French exit-nodes, funded by the community
How are they managed?
What is Nos-oignons?

Constraints

So what are you using to make this work?
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- A French association
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- A *French* association
- Several teams:

- Adminsys
- Administration
- Abuses-handler

We're running high-capacity Tor exit-nodes located in France

Almost 3% of the exit-traffic

Something like 600Mbit/s full duplex

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- *Simplicity* and low-overhead *maintainability*
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So what are you using to make this work?
The obvious ones

- **IRC** for meetings
- **GPG** for emails
- **OTR** for chat
- **ferm** for firewall
etckeeper

- Keeps /etc in a git repo
- Emails for every modification
- Hooks for automatic packages upgrades

https://etckeeper.branchable.com/
schleuder

- GPG-encrypted mailing-list
- You receive emails encrypted with your public key
- It needs some love to run on Jessie :/

http://schleuder2.nadir.org/
request tracker

- Ticketing system in Perl and PostgreSQL
- Also works with (gpg) emails
- Powerful but tricky to handle at first
- Also used by the abuse-handling team

https://bestpractical.com/rt/
keyringer

- A *git*+*gpg* wrapper
- Manages distributed secrets
  - Credentials
  - Cryptographic materials
  - Contacts

https://keyringer.pw/
ikiwiki

- git-based wiki
- User for public website and internal wikis
- Locally buildable
- Awesome internal documentation:
  - Adding/removing a member/service/software
  - Installing/deploying a new node
  - Various adminsys tasks how-to

https://ikiwiki.info/
About the internal sysadmin wiki...

It’s now available here:

https://nos-oignons.net/wiki-admin

(in French only, sorry :/)

YOU Can Help Protect Freedom Of Speech Online...
Run a TOR Relay Today!

TorProject.org