

***I CONTROL MY OWN DATA!***

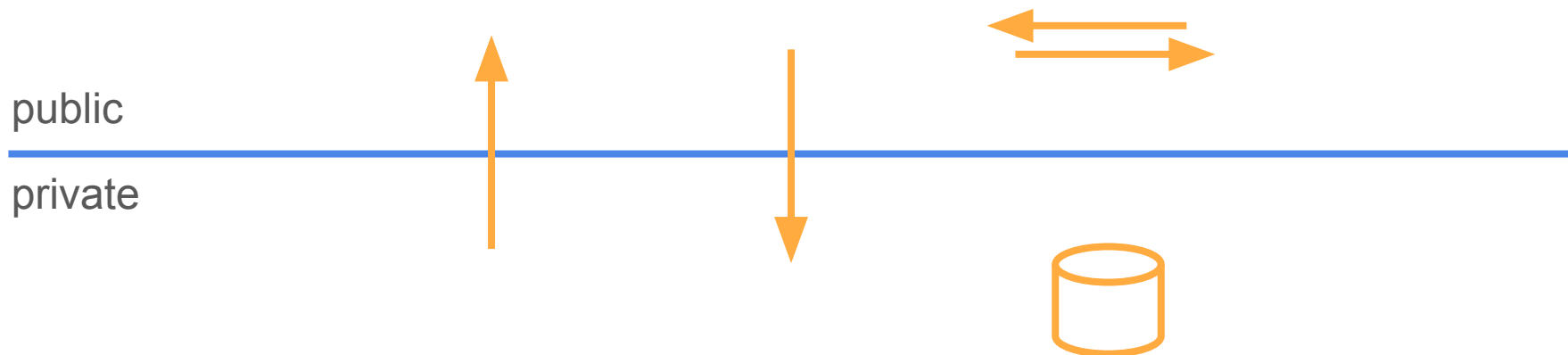
...so, what exactly can  
I do with it?

The free-software community talks about  
“data sovereignty,” “autonomy,” and so forth  
as *essential*

I've used takeout services *and* aftermarket tooling in the past:  
Google Reader + ReaderIsDead

# Aside...

“How to rid yourself of Big Tech” guides ... not really helpful



I made a list & started requestin': Google, Yahoo, Facebook, Twitter, GitHub, Amazon, Instagram, Reddit, Identi.ca, Mastodon, GitLab, Discourse, Wikipedia, LinkedIn, Gpodder, Telegram, Firefox Sync, Signal, Slack, Matrix, etc, etc, etc....

# Knowing how well this works matters

Can you actually take your data then live on your own?

If not, “sever all the connections you have with your friends and coworkers, destroy your data, lose everything you’ve posted” isn’t much of a sales pitch

# The plan:

- Look at what you can actually export
- Look at FOSS tooling & usability
- Case study on a social-network account (plus& offshoots)
- Some ideas about how the community can move the needle

# What can you get?

- Several of the biggest service providers supply a static, local HTML browsing interface
- Most provide JSON ... mostly without a schema
- Directly usable file formats are the exception (but exist!)










# What can you get: Google Takeout

Archive for [redacted]

Nov 19, 2020, 3:04:24 AM PST • 3.6 MB • [Learn more](#) about Google archives and your [deleted data](#)

PRODUCTS IN ARCHIVE (7)

-  **Contacts**  
682 files
-  **Fit**  
No data found
-  **Google Input Tools**  
No data found
-  **Keep**  
50 files
-  **Reminders**  
1 file
-  **Search Contributions**  
No data found
-  **Tasks**  
1 file

### Data included

Contacts and contact photos you added yourself, as well as contacts saved from your interactions in Google products like Gmail.




### Folder structure

Now that you've downloaded the contacts from your Google Account, you'll find folders named "My Contacts" and "All Contacts," plus additional folders if you created any labels, or starred contacts on your Android device. The "My Contacts" folder contains only those contacts you added yourself. The "All Contacts" folder contains both contacts you added yourself as well as contact info automatically saved from your interactions in Google products, like Gmail.


### How to handle this export

If you downloaded your contacts as a CSV file, you can view them in a spreadsheet, or import them to Microsoft Outlook or another Google Account. If you downloaded your contacts as a vCard file, you can import them to another Google Account, Mac OS, iOS, or other contacts services.

