



Keeping the Lights on for Fedora Project Infra

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Overview of Fedora Infrastructure

- 2 data centers - IAD2 (Ashburn, VA) and RDU2 (Raleigh, NC)
 - 147 Fedora Servers
- AWS cloud - Community account
 - EC2
 - Cloudfront
 - Eks
- Hosting 60+ applications across all infrastructure

Types of Infrastructure

- Bare-metal nodes
 - KVM hypervisors
 - Openshift Container Platform
- Virtual Machines
 - Applications
 - Database servers
- AWS
 - Proxies
 - CI
- Openshift
 - Containerized applications



ANSIBLE

pagure.io/fedora-infra/ansible



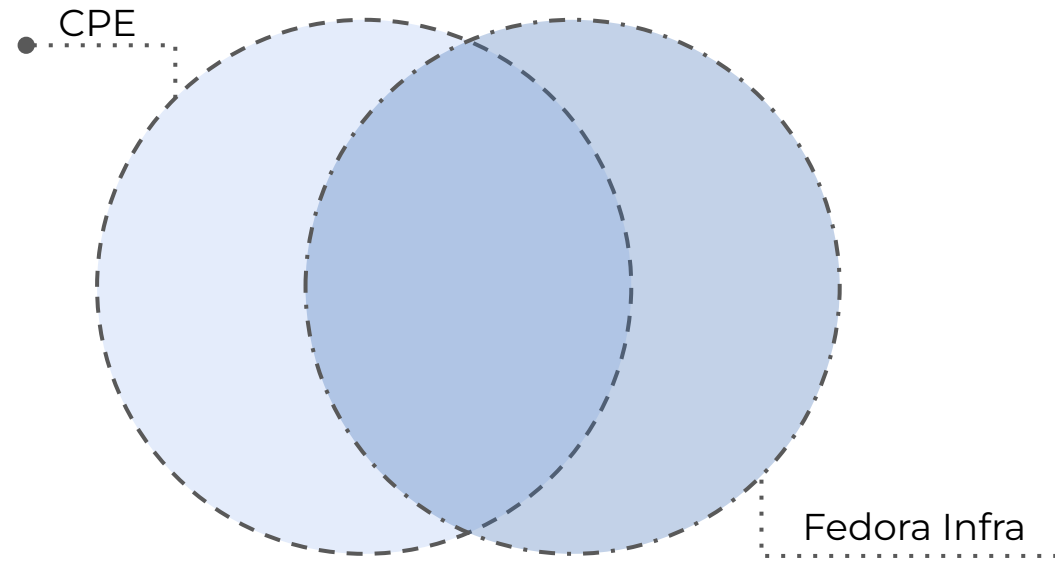
Automated process of application deployments

- Ansible
 - Configuration
 - Deployment
- Central deployment node
 - Rbac-playbook
 - Secret control
- Community driven
 - Anyone can contribute
- Infrastructure integrity
 - Code Freezes

