



French exit-nodes, funded by the community
How are they managed?



What is Nos-ignons?

- ▶ A *French* association



What is Nos-ignons?

- ▶ A *French* association
- ▶ Several teams:



What is Nos-ignons?

- ▶ A *French* association
- ▶ Several teams:
 - ▶ Adminsys



What is Nos-oignons?

- ▶ A *French* association
- ▶ Several teams:
 - ▶ Adminsys
 - ▶ Administration



What is Nos-ignons?

- ▶ A *French* association
- ▶ Several teams:
 - ▶ Adminsys
 - ▶ Administration
 - ▶ Abuses-handler



What is Nos-ignons?

- ▶ A *French* association
- ▶ Several teams:
 - ▶ Adminsys
 - ▶ Administration
 - ▶ Abuses-handler
- ▶ We're running high-capacity Tor *exit-nodes* located in France



What is Nos-oignons?

- ▶ 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



What is Nos-ignons?

- ▶ 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



What is Nos-ignons?

- ▶ 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
- ▶ "Mind your own business" is "Mind your own onions" in French.





Constraints

- ▶ Free (*libre*) software only



Constraints

- ▶ Free (*libre*) software only
- ▶ *Encrypt* as much as possible, without a master key



Constraints

- ▶ Free (*libre*) software only
- ▶ *Encrypt* as much as possible, without a master key
- ▶ High *independence* between admin sys.



Constraints

- ▶ Free (*libre*) software only
- ▶ *Encrypt* as much as possible, without a master key
- ▶ High *independence* between admin sys.
- ▶ *Emails* and being *offline* are great things



Constraints

- ▶ Free (*libre*) software only
- ▶ *Encrypt* as much as possible, without a master key
- ▶ High *independence* between admin sys.
- ▶ *Emails* and being *offline* are great things
- ▶ *Simplicity* and low-overhead *maintainability*





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 mailling-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 :/)

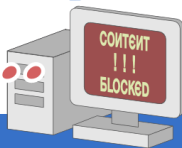


★ YOU ★

Can Help Protect

Freedom Of Speech

Online...



Run a
TOR RELAY
Today!

★★ TorProject.org ★★