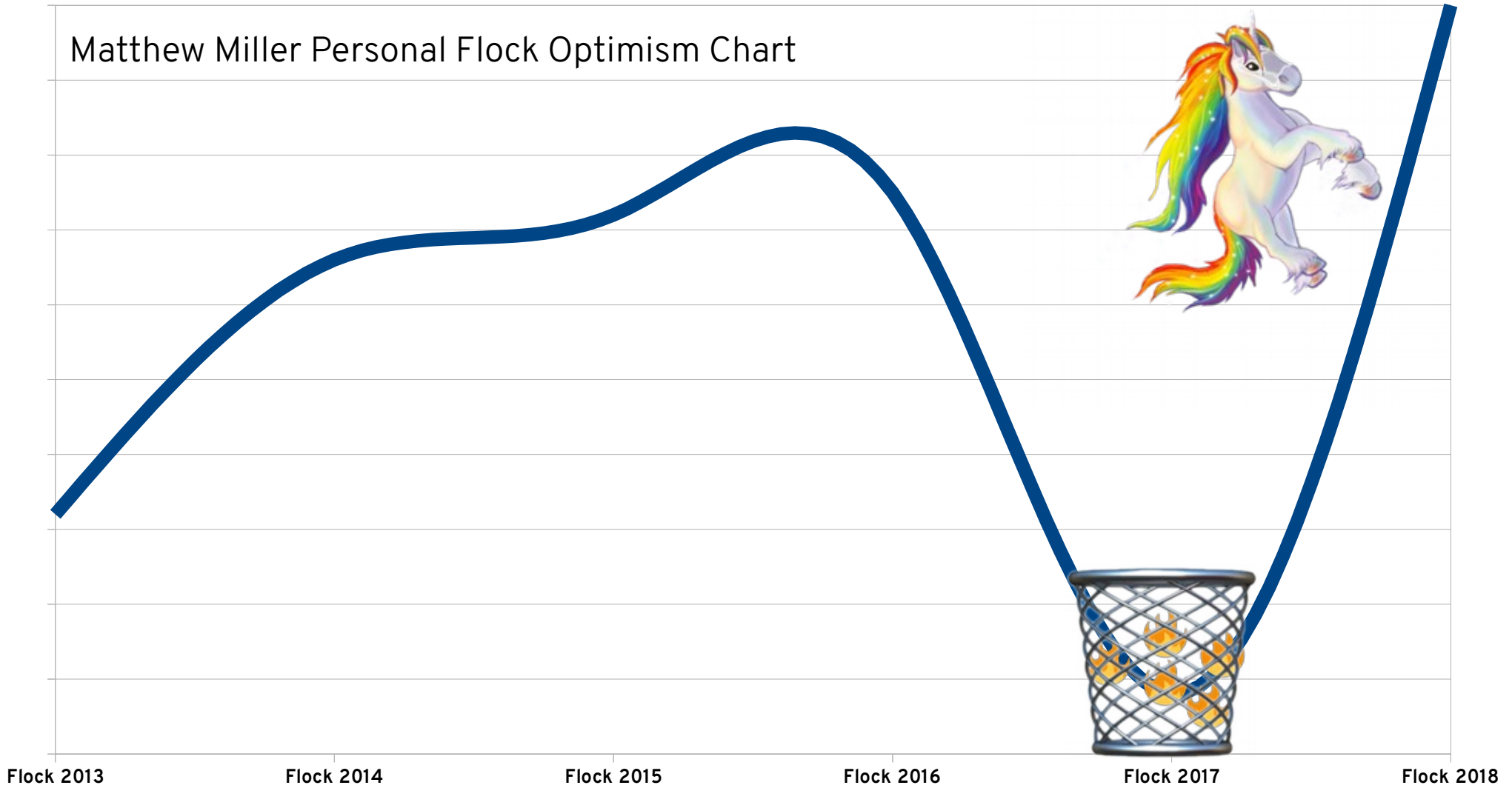# The State of Fedora

Matthew Miller, Fedora Project Leader

Flock to Fedora, August 2018

Dresden, Germany

Matthew Miller Personal Flock Optimism Chart

Flock 2013   Flock 2014   Flock 2015   Flock 2016   Flock 2017   Flock 2018

fedora f

fedora

10

fedora f

fedora f
WORKSTATION

21

fedora f

15

Live DVD

64 bit

Multi Desktop Live DVD

Desktop Live DVD

32/64
bit

32/64
bit

systems

fedora f

fedora f

Live CD
for x86 systems

fedora f
Design Suite

fedora 13
Installation DVD