How Red Hat helps

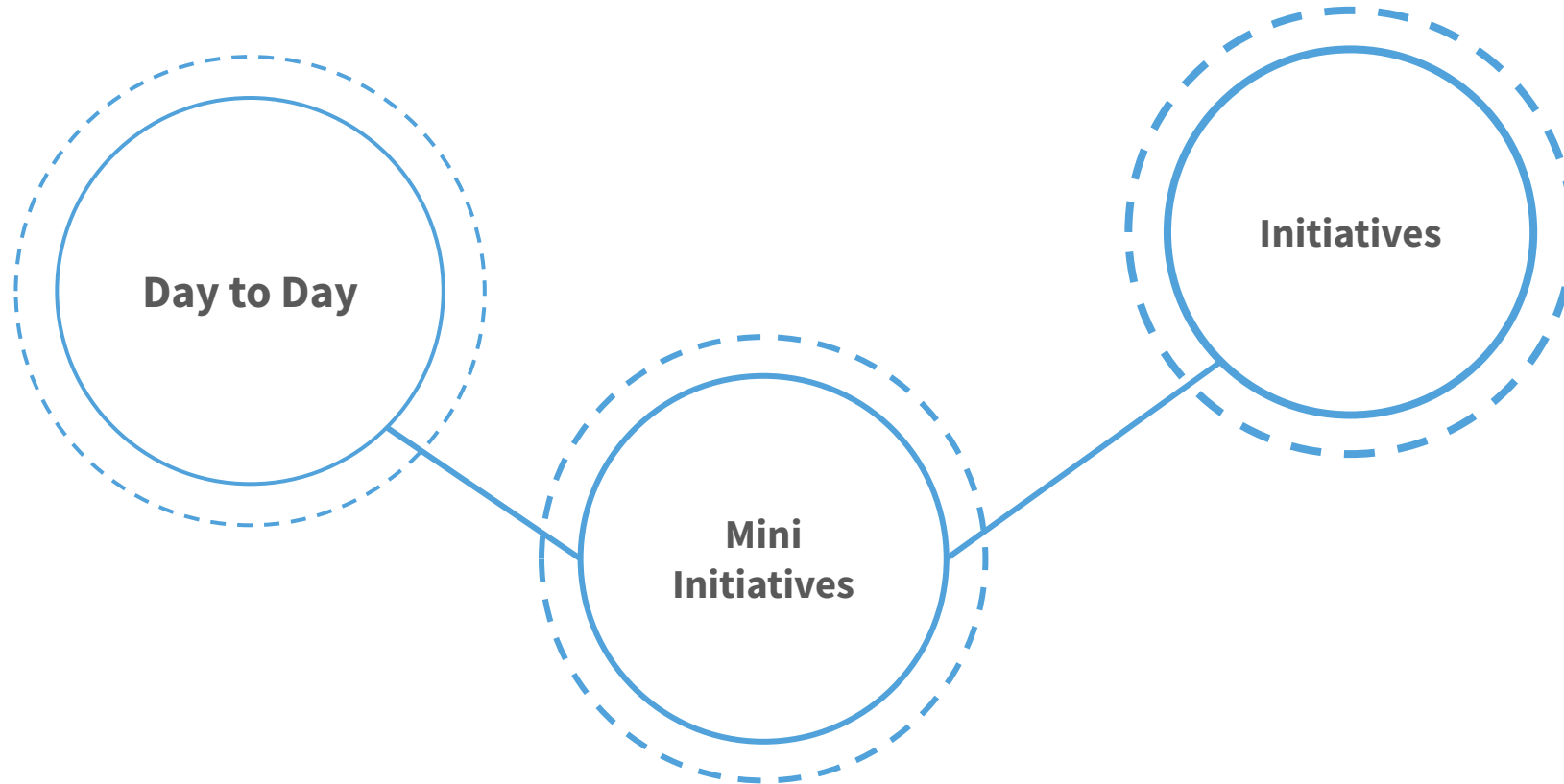
- Supplies most of the infrastructure
- On site IT support
- Dedicated teams to work on Fedora
- Fosters open culture
 - Community first
 - Open by default

Communication guidelines



red.ht/fedora-infra-issues | red.ht/fedora-infra-comms | red.ht/fedora-infra-chat

How Fedora Infra works



Day to day work

- Work which takes a relatively short time
- Issues raised on ticket trackers
 - Triageed twice daily
 - Assigned trouble v gain tags
 - Assigned category tags - AWS, bodhi, outage, etc..
- General tasks
 - Server upgrades
 - Server installations
 - Reviewing PR's

red.ht/fedora-infra-issues | <https://red.ht/fedora-releng-issues>

Mini Initiatives

- Work which takes a medium amount of time
- Evaluated by Infra & releng team
- Prioritised monthly
- Second priority to day to day work

<https://red.ht/fedora-mini-initiatives>

Initiatives

- Large amount of work - team of people multiple months
- Proposed by community
- Evaluated by Product Owner
- Investigated by ARC team
 - Small team for ~2 weeks
 - Feasibility and POC
- Stakeholder prioritization
- Work is carried out

<https://red.ht/fedora-initiatives> | <https://red.ht/fedora-arc>

How can you help?

- You can help us if you do
 - Python
 - Bash
 - Linux Administration
 - Ansible - of course!
- Become an fi-apprentice
- Create Fedora account
- Attend meetings and discuss issues | red.ht/fedora-infra-meeting
- Shadow other Infra team members

github.com/fedora-infra | pagure.io/fedora-infra | pagure.io/fedora-infra/ansible | accounts.fedoraproject.org

Thank You!

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