

Dive deep into Fedora Infra



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/whatis

The Fedora Project is...

- A partnership of Free Software community members from around the globe who build software and communities to produce a Linux distribution called "Fedora."
- The Project's mission is to lead the advancement of Free and Open Source software and content as a collaborative community.



Fedora has many sub projects:

- Ambassadors
- Community Operations
- Design
- Documentation
- EPEL
- Infrastructure
- Internationalization
- Localization
- Marketing
- Magazine
- Package Maintainers
- Quality Assurance
- Websites



What are we going to focus on?

- Ambassadors
- Community Operations
- Design
- Documentation
- EPEL
- Infrastructure
- Internationalization
- Localization
- Marketing
- Magazine
- Package Maintainers
- Quality Assurance
- Websites



Few apps that make up the Infrastructure...

- fedmsg
 - datagrepper
 - pagure
 - fmn
 - (lib, web, rules, consumer)
 - fedora-hubs
 - fedimg
 - bugyou
 - autocloud
 - pkgdb2
 - bodhi
- and the list goes on....





- Federated Message Bus
- Messaging bus used around Fedora Infrastructure to send and receive messages
- Built using Python and ØMQ
- <http://www.fedmsg.com/>
- <https://github.com/fedora-infra/fedmsg>

datagrepper

- Provides a HTTP API to datanommer
- Webapp to retrieve information about messages on the fedmsg bus
- Built using Python and Flask
- <https://apps.fedoraproject.org/datagrepper/>
- <https://github.com/fedora-infra/datagrepper>



pagure

- A git centered forge
- An application to host git repositories, their docs and maintain issues.
- Built using Python, Flask and pygit2
- <https://pagure.io/>
- <https://pagure.io/pagure>
- <https://docs.pagure.org/>

- Fedora notifications
- Application to manage end-user notifications triggered by fedmsg
- Divided into fmn.(lib, rules, consumer, web)
- Supports notification through email, IRC, desktop popups, android etc.
- Built using Python and Flask
- <https://apps.fedoraproject.org/notifications/>
- <https://github.com/fedora-infra/fmn/>

fedora-hubs

- Platform to provide communication and collaboration center for all Fedora contributors
- Uses Feed Widget, connects to datanommer
- Built using Python and Flask
- <https://pagure.io/fedora-hubs>
- https://fedoraproject.org/wiki/Fedora_Hubs

- Service to automatically upload built Fedora images to internal and external cloud providers
- Listens to fedmsg for cloud image builds.
- Emits messages to fedmsg, providing upload status and image info.
- Built using Python and Apache Libcloud
- <https://github.com/fedora-infra/fedimg>
- <http://fedimg.readthedocs.org/>



bugyou

- Bugyou is a service which listens to fedmsg messages and interacts with the issue tracking tools through an API.
- Divided into bugyou and bugyou_plugins
- Built using Python, retask and Redis
- <https://github.com/sayanchowdhury/bugyou>
- <http://bugyou.readthedocs.org/>

autocloud

- Application to test Fedora Cloud Image on Koji
- Listens to fedmsg for new Cloud Image builds
- Emits messages to fedmsg, providing running status and test result info.
- Provides a web UI with the status of Image builds
- Built using Python, Tunir and Flask
- <https://github.com/kushaldas/autocloud>
- <https://apps.fedoraproject.org/autocloud/>

