

Beating the sneakernet with Fipes FOSDEM 2013

YOU WANT YOUR COUSIN TO SEND YOU A FILE? EASY.
HE CAN EMAIL IT TO— ... OH, IT'S 25 MB? HMM...

DO EITHER OF YOU HAVE AN FTP SERVER? NO, RIGHT.
IF YOU HAD WEB HOSTING, YOU COULD UPLOAD IT...

HMM. WE COULD TRY ONE OF THOSE MEGASHAREUPLOAD SITES,
BUT THEY'RE FLAKY AND FULL OF DELAYS AND PORN POPUPS.

HOW ABOUT AIM DIRECT CONNECT? ANYONE STILL USE THAT?

OH, WAIT, DROPBOX! IT'S THIS RECENT STARTUP FROM A FEW
YEARS BACK THAT SYNCs FOLDERS BETWEEN COMPUTERS.
YOU JUST NEED TO MAKE AN ACCOUNT, INSTALL THE—



OH, HE JUST DROVE
OVER TO YOUR HOUSE
WITH A USB DRIVE?

UH, COOL, THAT
WORKS, TOO.

I LIKE HOW WE'VE HAD THE INTERNET FOR DECADES,
YET "SENDING FILES" IS SOMETHING EARLY
ADAPTERS ARE STILL FIGURING OUT HOW TO DO.

« Every time you email a file to yourself so you can pull it up on your friend's laptop, Tim Berners-Lee sheds a single tear. »

Sneakers!

/snee´ker·net/, n.

Term used (generally with ironic intent) for transfer of electronic information by physically carrying tape, disks, or some other media from one machine to another.

The Jargon File



Features

- High throughput
- **Privacy friendly**
 - Easy to use
- Easy to understand
 - **High Latency**

What do we need to beat the sneakernet?


We need a privacy friendly open source web application that doesn't ask me for an account and doesn't keep any data about me or my files.

Fipes

FIPES IS AN **EASY** WAY TO SHARE
FILES WITH YOUR **FRIENDS**



DRAG'N DROP YOUR FILES HERE!

 or browse your files

DELIVERED **601.3 MB** SO FAR!

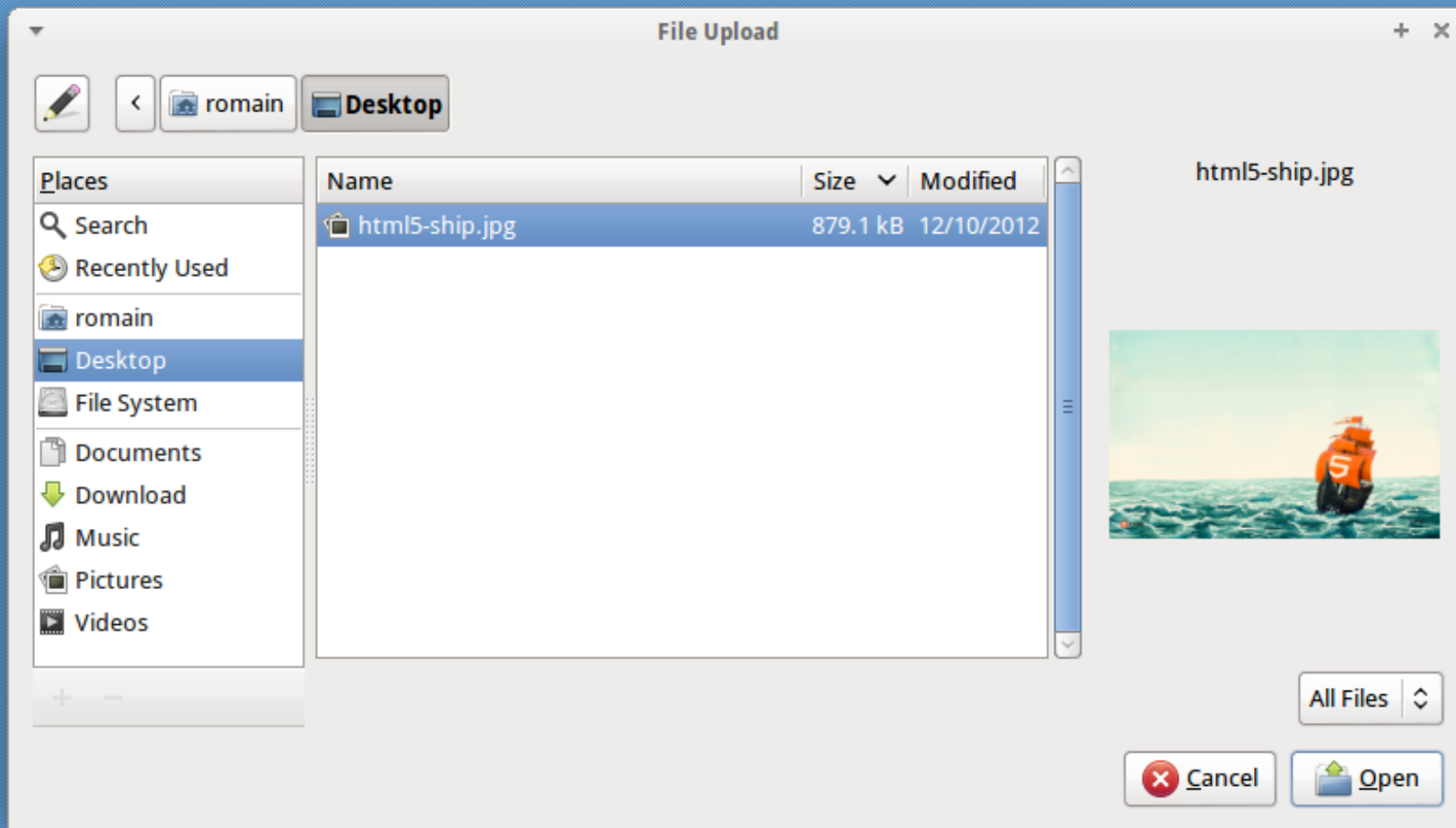
24 FILES HAVE BEEN EXCHANGED WITH AN AVERAGE SIZE OF **8.8 MB**
AND A TOTAL AMOUNT OF **53** UPLOADS.

