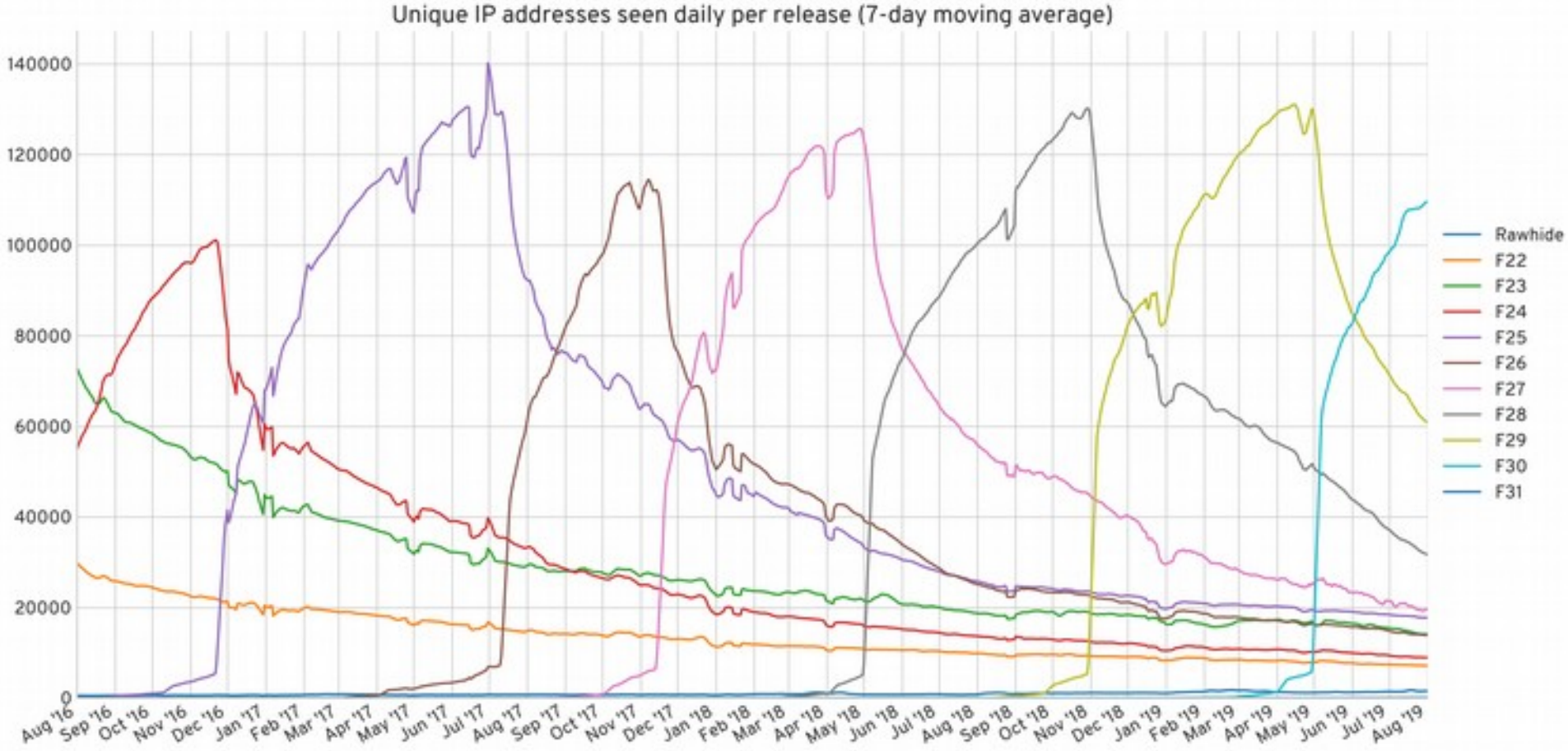
This is a tool for kanban-style project planning.

We'd like to see each active Team have at least a basic presence there.
We're going to work with the Taiga upstream team for more features to make that useful.