### You're in control of your data in Contacts

-  **Review your data**  
You can review contacts you've added to your Google Account in Contacts
-  **Manage your data**  
You can delete contacts from your Google Account in Contacts
-  **Control your data**  
Go to Gmail settings to control whether contacts are created for auto-complete.  
Go to your Google Account to control whether contact info is saved when you interact with people in other Google products.

### More options to manage your privacy








-  **Google Account**  
Manage your info, privacy, and make Google work better for you


# What can you get: Google Takeout

Archive for [REDACTED]

Nov 19, 2020, 3:04:24 AM PST • 3.6 MB • [Learn more](#) about Google archives and your [deleted data](#)

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50 files
-  **Reminders**  
1 file
-  **Search Contributions**  
No data found
-  **Tasks**  
1 file

 **Tasks**  
1 file exported successfully

[About this export](#) [Exported files](#) [File formats](#)

Below are all the possible formats you could have received in your archive:




**Task**  
Your Google Tasks

JSON

The json representing a Task has the following format:

```
{
  "kind": "",
  "items": [ {
    "kind": "",
    "id": "",
    "title": "",
    "updated": "",
    "selflink": "",
    "items": [ {
      "kind": "",
      "id": "",
      "title": "",
      "updated": "",
      "selflink": "",
      "status": ""
    } ]
  } ]
}
```

# What can you get: Twitter archive

  **Nate Neutrality Willis**   
@n8willis

Your archive includes all the account data created up to the moment it was generated.

Date generated · May 17, 2024 at 12:32:09 PM GMT+1 · Estimated size · 187 MB

- Home
- Account
- Tweets
- Likes
- Direct Messages
- Safety
- Personalization
- Ads
- Lists
- Moments

Hi @n8willis,

Here is the information from your archive which may be most useful to you.

As this information is not all the data from your archive, please open [this folder](#) if you want to see all the data that we have included. An explanation for each piece of data can be found in the [README](#) file included in the same folder.



## Quick stats

Here's a glance at some numbers from your archive:

 Tweets <b>17.2K</b> <small>Including edited versions</small>	 Likes <b>296</b>
 Blocked accounts <b>3,896</b>	 Muted accounts <b>46</b>
 Lists <b>0</b>	 Moments <b>0</b>

## Twitter's Privacy Center

You should always know what data Twitter collects from you and how it's used.

[Learn more](#)

## Your privacy options

You have a wide range of privacy settings to tailor your experience on Twitter in a way that makes you the most comfortable.

[Learn more](#)

# What can you get: Twitter archive



**Nate Neutrality Willis** 🇺🇸  
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Your archive includes all the account data created up to the moment it was generated.

Date generated · May 17, 2024 at 12:32:09 PM GMT+1 · Estimated size · 187 MB

Home

Account

**Tweets**

Likes

Direct Messages

Safety

Personalization

Ads

Lists

Moments

## Tweets

[View on Twitter](#)



**Nate Neutrality Willis** 🇺🇸 @n8willis · Jul 15, 2023  
Thanks Dave!

It's fun research and the more eyes, the better it gets. Appreciate the boost!

<https://t.co/EIVisbUb8l>

↻ 0    ❤️ 1    ↗

ID 1680188471250415617

[View on Twitter](#)



**Nate Neutrality Willis** 🇺🇸 @n8willis · Jul 14, 2023  
Klicke für einen besseren Abstand! <https://t.co/H7QBtlQEC>

↻ 0    ❤️ 0    ↗

ID 1679909671073611784

[View on Twitter](#)



**Nate Neutrality Willis** 🇺🇸 @n8willis · Jul 13, 2023  
Interesting bit in this NPR piece on [#SAGAFTRA](#) actors [#strike](#) which I haven't heard elsewhere: studios' use of 3D scans + "AI" replacement disproportionately affects extras & background actors, i.e. where non-Tom-Cruise people start out: <https://t.co/GOZK3uxIEA> [#blamepeterjackson](#)

↻ 0    ❤️ 3    ↗

ID 1679407156125106176

[View on Twitter](#)