for Intel-Compatible 64-bit computers

fedora

Desktop Live Media
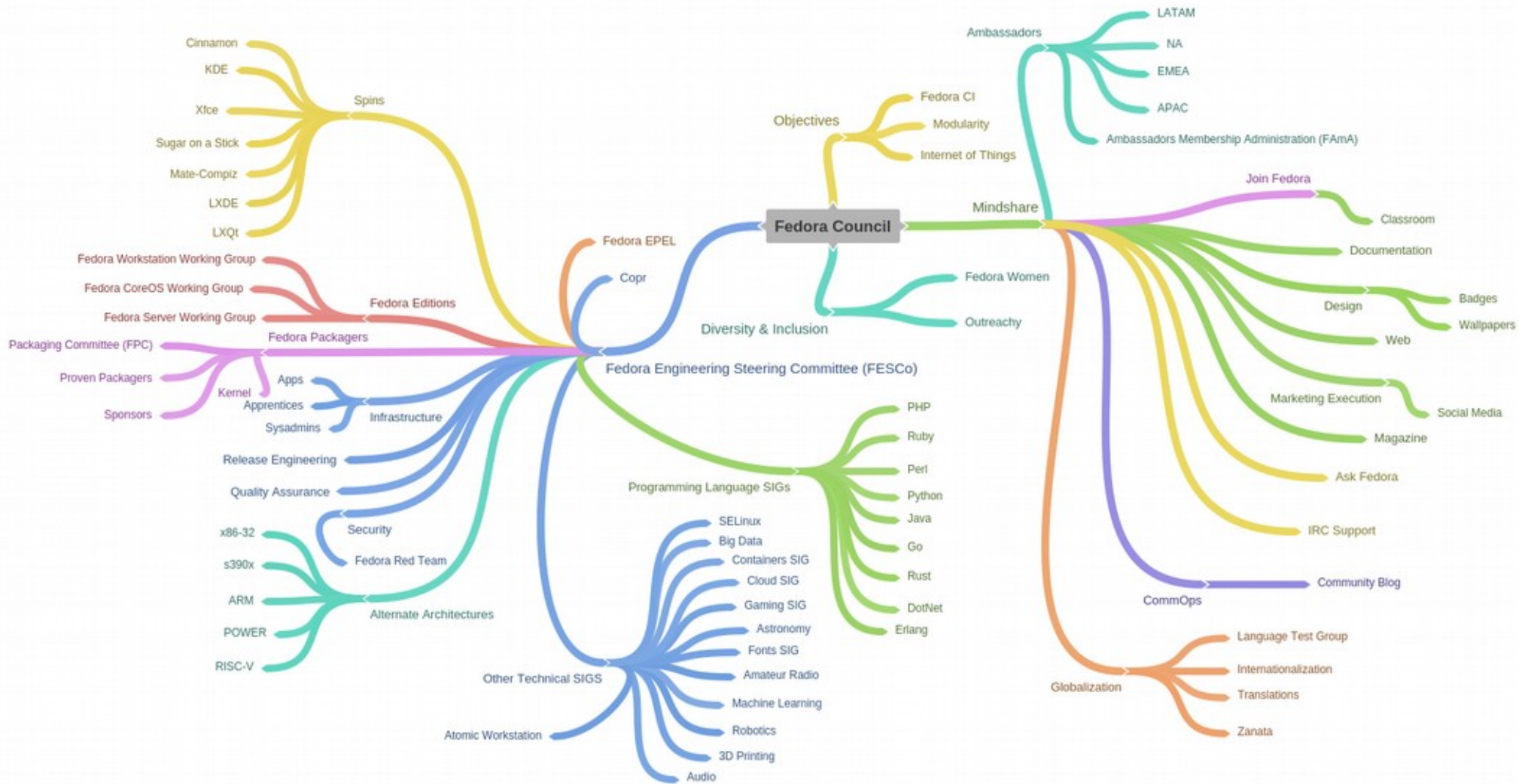Intel-Compatible, 32-bit
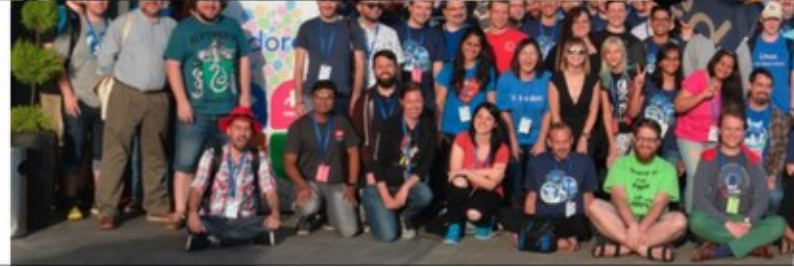
The Fedora Project is a **community of people working together** to build a **free and open source** software platform and to collaborate on and share **user-focused solutions** built on that platform.
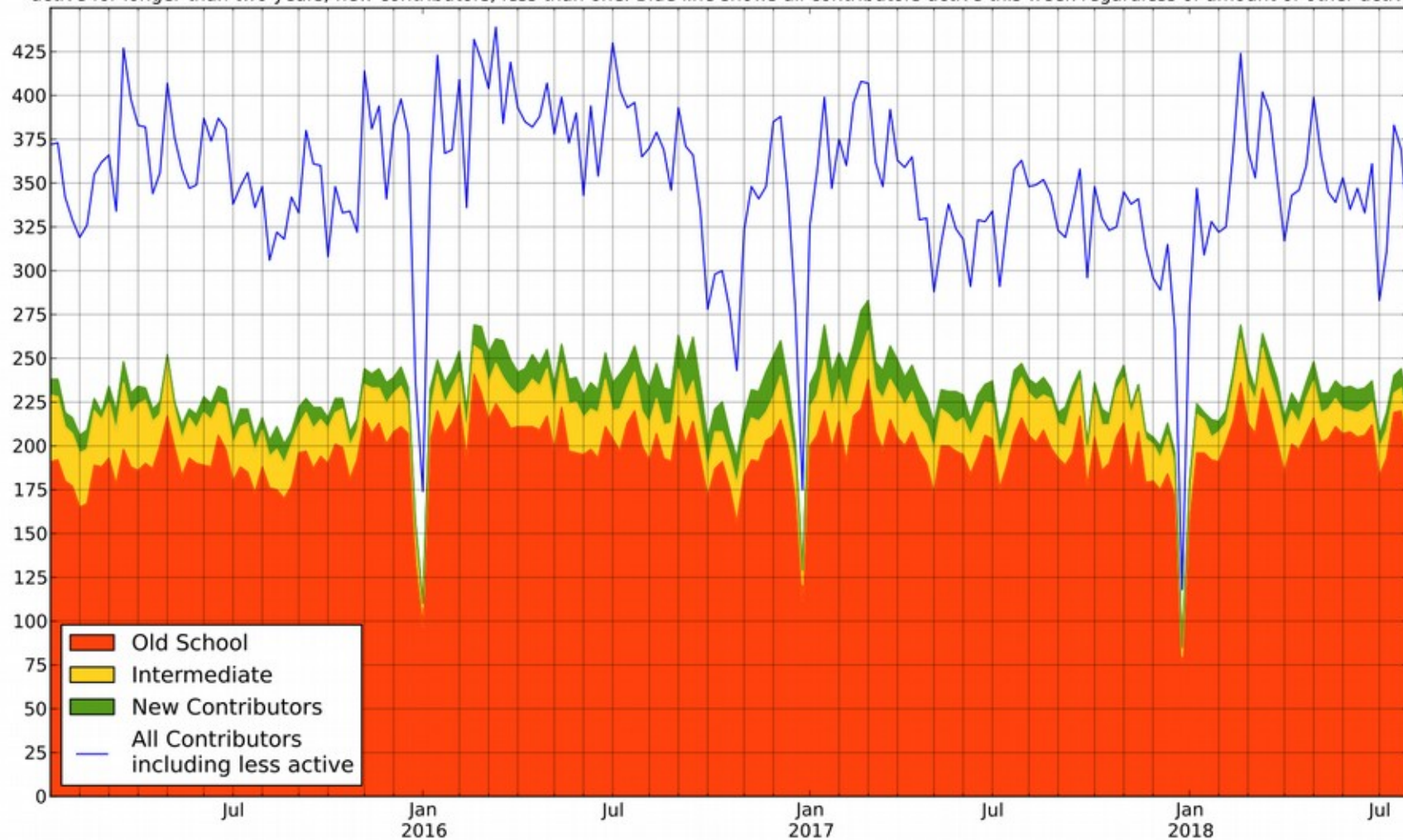
Or, in plain English, we make an operating system and we make it easy for you do useful stuff with it.