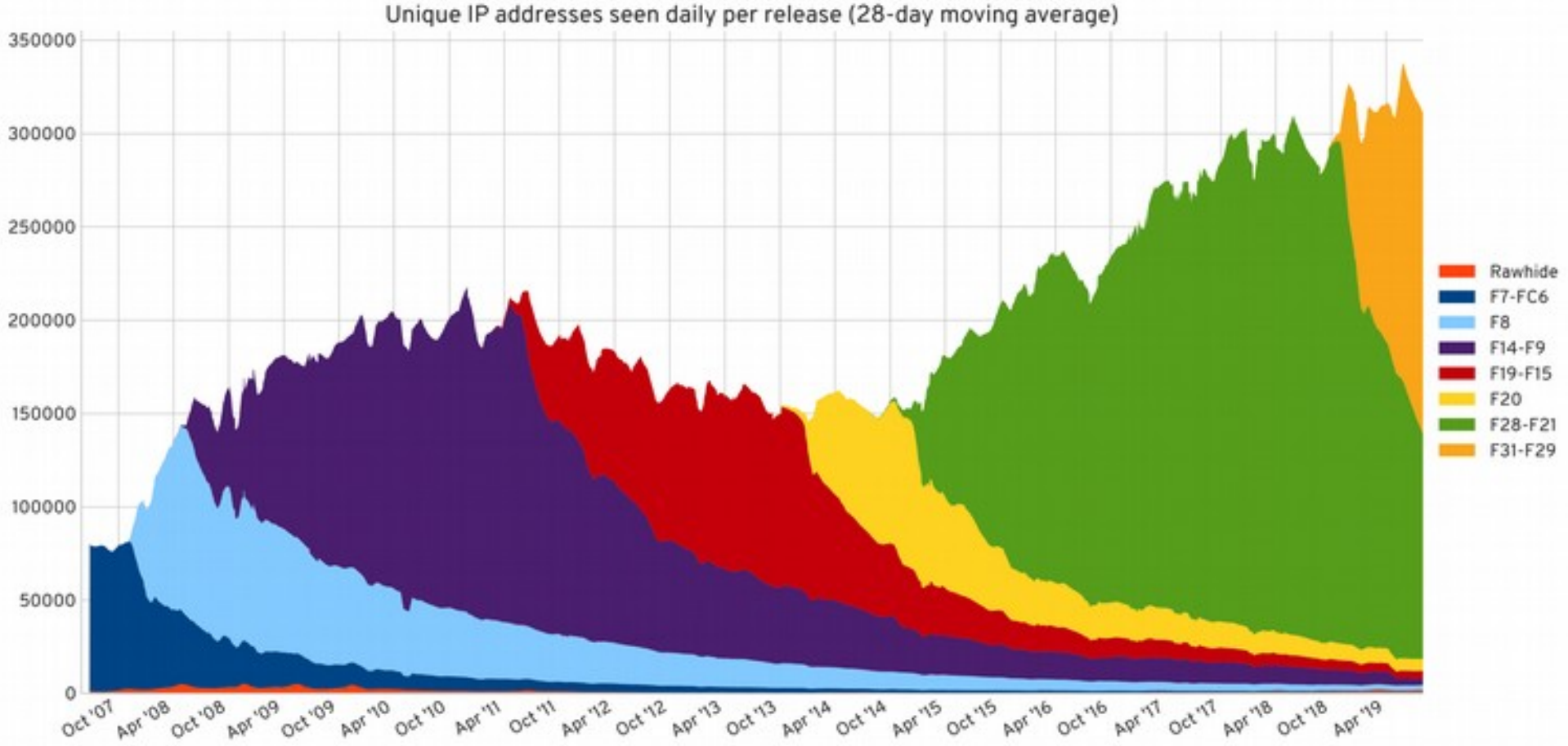
You can also use the Taiga features for your team if they're useful to you!