**Nate Neutrality Willis** 🇺🇸 @n8willis · Jul 6, 2023  
Quick snippet from a recent article about graph-based neural networks, succinctly illustrating why so much typography research is nigh-on impossible to do with the currently available software. The misconceptions run right to the core. <https://t.co/GYGN1qKseE>

Of course, in practice, this is not usually how text and images are encoded: these graph representations are redundant since all images and all text will have very regular structures. For instance, images have a banded structure in their adjacency matrix because all nodes (pixels) are connected in a grid. **The adjacency matrix for text is just a diagonal line, because each word only connects to the prior word, and to the next one.**

↻ 0    ❤️ 1    ↗

ID 1676976682039648256

🔍 Search Tweets

### Search filters

[Clear filters](#)

#### Show

All Tweets

Media only

Text only

#### Sort by date

Newest first

Oldest first

#### Dates

From

To



“Together, we’re a thing of beauty, like a swan.”

“On my own, I’ll be like half a swan. All I’ll do is make a big mess and die.”

1. ‘It’s a Party and I’ll Lie If I Want To’ (2010), *Better Off Ted*, season 2, episode 12. Garfield Grove Productions. American Broadcasting Company, 17 August 2010.

# What can you get: other highlights

**Facebook:** HTML index, posts, comments, media, etc seem complete

**GitHub:** Entire repos, message/issue archives, attachments....

**LinkedIn:** A bunch of CSV files....

**Amazon:** massive hierarchy of files, but with documentation

# What can you get: a bunch of others

**Instagram:** Local HTML browser, original media, comments, saves/likes, followers/follows

**Telegram:** Desktop-only, decent HTML browser

**Reddit:** raw CSV

**Element/Matrix:** per-room HTML page; bad CSS; missing data

# What can you get: GitLab

**Not good:** NONE.



# What can you get: GitLab

Not good: NONE.

<https://gitlab.com/gitlab-org/gitlab/-/issues/35790>

# What can you get: Firefox Accounts

**Not good:** NONE.

# What can you get: Wikipedia

**Not good:** NONE.

# What can you get: [Identi.ca](https://identi.ca) / [pump.io](https://pump.io)

**Not good:** NONE.

# What can you get: [Identi.ca](https://identi.ca) / [pump.io](https://pump.io)

**Not good:** NONE.

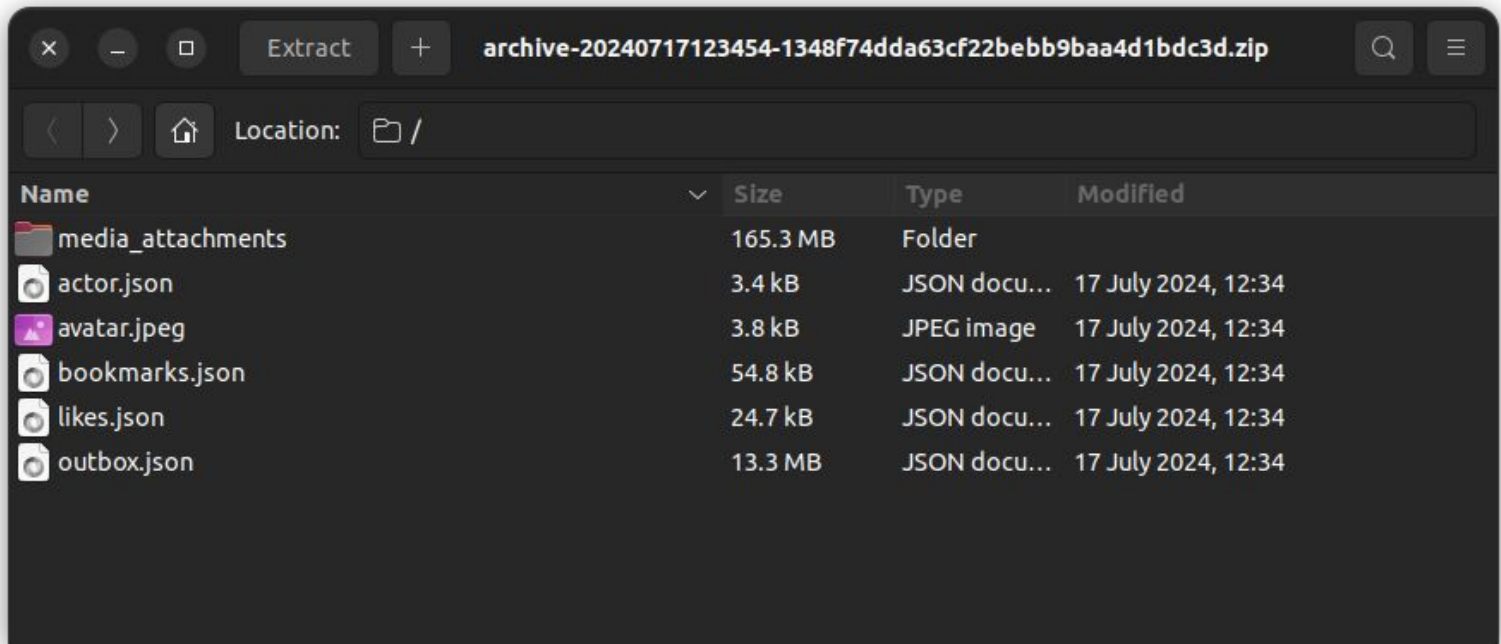
API scraping is possible: <http://repo.or.cz/pumpscripts.git>