(That's from the new Fedora docs site. If you don't know about the new docs site, please find a docs team member and talk to them about it!)
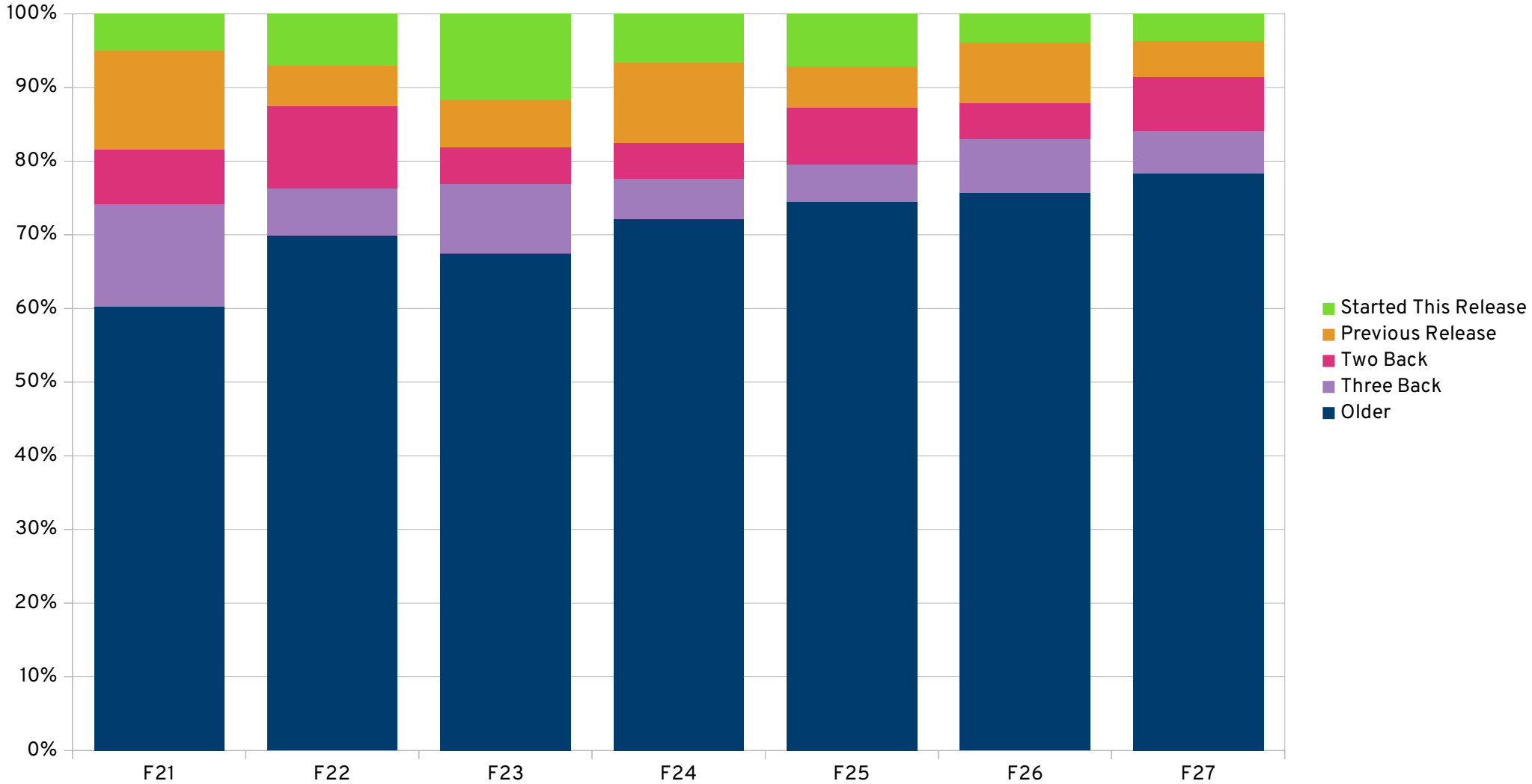
Fedora Council

- Spins
  - Cinnamon
  - KDE
  - Xfce
  - Sugar on a Stick
  - Mate-Compiz
  - LXDE
  - LXQt
- Fedora Editions
  - Fedora Workstation Working Group
  - Fedora CoreOS Working Group
  - Fedora Server Working Group
- Fedora Packagers
  - Packaging Committee (FPC)
  - Proven Packagers
  - Sponsors
  - Kernel
- Fedora Engineering Steering Committee (FESCo)
  - Fedora EPEL
  - Copr
  - Infrastructure
    - Apps
    - Apprentices
    - Sysadmins
  - Release Engineering
  - Quality Assurance
  - Security
  - Fedora Red Team
  - Alternate Architectures
    - x86-32
    - s390x
    - ARM
    - POWER
    - RISC-V
  - Programming Language SIGs
    - PHP
    - Ruby
    - Perl
    - Python
    - Java
    - Go
    - Rust
    - DotNet
    - Erlang
  - Other Technical SIGS
    - SELinux
    - Big Data
    - Containers SIG
    - Cloud SIG
    - Gaming SIG
    - Astronomy
    - Fonts SIG
    - Amateur Radio
    - Machine Learning
    - Robotics
    - 3D Printing
    - Audio
    - Atomic Workstation
- Objectives
  - Fedora CI
  - Modularity
  - Internet of Things
- Mindshare
  - Ambassadors
    - LATAM
    - NA
    - EMEA
    - APAC
    - Ambassadors Membership Administration (FAmA)
  - Diversity & Inclusion
    - Fedora Women
    - Outreachy
  - Join Fedora
    - Classroom
    - Documentation
      - Badges
      - Wallpapers
    - Design
    - Web
    - Marketing Execution
      - Social Media
    - Magazine
    - Ask Fedora
    - IRC Support
  - CommOps
    - Community Blog
  - Globalization
    - Language Test Group
    - Internationalization
    - Translations
    - Zanata

Fedora Contributors by Week

Stacked graph of contributors with measured activity each week — and at least thirteen weeks total in the last year. "Old school" contributors have been active for longer than two years; new contributors, less than one. Blue line shows all contributors active this week regardless of amount of other activity.

