



Extra Icons



# Fedora Server Edition

Where are we going

Peter Boy

Speaker name

# Fedora Server Edition

## Where are we going

- The current state of Fedora Server Edition
  - The Working Group
  - Fedora Server Edition goals and status
- What's going on
- Fedora Server Edition in virtualized runtime environments
- Fedora Server Edition on ARM Single Board Computers



# Fedora Server Edition Status



# The Working Group

- “Reboot” December 2020
- 'Officially' 17 members according to the Working Group regulations.
- 2-weekly IRC meetings with consistently 4-7 members explicitly present.
- 9 members, who in the past 2 1/2 years have regularly participated in discussions and contributed actual work and substantial results.
- 2 members with occasional contributions to discussions and 6 members who have not been active for more than a year.



# The Edition

- We updated our technical specifications, shifting from udev based Server Roles to Ansible based specifically Supported Services.
- Our main goal is (still) to provide a *generic server* that technologically supports a *wide range of options* and allows *easy adaptability* to a wide range of *different use cases, requirements* and business models, i.e. a "multi-purpose" server.



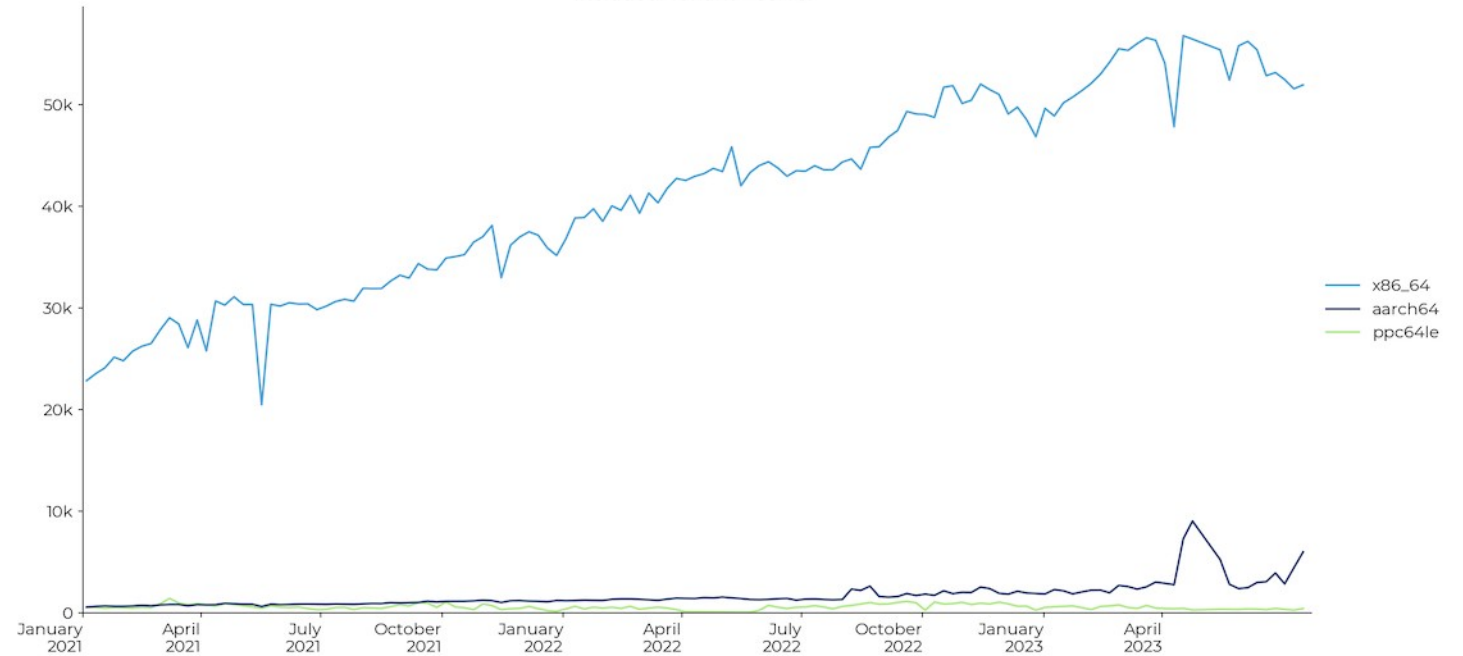
# Usage of Fedora Server Edition

Recorded update requests

Obviously, we are meeting a growing demand.