# What can you get: Mastodon

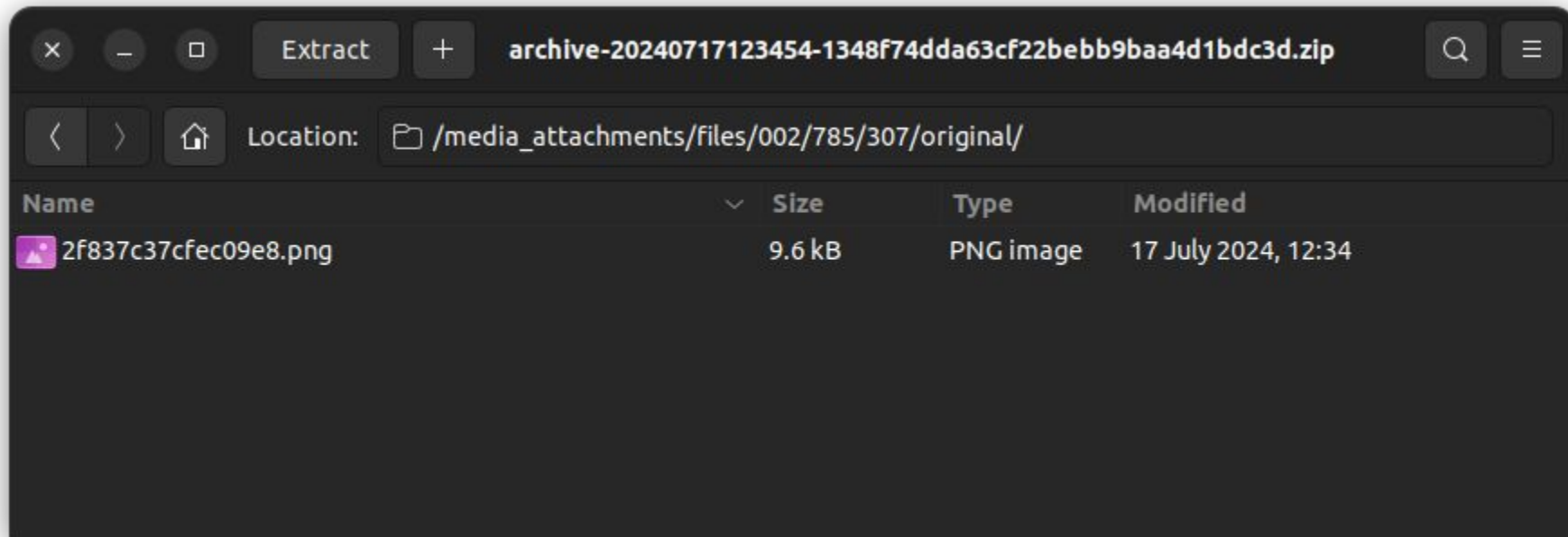
**Complicated:** raw ActivityPub objects in JSON.