Legend:
- Old School
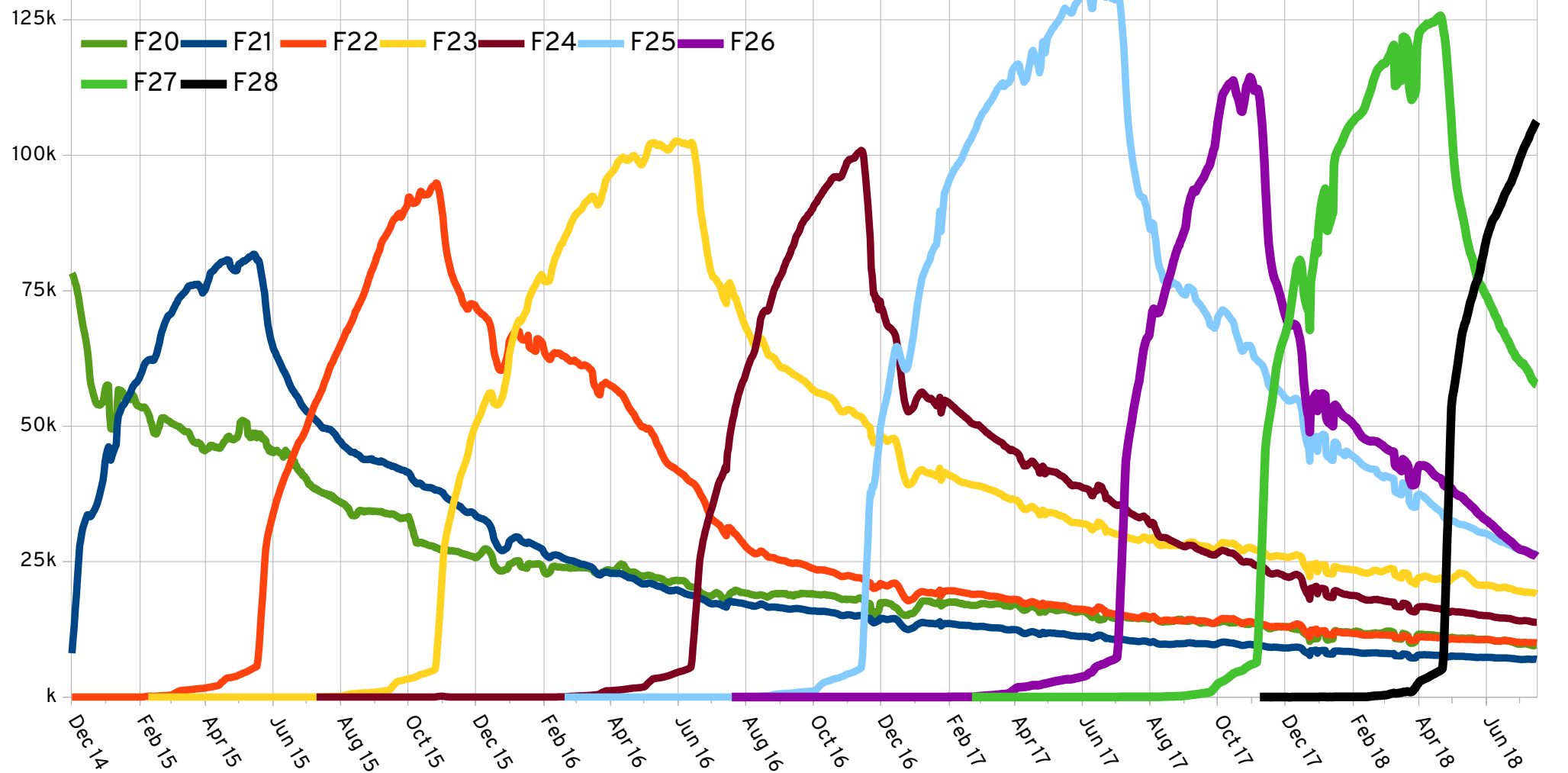- Intermediate
- New Contributors
- All Contributors including less active

Contributors by Join Release

Fedora Magazine Page Views

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2013										2.5K	0	0
2014	0	0	0	26.6K	35.1K	60.5K	43.2K	63.1K	122.6K	115.4K	71.4K	128.5K
2015	114.3K	109.4K	161.2K	131.3K	199.0K	146.6K	101.3K	162.6K	175.1K	159.2K	273.7K	169.2K
2016	166.0K	140.0K	185.2K	158.0K	165.2K	259.8K	195.5K	171.4K	184.4K	231.1K	297.4K	240.7K
2017	237.6K	209.2K	236.3K	226.6K	217.1K	199.2K	366.6K	280.8K	224.5K	289.7K	389.6K	269.3K
2018	315.3K	271.5K	254.9K	222.5K	400.6K	267.6K	272.9K	63.7K				