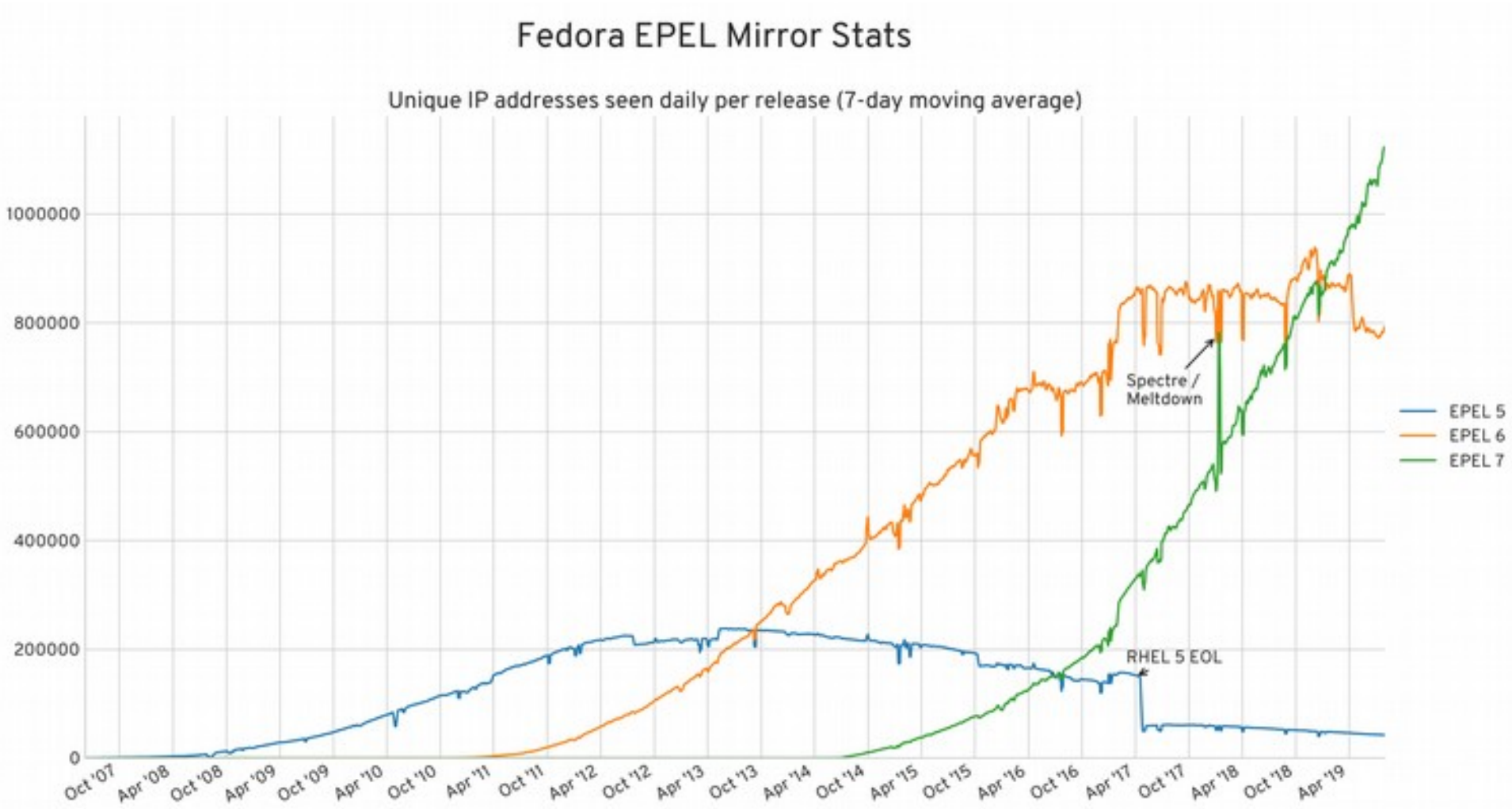
PART TWO: Charts!

