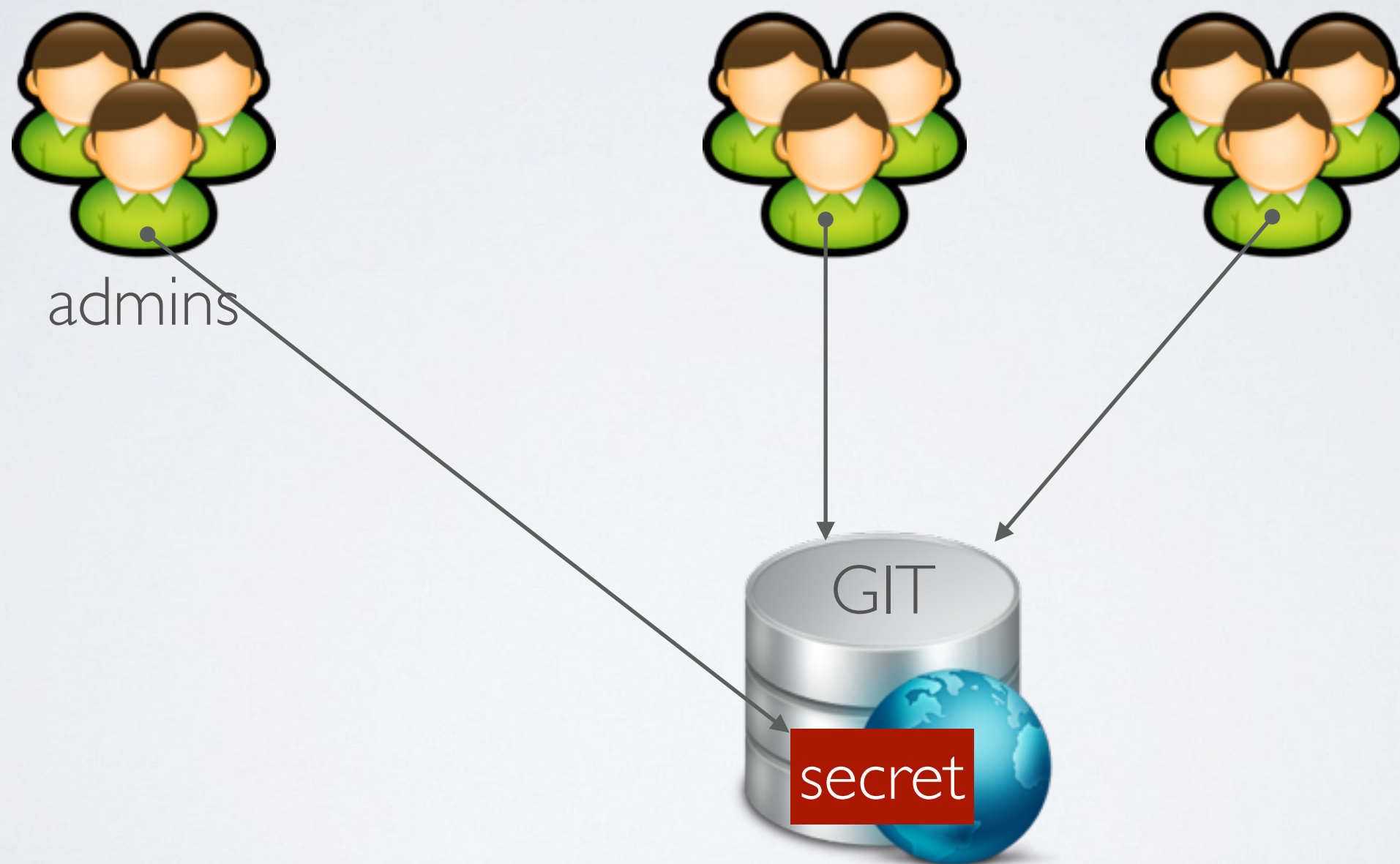# DJANGOCON EUROPE 2015
LIGHTNING TALKS

GIT-CRYPT

Transparent file encryption in git

Thomas 'alphacc' Oulevey @thomasnomas

USE CASE

admins

GIT

secret

EASY

- files are encrypted when committed.

- files are decrypted when checked out.

- no server side changes.
  Any git hosting solution github, bitbucket, gitlab…

- Version 0.5
  https://github.com/AGWA/git-crypt by Andrew Ayer.

GPG

- You need a gpg key

- … and to export it to a file.

```
$ gpg --genkey


$ gpg --export-secret-keys --armor
demo@example.com > /etc/pki/
private.gpg
```

GIT-CRYPT

- Install gpg-crypt

$ brew install git-crypt

OR

$ make && make install

$ yum install git-crypt
CentOS 6 & 7 test packages are
available. Thanks @Arrfab !

USE GIT-CRYPT

- git init && git-crypt init /etc/pki/private.gpg

- Define files to encrypt in **.gitattributes** :
  *.key filter=git-crypt diff=git-crypt

- All files with extension **.key** will be now transparently encrypted/decrypted.

- git-crypt unlock /etc/pki/private.gpg

FULL EXAMPLE

$ git clone https://github.com/alphacc/djangoconeu2015
$ cd djangoconeu2015/
$ cat secret.key (garbled content)
$ git-crypt unlock /path/to/demo.key
$ cat secret.key

• The demo.key is available on :

https://gist.github.com/alphacc

WWW.THEPORT.CH

- http://theport.ch/portfolio-item/the-port-presentation/