FEWER VIEWS ▦▦▦▦ MORE VIEWS
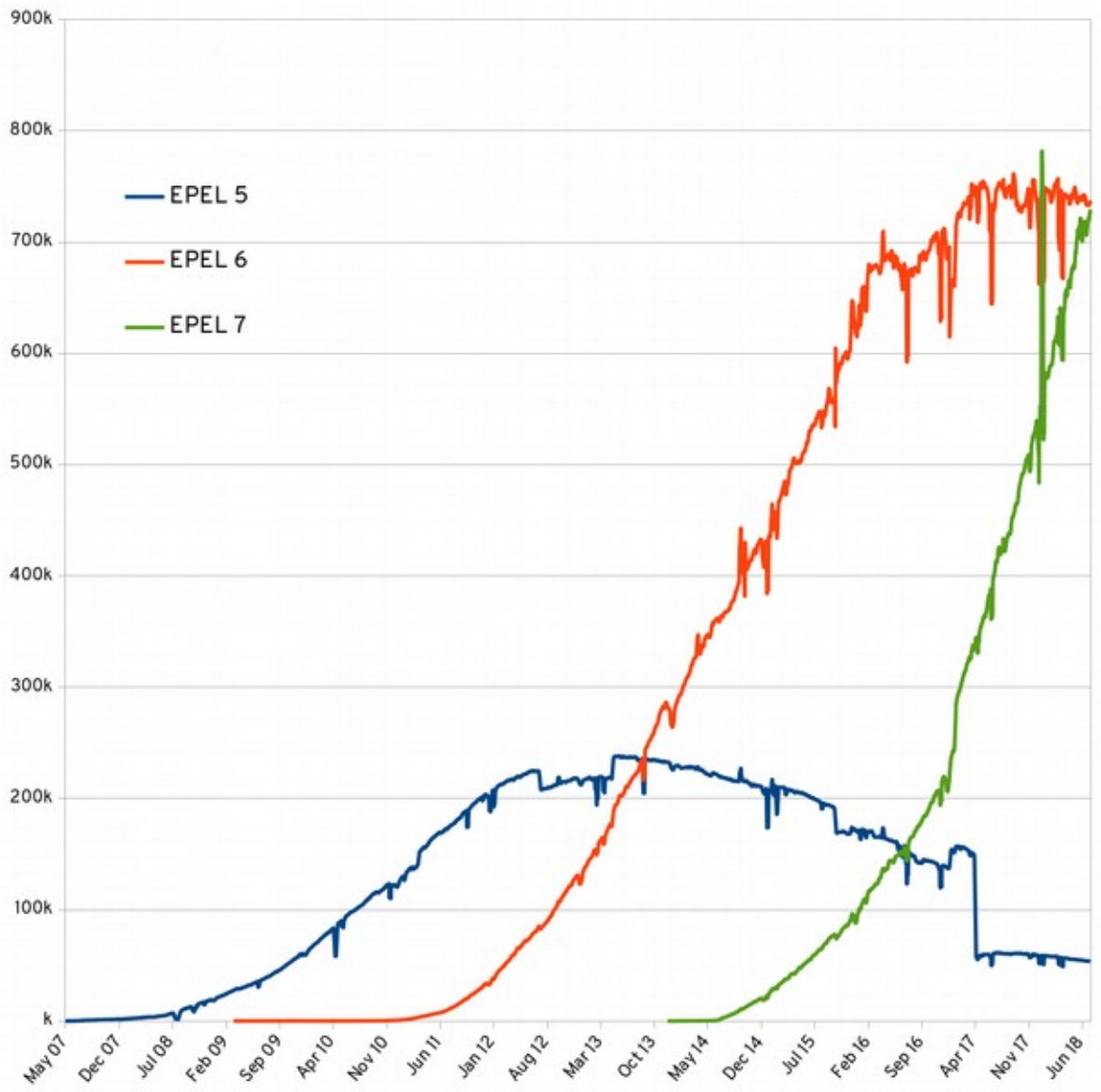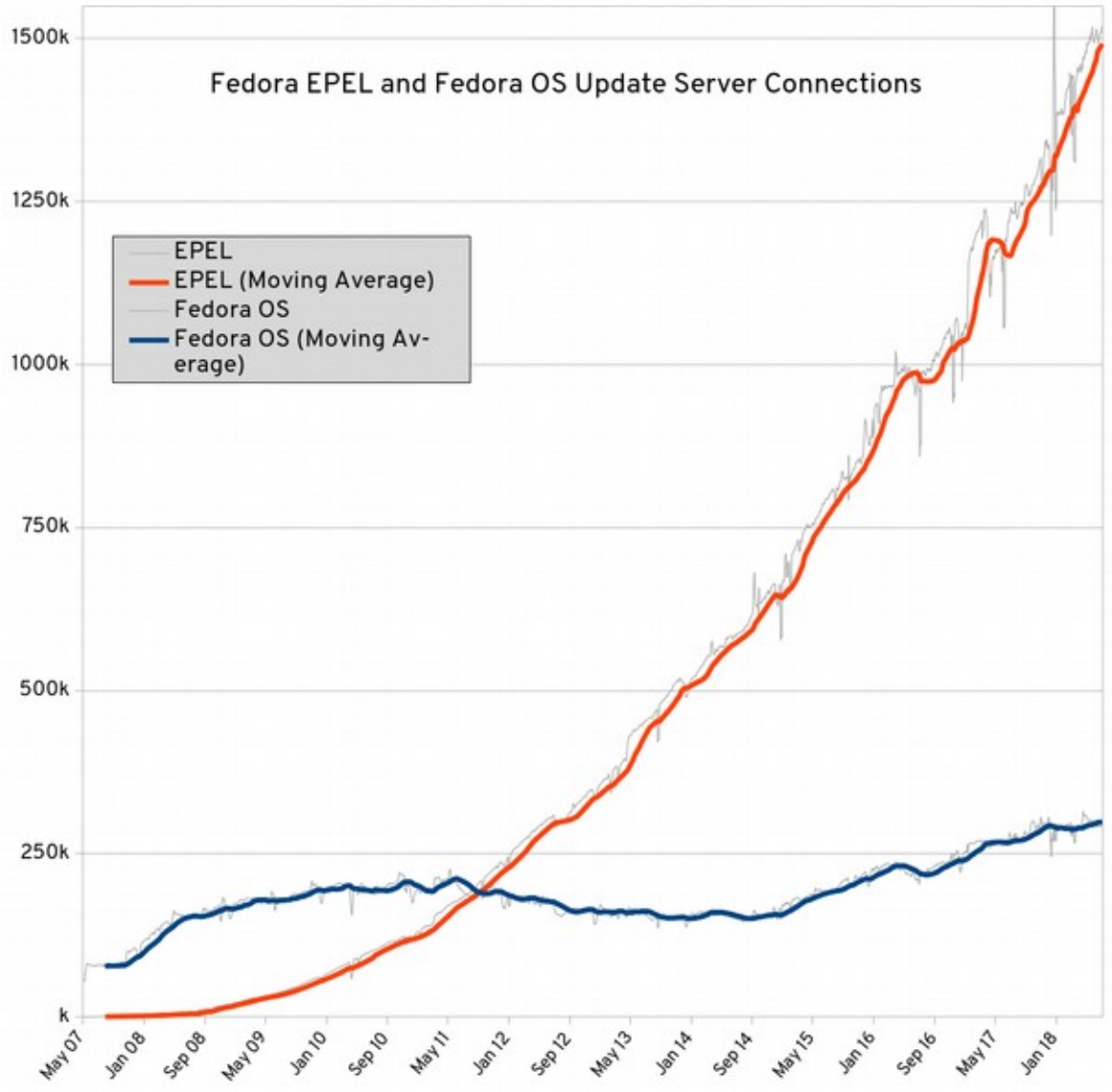
Fedora Update Server Connections (Daily by IP)
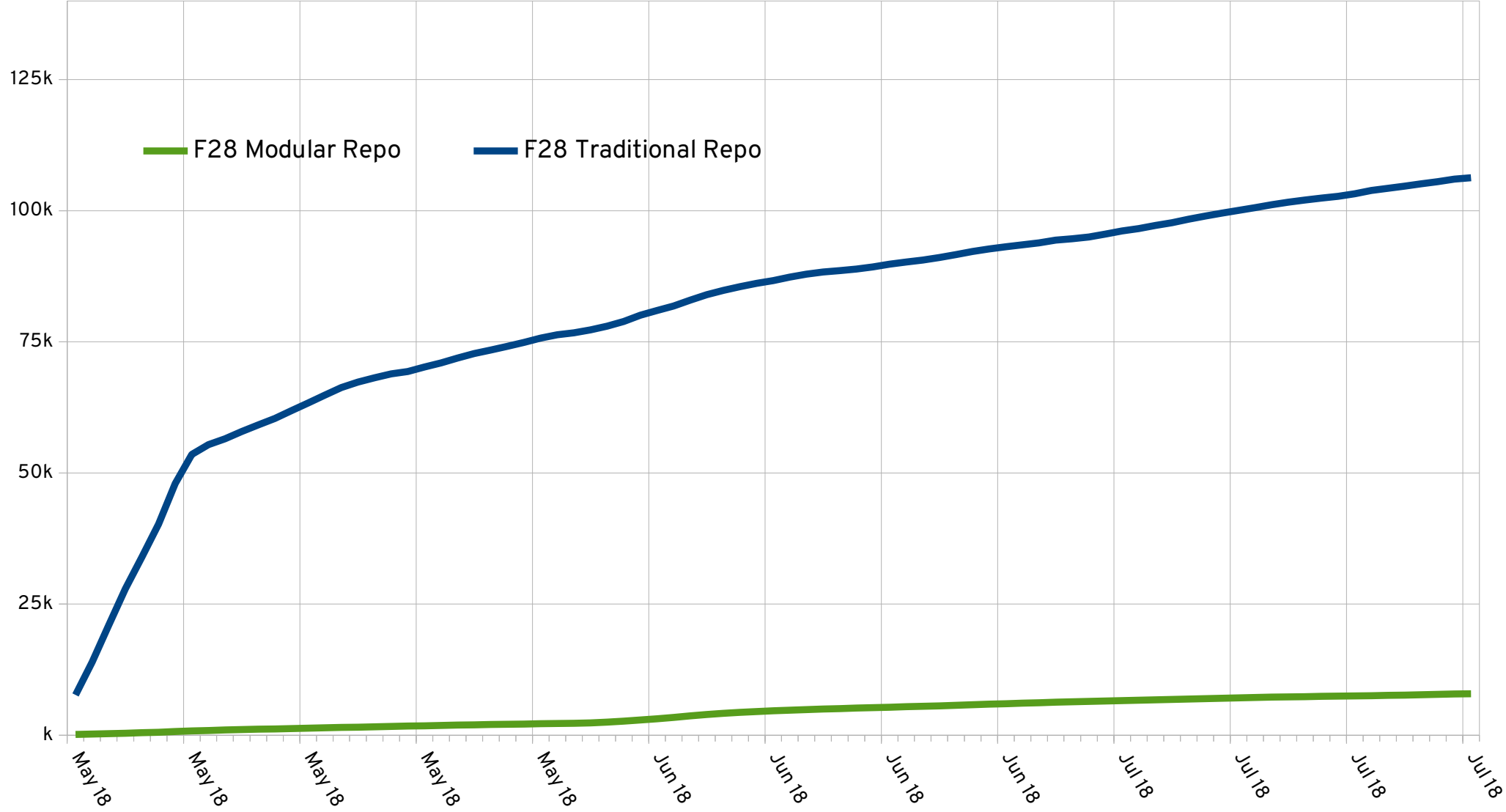
THE GEOLOGIC ERAS OF FEDORA