... plus *some* other things separately

# What can you get: Mastodon



# What can you get: Mastodon





# What can you get: Mastodon

Export		
Media storage	162 MB	
Posts	6,295	
Follows	261	↓ CSV
Lists	0	↓ CSV
Followers	347	
You mute	83	↓ CSV
You block	66	↓ CSV
Domain blocks	0	↓ CSV
Bookmarks	1,029	↓ CSV

You can request an archive of your **posts and uploaded media**. The exported data will be in the ActivityPub format, readable by any compliant software. You can request an archive every 7 days.

# What can you get: Discourse

**Complicated:** raw CSV.

# What can you get: brief takeaways

**On average**, the big vendors are providing a far better user experience

**This matters**, because it is the nature of services to wind down, of servers to die, and of backups to fail

# The Doings.

What do you want to *do* with your exported data?

- **Library:** save it, have it to search (who was telling me...)
- **Import:** data that's directly usable (e.g., office docs, contacts)
- **Migrate:** take the data into a rival service
- **Repurpose:** do something new on your own

# The Doings: FOSS applications

In general, FOSS applications are not designed to work with large imports

- this is not a failing of the applications, it's an unaddressed use case

# The Doings: map / location data

```
{
  "geometry": {
    "coordinates": [
      -6.2353863,
      53.3352424
    ],
    "type": "Point"
  },
  "properties": {
    "date": "2024-03-24T16:15:55Z",
    "google_maps_url": "http://maps.google.com/?cid=11200041361079906245",
    "location": {
      "address": "Haddington Rd, Dublin, D04 E0C9, Ireland",
      "country_code": "IE",
      "name": "National Print Museum"
    }
  },
  "type": "Feature"
},
```

# The Doings: map / location data

Google's map data includes several distinct things

- places you have flagged/starred
- named lists of places you have made
- locations you have been
- map sets you have created to share
- ratings and reviews
- images

# The Doings: FOSS applications

In general, FOSS applications are not designed to work with large imports

- this is not a failing of the applications, it's an unaddressed use case ... or it has rough edges



Cancel

Import 783 events

Import

Starts 10/30/2019 02:30:00 PM  
Ends 10/30/2019 05:30:00 PM

Title Data analysis  
Starts 10/28/2019 01:00:00 PM  
Ends 10/28/2019 05:00:00 PM

Title Outline seminar  
Starts 10/31/2019 10:30:00 AM  
Ends 10/31/2019 01:30:00 PM

Title Storage analysis  
Starts 10/31/2019 03:30:00 PM  
Ends 10/31/2019 05:00:00 PM

Title RRD: Statistics  
Starts 11/15/2019 09:00:00 AM  
Ends 11/15/2019 01:00:00 PM

Title Letterpress induction  
Starts 11/19/2019 02:00:00 PM  
Ends 11/19/2019 04:00:00 PM

Title s  
Starts 11/18/2019 03:30:00 PM  
Ends 11/18/2019 06:30:00 PM

# The case study: social network

This is a really important one for people who are unhappy with service providers.

Let's do a deeper dive on Twitter, then extrapolate....

# The case study: social network

Before we dive in ...

*I'm staunchly anti-“deletionist”*

# The case study: social network

Deletionism:

It's tempting to imagine this as striking back against the sinister owners/operators

+ Add a Comment

Sort by: Best ▾

🔍 Search Comments



[deleted] · 2y ago ·

Comment deleted by user



Reply



Share



**jorissels** OP · 2y ago ·

oh wow! defenitly will check it out! Does it work wit lmessage aswell that you know of?



0



Reply



Award



Share



3 more replies

# The case study: social network

Before we dive in ...

*I'm staunchly anti-“deletionist”*

There are better alternatives.

# The case study: social network

Before we dive in ...

*I'm staunchly anti-“deletionist”*

There are still good reasons to export!  
Outages! EOL! Censors! Etc!

# The case study: social network

Twitter export data to consider:

1. The tweets
2. Direct messages
3. The other accounts (follows/followers)
4. Likes / bookmarks

*(Our options: Library, Import, Migrate, Repurpose)*





**Nate Neutrality Willis**   
@n8willis

Your archive includes all the account data created up to the moment it was generated.