Fedora Linux systems: CPU architecture weekly checkins

Included: variant = server



**What's going on**



# Server Docs Improvement

Obviously, we have been quite diligent. But there is still room for improvement.



Our focus for the coming year should be on "Services" so that we cover as much of our "Specifically Supported Services" as possible.

## Fedora Docs Repo

Report information

Repositories: 9. Git: 9. Running: 0

Summary Activity Community Performance **Repos** CHA<sup>OS</sup>SS [More details](#)

Select a repository... Apply filter 2022-07-27 - 2023-07-27  

The following table shows all the commits, issues, reviews and its corresponding number of authors/submitters for all the history of each repository.

Repository ↕	Commits ↕	Issues ↕	Reviews ↕	Commits authors ↕	Issues submitters ↕	Reviews submitters ↕
GitHub coreos/fedora-coreos-docs	555	74	255	94	29	57
GitHub CentOS/docs-installation-guide	37	0	0	12	0	0
Git https://pagure.io/fedora-docs/quick-docs.git	983	0	0	214	0	0
Git https://pagure.io/fedora-workstation.git	22	0	0	6	0	0
Git https://pagure.io/fedora-server.git	250	0	0	26	0	0
Git https://github.com/fedora-iot/iot-docs.git	151	0	0	34	0	0
Git https://github.com/fedora-silverblue/silverblue-docs.git	158	0	0	60	0	0
Git https://pagure.io/fedora-kde/kinoite-docs.git	68	0	0	13	0	0
Git https://pagure.io/epel.git	148	0	0	32	0	0





# Works in Progress

As you can see, there is a lot to do. Two items are particularly relevant

#60 Using Ansible to install and configure Wildfly

#88 Review installation media

The screenshot shows the Fedora PAgURE project page for `fedora-server`. The interface includes a navigation bar with options like "New Issue", "Open PR", "View fork", and "Clone". Below the navigation, there are tabs for "Source", "Issues (22)", "Pull Requests (1)", "Roadmap", "Boards", "Stats", and "Settings". The main content area is titled "Works in progress" and features a Kanban board with seven columns:

- BACKLOG (4)**: #51 - Revisiting "Software Selection" options in Server Installation; #55 - Revisiting default editor for Fedora Server Edition; #54 - Include automatic notification of updates (dnf-automatic) in Fedora Server; #53 - Adding Upgrade notification (dns-automatic) to install image.
- STARTUP (3)**: #63 - Revisiting Fedora Server quality criteria and procedures; #88 - Review installation media; #86 - Cockpit File Sharing module.
- POSTPONED (3)**: #61 - Revisiting Fedora Server release criteria; #89 - Software Raid on a UEFI system using GPT partitioning scheme; #111 - F39->40: Add module cockpit-navigator to default Installation.
- BLOCKED (2)**: #48 - Determine Current Size of Full Install; #32 - Synchronize Server full install and net install iso images.
- IN PROGRESS (3)**: #52 - Moving Wiki Pages to docs.fedoraproject.org; #62 - Creation of a SBC reference list; #101 - A "story" for each release.
- IN REVIEW (2)**: #57 - Migration of unmodified Wiki content; #100 - New Doc about ServerVM & ImageFactory needs review.
- DONE (5)**: #58 - Review current Fedora Server Technical Specification; #87 - Software Raid on a BiosBoot system using GPT partitioning scheme; #53 - Facilitated and improved support for Fedora Server Edition VMs; #91 - F37 Beta Testing; #65 - Fedora Website Revamp.

# Upcoming Projects





# Fedora Server in a virtualized runtime environment

Given the performance increases in server hardware, many use cases and business models cannot fully utilize the hardware potential. A broad market of virtualized runtime environments has developed for this scenario (VPS/VDS). .

- Support various providers offerings by specific installation images, if useful.
- Create documentation about installations on various provider systems.
- An initial post about this plan generated a lot of reaction. It gives a lot of interest and hopefully new contributors.



# Fedora Server on (ARM) SBC

Fedora Server Edition is also available for Single Board Computers (SBC). There is a lot of discussion about it. And an increasing number of installations or or questions about it.

What has a solid, professional server system like Fedora Server Edition doing on such a (DIY) device?

- Determination of selection criteria, e.g. solid case, stackable case, Availability of a fast storage medium (NVME or eMMC), et altera
- Determination of useful applications, e.g. server monitor software, backup server, cockpit gateway, Ansible control node, etc.
- Provision of an "economical and energy-efficient home server appliance", compensating for software limitations of commercial WEB driven NAS