Legend: F29-F28, F27-F21, F20, F19-F15, F14-F9, F8, F7-F6, Rawhide

Legend: F28 Modular Repo — F28 Traditional Repo

Update Server Connections by System Architecture

Legend:
- ARM 32 (green)
- ARM 64 (yellow)
- x86_32 (orange)
- x86_64 (blue)

Update Server Connections by System Architecture

Legend:
- x86_64
- x86_32
- ARM 64
- ARM 32

Fedora EPEL and Fedora OS Update Server Connections
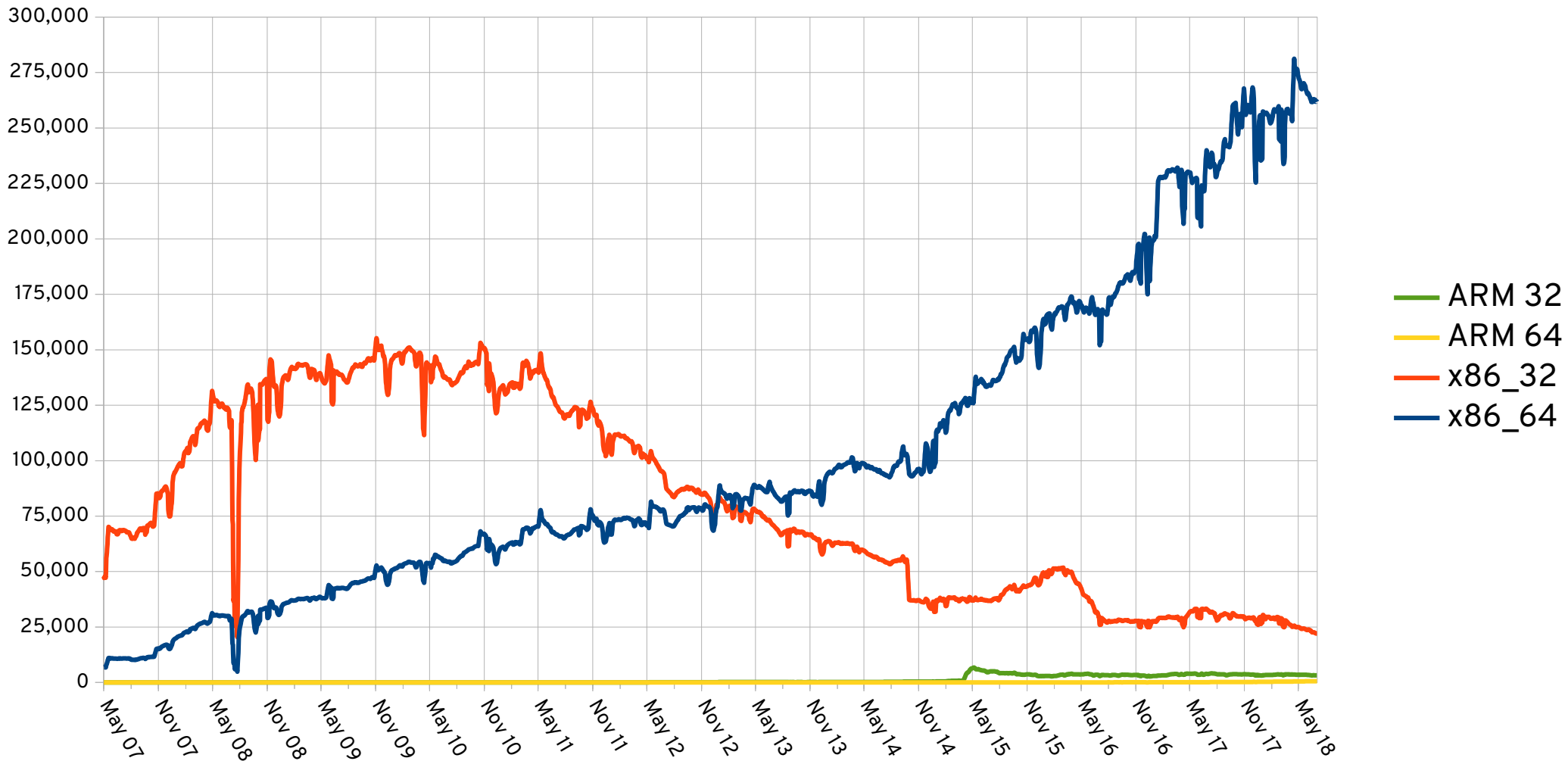
EPEL
EPEL (Moving Average)
Fedora OS
Fedora OS (Moving Average)
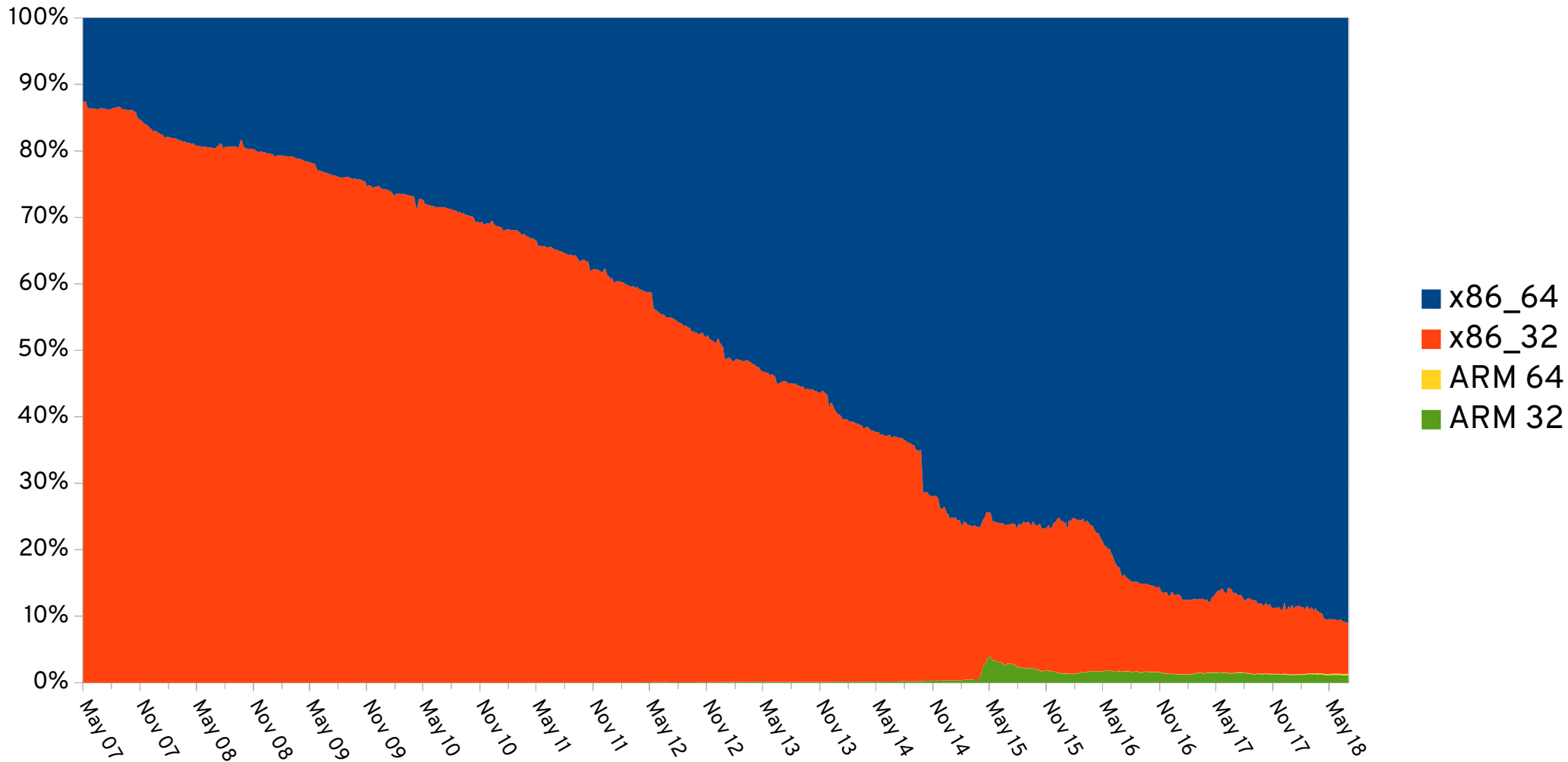
Thus endeth the charty portion of the talk.