pkgdb2

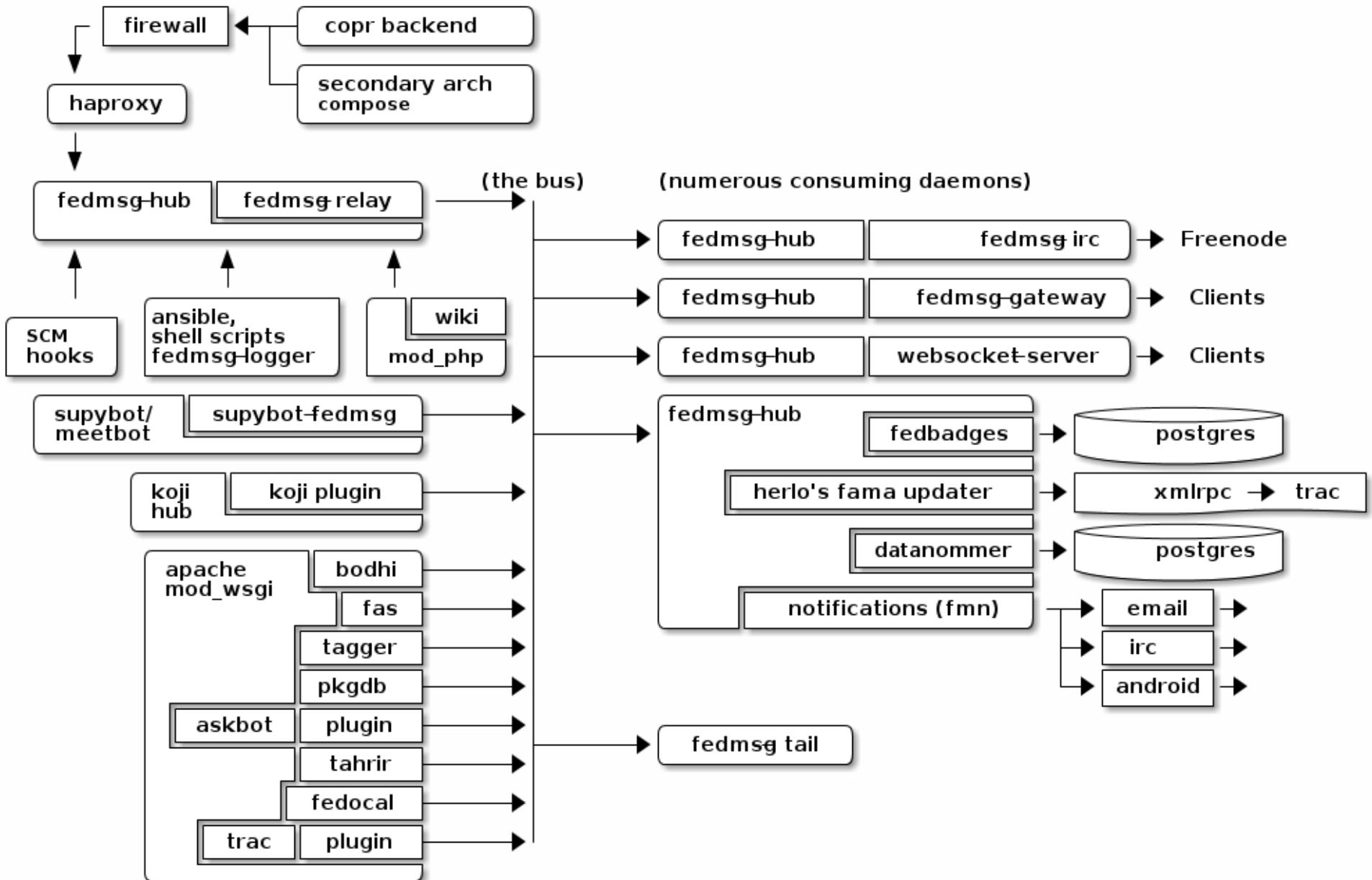
- Application to manage access to commit to git of Fedora packages.
- Handles who gets notifications for changes in the git, builds or bugs.
- Integrates with FAS (Fedora Account System)
- Built using Python and Flask
- <https://github.com/fedora-infra/pkgdb2>
- <https://admin.fedoraproject.org/pkgdb/>



bodhi

- Application that facilitates the process of publishing updates for a Fedora-based software distribution.
- Handles sending emails, dealing with koji
- Built using Python and Flask
- <https://github.com/fedora-infra/bodhi>
- <https://bodhi.fedoraproject.org/>

How is fedmsg connected?