Date generated · May 17, 2024 at 12:32:09 PM GMT+1 · Estimated size · 187 MB

Home

Account

**Tweets**

Likes

Direct Messages

Safety

Personalization

Ads

Lists

Moments

## Tweets

Tweets

**Replies**

Retweets

Community Tweets



**Nate Neutrality Willis**  @n8willis · Mar 21, 2018  
"You Can Call Me Baal"  
[#PaulSimonDeathMetalSongs](#)

 0  1 

ID 976539960470843392

[View on Twitter](#)



**Nate Neutrality Willis**  @n8willis · Mar 21, 2018  
"Urn at the Right Time"  
[#PaulSimonDeathMetalSongs](#)

 0  0 

ID 976538629463068672

[View on Twitter](#)



**Nate Neutrality Willis**  @n8willis · Mar 21, 2018  
"All Around the World, or the Scythe of Fingerprints"  
[#PaulSimonDeathMetalSongs](#)

 0  0 

ID 976537732888645632

[View on Twitter](#)



**Nate Neutrality Willis**  @n8willis · Mar 21, 2018  
"50 Ways to Cleave Your Mother"  
[#PaulSimonDeathMetalSongs](#)

 0  1 

ID 976536958464913408

[View on Twitter](#)



**Nate Neutrality Willis**  @n8willis · Mar 21, 2018  
"Me and Julio Drowned by the Skullyard"  
[#PaulSimonDeathMetalSongs](#)  
[#WorldPoetryDay](#)

 0  0 

ID 976536264475336707

Q paulsimondeathmetal

**Search filters**

[Clear filters](#)

### Show

All Tweets



Media only



Text only



### Sort by date

Newest first



Oldest first



### Dates

From

 2024-07-17

To

 2024-07-17

# The case study: social network

Twitter's default archive HTML *might* suffice for the Library option

But its links all go out to the live site....

Although single-site, in-browser JS search is a poor experience.

- What about all my hilarious Facebook comments

# The case study: social network

A lot of utilities are there to be explored:

- <https://dogsheep.github.io/>
- <https://github.com/FGRibreau/import-tweets-to-mastodon>
- <https://github.com/alkihis/twitter-archive-reader>
- <https://helgenberger.net/alice/tumelune>
- <https://github.com/dangoldin/twitter-archive-analysis>
- <https://github.com/Webklex/tbm>
- <https://github.com/selfawaresoup/twitter-tools>
- <https://github.com/mshea/Parse-Twitter-Archive>

# The case study: social network

More usable: reformat the tweet archive, fix the links

`https://github.com/timhutton/twitter-archive-parser`

- creates flat HTML pages; fixes links to relative
- fetches original media
- converts follow/follower lists (by ID) to full account links
- is *non-destructive* on the downloaded archive, yay!

# Your twitter archive

RT @Juan\_Kafka: We have scholarships for every class @TypeElectives ✨✨✨✨ The priority deadline is this Sunday, January 8. More details on o...

🐦 [Thu Jan 05 21:43:13 +0000 2023](#)

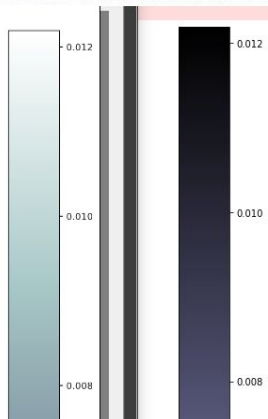
RT @UniRdg\_OpenRes: Overcome name confusion by claiming all YOUR research outputs with the unique and free ORCID iD! Take a look at our Lib...

🐦 [Mon Jan 16 11:01:33 +0000 2023](#)

We!!!!!!!!!!!!!!!!!!!!!! that's fun.

Matplotlib and SVG don't agree with each other about how color gradients work, so when you export an SVG\_from\_Matplotlib, it says the opposite of what you mean for it to.

#ThisIsWhyYouCantHaveNiceData  
#DontBlameMeWhenYourSciencIsBackwards



# The case study: social network

<https://github.com/timhutton/twitter-archive-parser>

- auto-splits tweets into whole-month-at-a-time files
- much plainer look
- No Twitter-owned JS
- does *not* solve the half-swan problem
- but also creates Markdown

# The case study: social network

## Migrate to Mastodon? A dead end

- bulk import is not supported
- one third-party utility:  
`github.com/FGRibreau/import-tweets-to-mastodon`
- server admins generally oppose this:  
`github.com/mastodon/mastodon/issues/12423`
- manual database inserts:  
`github.com/mastodon/mastodon/issues/10745`

# The case study: social network

## Import

### Import type \*

You can import data that you have exported from another server, such as a list of the people you are following or blocking.