Monolithic OS → Modular OS

FEDORA.NEXT RINGS MODEL CONCEPT

SPRING 2015

COPR

COPR

COPR

COPR

COPR

COPR

3RD PARTY

3RD PARTY

3RD PARTY

3RD PARTY

3RD PARTY

FEDORA RPM COLLECTION

IPA

LAMP

DB

FILE

SERVER

IOT? SDN?

BASE DESIGN

CLOUD

DOCKAH

DOCKAH

DOCKAH

DOCKAH

DOCKAH

BUILD DEPS FOR BASE

WORKSTATION

DESIGN SUITE

DEV ASSISTNT

SCIENTIFIC

APPS: RPM REPOS AND OTHER DELIVERY MECHANISMS
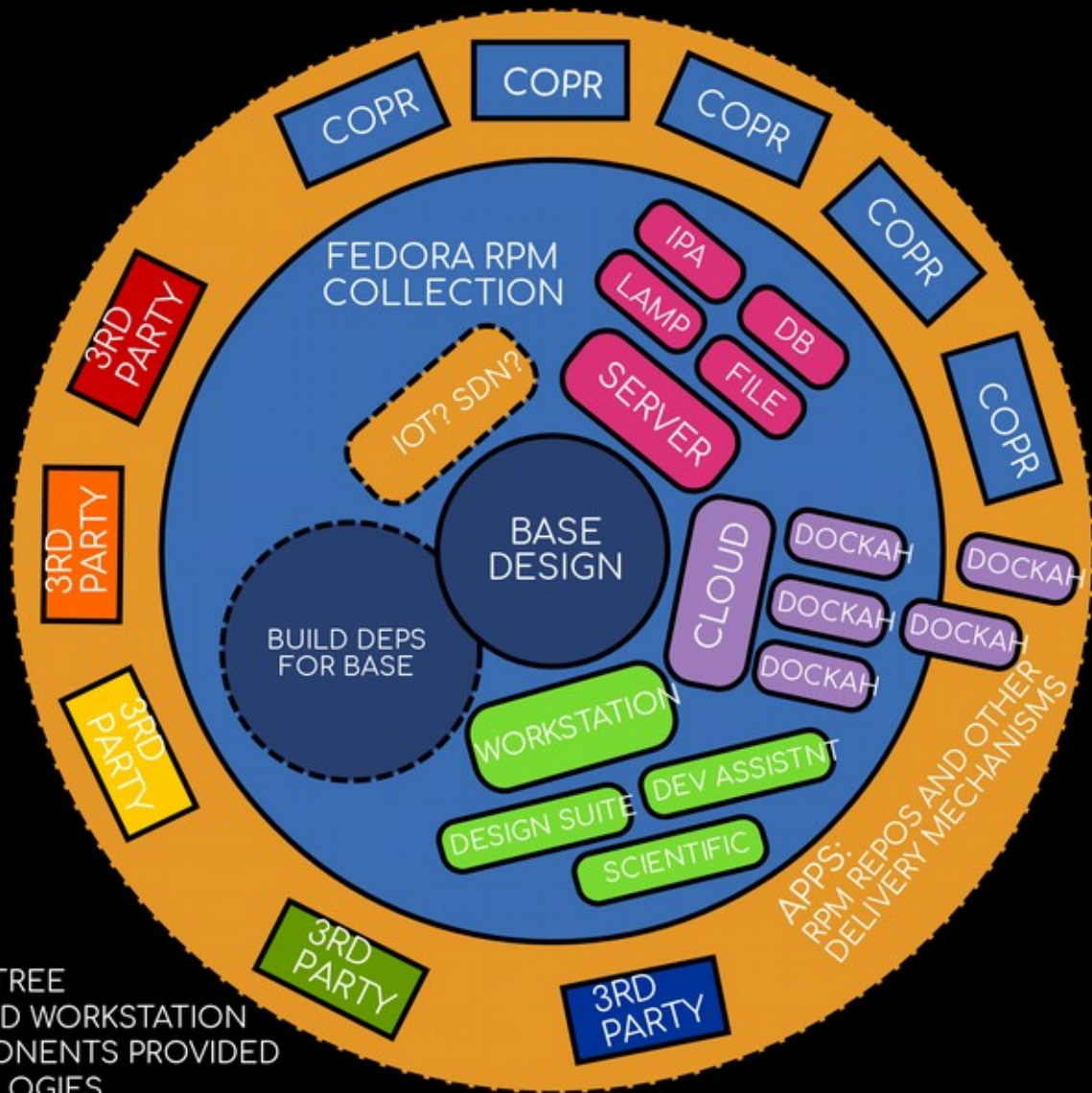
BASE DESIGN AS RPM-OSTREE
WITH SERVER, CLOUD, AND WORKSTATION
AS OVERLAYS; SUBCOMPONENTS PROVIDED
VIA CONTAINER TECHNOLOGIES