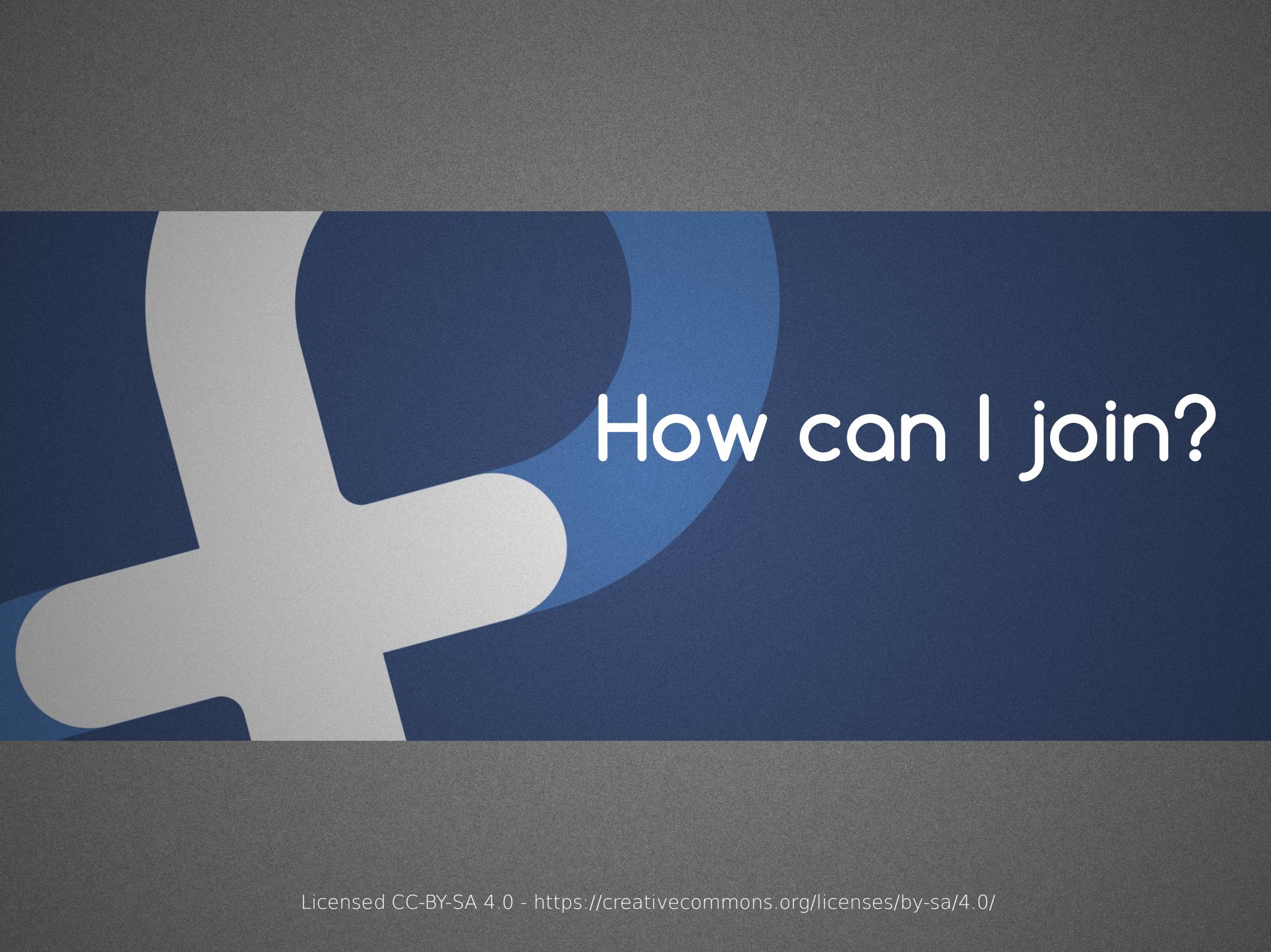
What else can
I help with?