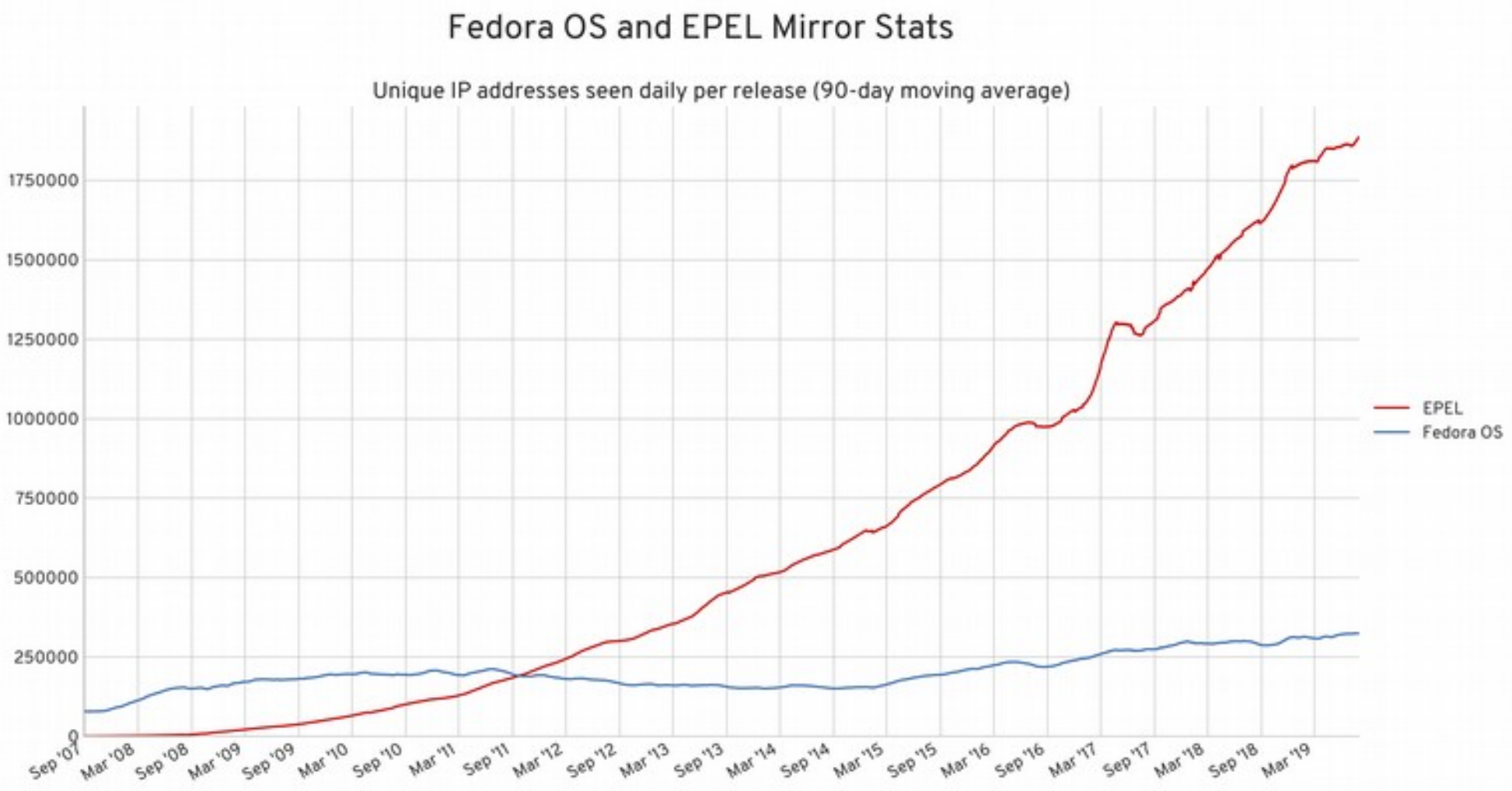
Fedora Mirror Stats (Last Ten Releases)



Ages of Fedora




Fedora EPEL Mirror Stats
Unique IP addresses seen daily per release (7-day moving average)
1000000
800000
600000
400000
200000
0
Oct '07
Apr '08
Oct '08
Apr '09
Oct '09
Apr '10
Oct '10
Apr '11
Oct '11
Apr '12
Oct '12
Apr '13
Oct '13
Apr '14
Oct '14
Apr '15
Oct '15
Apr '16
Oct '16
Apr '17
Oct '17
Apr '18
Oct '18
Apr '19
Spectre / Meltdown
RHEL 5 EOL
EPEL 5
EPEL 6
EPEL 7


Fedora OS and EPEL Mirror Stats
Unique IP addresses seen daily per release (90-day moving average)
1750000
1500000
1250000
1000000
750000
500000
250000
0
Sep '07
Mar '08
Sep '08
Mar '09
Sep '09
Mar '10
Sep '10
Mar '11
Sep '11
Mar '12
Sep '12
Mar '13
Sep '13
Mar '14
Sep '14
Mar '15
Sep '15
Mar '16
Sep '16
Mar '17
Sep '17
Mar '18
Sep '18
Mar '19
EPEL
Fedora OS