COUNCIL

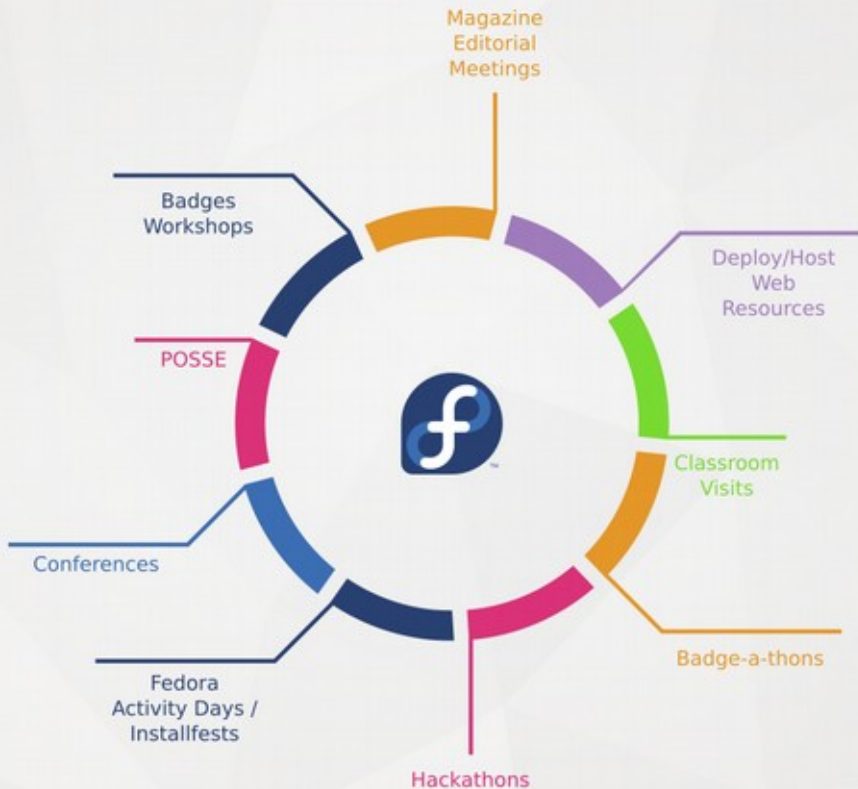## EDU Initiatives Logic Model

INPUTS

- Mentors
- IRC Channels
- Mailing Lists
- Fedora Hubs

- Fedora Badges
- Fedora Magazine

- OpenShift.com
- Pagure + Fedora Hosted
- Fedora Infra (Server Space)

- Budget

ACTIVITIES

- Magazine Editorial Meetings
- Badges Workshops
- POSSE
- Conferences
- Fedora Activity Days / Installfests
- Hackathons
- Badge-a-thons
- Classroom Visits
- Deploy/Host Web Resources

OUTPUTS

- Curriculum modules for professors
- Work-study / co-op / for-credit programs
- Outreachy + GsoC Interns
- letters@fpo Request Program

- EDU Hubs Pages
- More Magazine EDU content
- More EDU badges

- Documentation: SOP for installfests
- Documentation: SOP for Hackathons
- Documentation: SOP for contests / Badge-a-thons

- Bug fixes and patches

OUTCOMES

1 Increased campus visibility for Fedora
- ⟩ # of Fedora events on campus
  # of student projects on OpenShift
  Sign-in sheets

2 New contributors
- ⟩ FPCA msgs for *.edu email addresses
  A new FAS group
  New badges for students
  EDU hub roster counts

3 New types of contributors
- ⟩ Mailing list *.edu membership
  EDU hub roster counts

4 Increased bug reports + RFEs
- ⟩ TBD

5 On-campus Fedora deployments
- ⟩ # of installs / computer labs
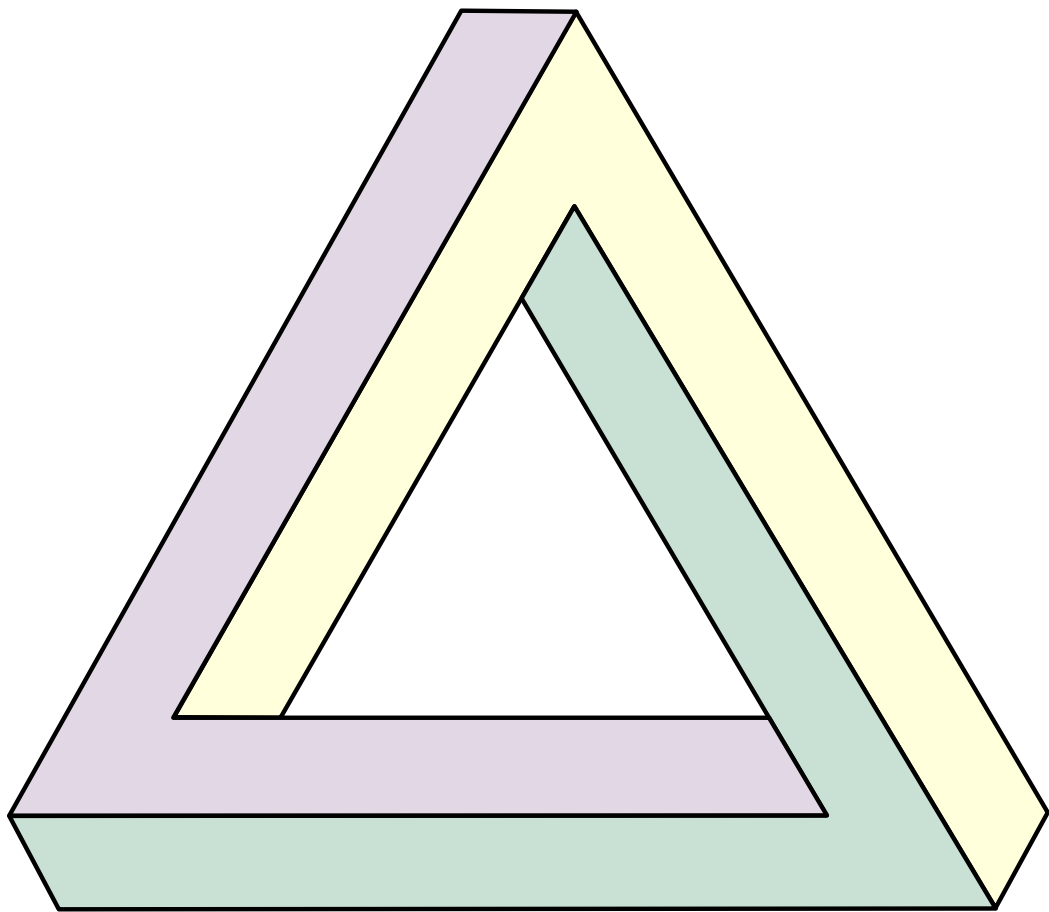 # of users of service (eg OpenShift)

IMPACT

Improved mindshare among potential contributors.

Improved mindshare among potential contributors.

Up Next: Editions and Objectives

Keynote tomorrow: Rebecca Fernandez on … how to make stuff better