Ansible

(That is what runs the Fedora Infrastructure)

Ansible

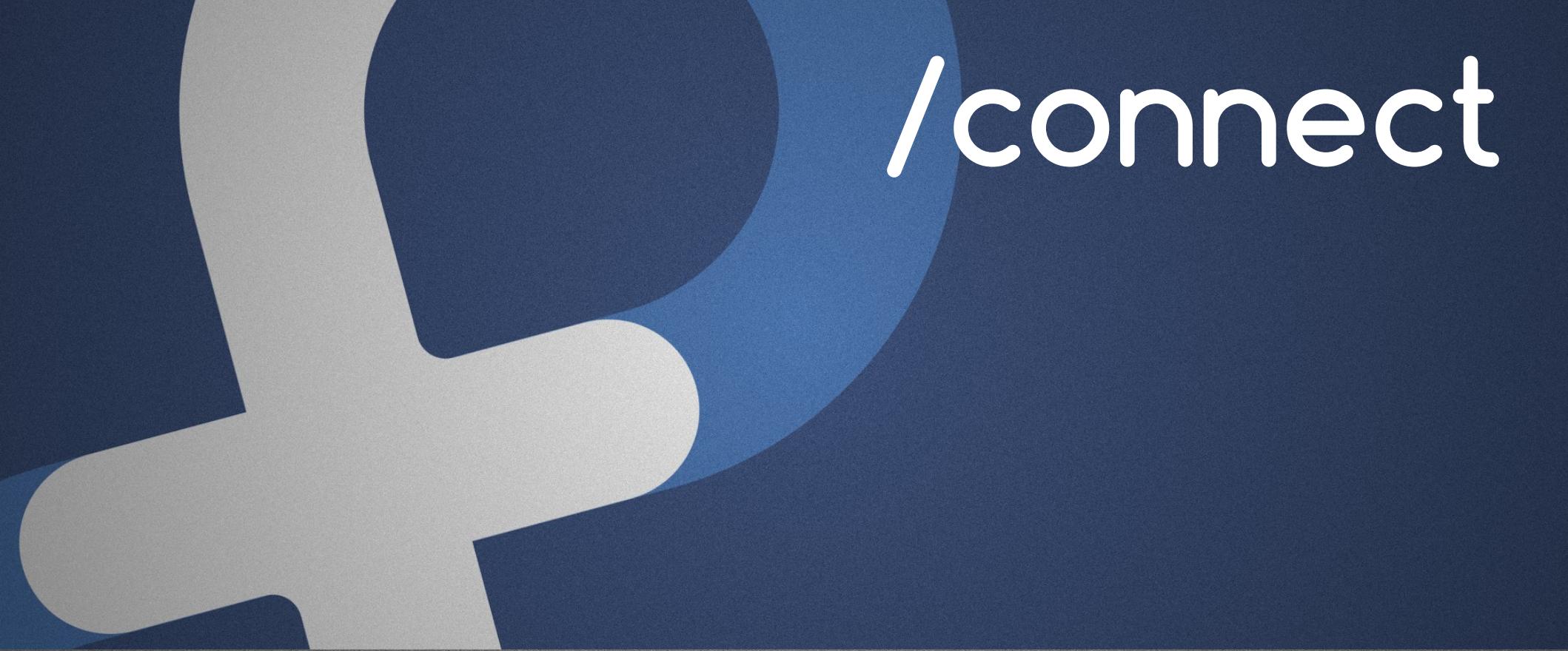
- Ansible Playbooks are Public. (Only the secret data such as API Keys, passwords are private)
- <https://infrastructure.fedoraproject.org/cgit/ansible.git/>



How can I join?

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- Anyone can join Fedora Infra as an Apprentice.
- Introduce yourself over the mailing list.
- Join us in our weekly IRC Meetings.
- Look for issues with 'Easyfix' label in the Pagure/Github project issues.
- Drop in to our IRC channels to ask for help, discuss about projects/features/ideas or just to say us 'hi'.
- Start getting active on Mailing List.



/connect

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- Mailing List:

<https://lists.fedoraproject.org/admin/lists/infrastructure.lists.fedoraproject.org/>

- IRC Channels on Freenode:

#fedora-apps | #fedora-admin | #fedora-noc | #fedora-commops

- Code Repos:

<http://github.com/fedora-infra> | <http://pagure.io>

- Getting Started documentation:

<https://fedoraproject.org/wiki/Infrastructure/GettingStarted>



Questions?

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