PART THREE: Some current events

RAWHIDE GATING

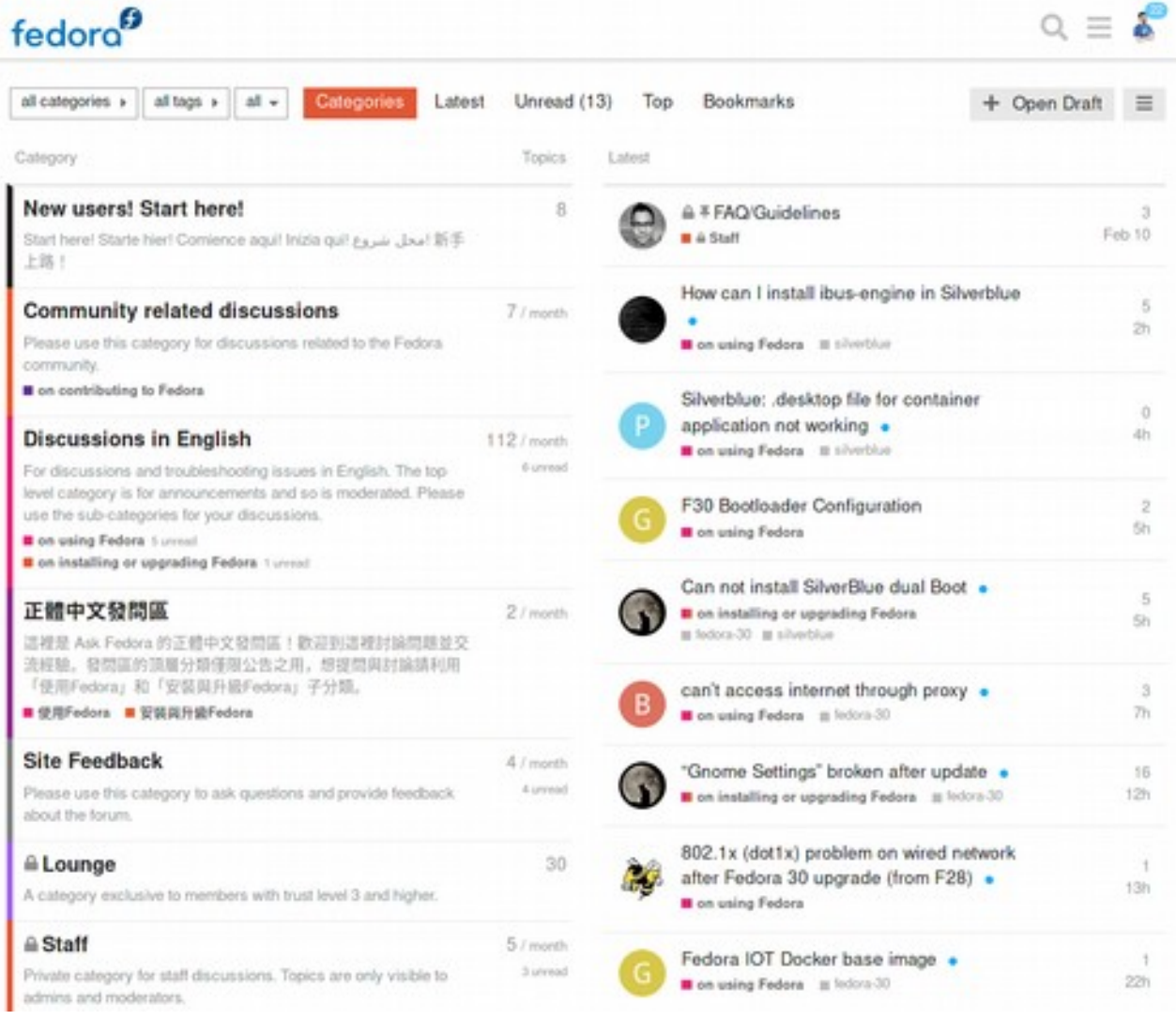
MINIMIZATION

fedora
COREOS

fedora

Silverblue

NEW
ASK FEDORA
SITE!



Drug-Naive
Caffeinated

PART FOUR: Future thoughts!

In three lists….

1. From the Council Hackfest: enabling the mission

2. Also from the Council Hackfest: logical results of the Teams and Building Blocks plan

3. And just some big challenges we need to overcome

Things to help with “it’s too hard to Fedora”

* We need to provide spin/remix as a service
  - self-service composes for solutions big and small

* We need so much more automation
  - make the robots do it and let the humans supervise

* Check for quality constantly, not just at the borders
  - the borders: package review, Fedora OS release
  - what about all the rest of time?

* We’ve got to do something about packaging dependencies
  - manually moving things from one packaging system to another just plain does not provide enough value to users

Things that fall out of the Teams & Building Blocks plan

We should focus the name “Fedora” as the overall project.
Don’t say just “Fedora” if you mean “an OS produced by Fedora”

Teams with user-focused solutions should be free to use their own branding to connect with their target audiences.

We want the Fedora name to help tie back to *this* community, but it’s okay to be Fedora **LlamatronOS** instead of **Fedora** LlamatronOS.

More grand

* The next CoreOS – and the next Docker – should find Fedora the obvious place to do their work

* Fedora should be an integration place for *all* upstream open source

* We gotta catch the next generation of developers and sysadmins where they are

* Too fast, too slow is still a big problem and we need to keep working on it.

THANK YOU, EVERYONE!