Files + Pipes = Fipes

- A small web application
 - Easy to install, easy to launch, easy to use
- Does not keep any data about you or your files
 - Free as in Freedom



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html5-ship.jpg

858.5 KB

<https://fipelines.org/fipes/3b57adced85c2228c12a/files/7>



Code by [@tOkeshu](#), design by [@EtienneLe2may](#).





DRAG'N DROP YOUR FILES HERE!

[📁 or browse your files](#)

DELIVERED **601.3 MB** SO FAR!

25 FILES HAVE BEEN EXCHANGED WITH AN AVERAGE SIZE OF **8.5 MB**
AND A TOTAL AMOUNT OF **54** UPLOADS.

	html5-ship.jpg 858.5 KB
https://fipelines.org/fipes/3b57adced85c2228c12a/files/7	
	



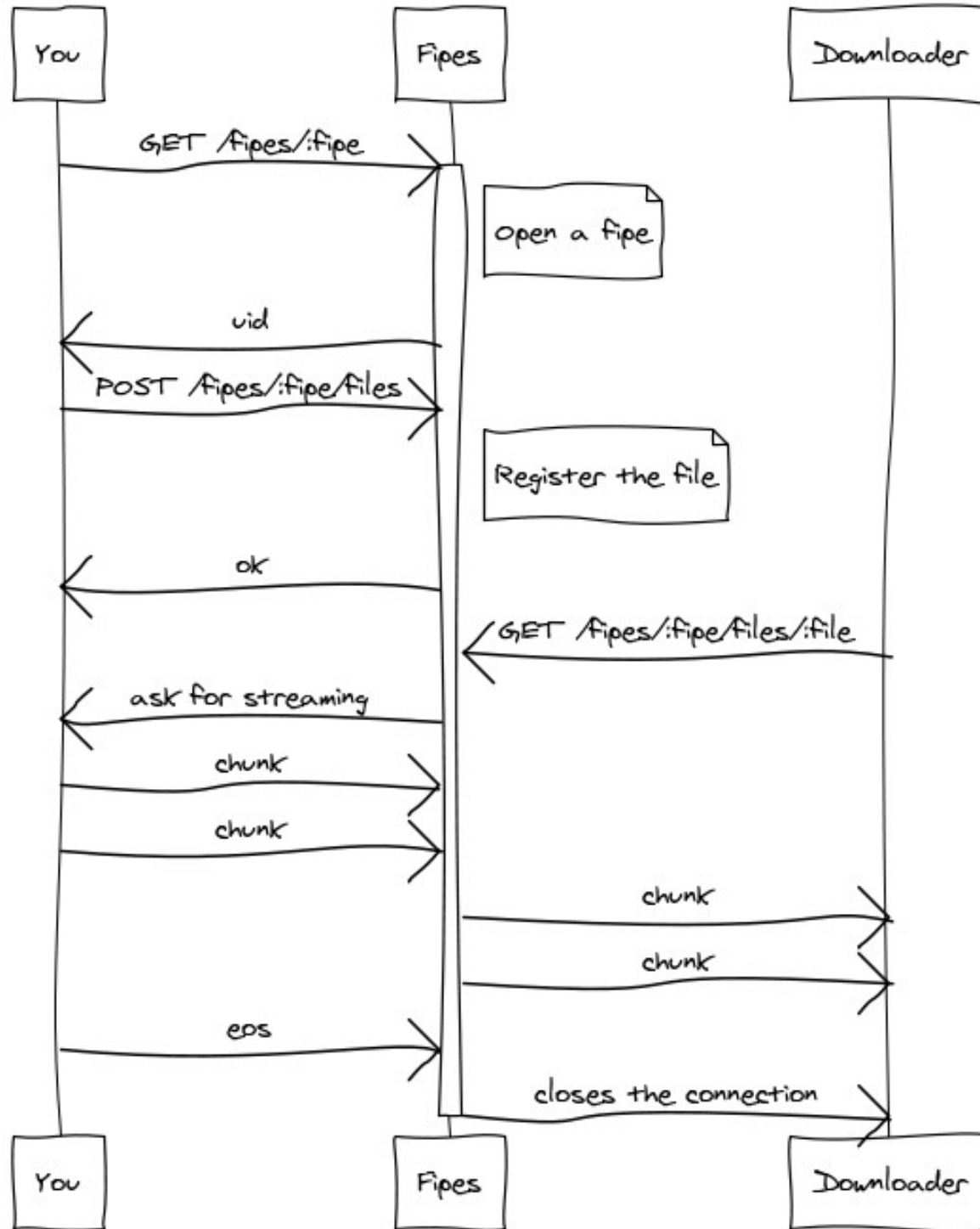
So, you just delete files after a certain time, right?

So, you just delete files after a certain time, right?

No, I don't.

I don't need to because **I don't store any data on the server.**

Fipes workflow



The future

- Binary everywhere
 - XHR2?
 - **WebRTC**

Questions?

Code: <https://github.com/tOkeshu/fipes>
(GNU AGPLv3)

Try it online: <https://pipelines.org>

@pipelines