Following list

### Data \*

CSV file exported from another Mastodon server

Browse... No file selected.

Merge

Keep existing records and add new ones

Overwrite

Replace current records with the new ones

Upload



# The case study: social network

Migrate to a personal Mastodon: Overhead

This matters, because if FOSS is only available to people who are already Unix server sysadmins, or who have the spare time to become one, it's got no growth in its future.

But an awkward fit for historical data anyway....

# The case study: social network

Repurpose: host tweets on your own site

<https://indieweb.org/POSSE>

- Post (on your) Own Site, Syndicate Elsewhere

# The case study: social network

Repurpose: host tweets on your own site

<https://indieweb.org/POSSE>

- Post (on your) Own Site, Syndicate Elsewhere

...but in reverse. FUGITIVE

\*acronym still in development phase

# The case study: social network

As autonomous as it can get: your posts, your site

- Pelican conversion of the converted Markdown files
- Remap: [twitter.com/n8willis/status/1234567890](https://twitter.com/n8willis/status/1234567890)  
--> [twitter.freesoftware.org/1234567890](https://twitter.freesoftware.org/1234567890)

# The case study: social network



I'm archiving all of my tweets on my own domain at  
[twitter.freESOFTWARE.org](https://twitter.freESOFTWARE.org)

#FUGITIVE #Snowmanning #IceCastling

... all gonna be huge trends

# The case study: social network

> @nationalrailenq westbound Elizabeth Line to LHRT5 is stuck waiting at Ealing Brwy\. Can you tell us what the status/outlook is please? 10\+ min and counting

 [Fri Apr 05 05:31:43 +0000 2024](https://twitter.com/n8willis/status/1776120510725685265)

----

> RT @OpenMFProject: If you're going to be at @texaslinuxfest in \#Austin this weekend \- don't miss the @OpenMFProject \#Linux Distribution \#Wo...

 [Wed Apr 10 01:47:32 +0000 2024](https://twitter.com/n8willis/status/1777876032206582196)

----

> RT @texaslinuxfest: A huge thank you goes out to @awscloud for being a Gold Sponsor of \#TXLF 2024\!  
>  
> Join us at Texas Linux Fest THIS WEEK o...

 [Thu Apr 11 01:36:15 +0000 2024](https://twitter.com/n8willis/status/1778235583329890718)

# The case study: social network

Title: Tweeted at Thu Apr 11 01:36:15 +0000 2024

Date: Thu Apr 11 01:36:15 +0000 2024

Modified: Thu Apr 11 01:36:15 +0000 2024

Category: Twitter

Tags: Retweet

Slug: 1778235583329890718

Authors: Nathan Willis

Summary: RT @texaslinuxfest: A huge thank you goes out to @awscloud for being a Gold Sponsor of \#TXLF 2024\! Join us at Texas Linux Fest THIS WEEK o...

RT @texaslinuxfest: A huge thank you goes out to @awscloud for being a Gold Sponsor of \#TXLF 2024\! Join us at Texas Linux Fest THIS WEEK o...

Tagged as : [Retweet](#)

---

## Tweeted at Sat Sep 02 08:48:12 +0000 2023

[Sat 02 September 2023](#)

By [Nathan Willis](#)

Replying to [@qole](#) I assume that 10 mo out of the year most wrecks in Canada end with both vehicles being flung into snowdrifts. Softer impact. Of course that means more St Bernards per capita are required for freeing the passengers, but the stats don't appear to have measured that.

[Read more](#) →

Tagged as : [Reply](#)

---

## Tweeted at Thu Aug 24 11:07:27 +0000 2023

[Thu 24 August 2023](#)

By [Nathan Willis](#)

RT [@KyivPost](#): Happy Independence Day 🇺🇦

[Read more](#) →

Tagged as : [Retweet](#)

---

## Tweeted at Tue Aug 22 09:43:29 +0000 2023

[Tue 22 August 2023](#)

By [Nathan Willis](#)

Thanks for nuthin', "Translated by". Now I'll never know how to fit in. #failuremodes

[Read more](#) →



# The case study: social network

Title: Tweeted at Thu Apr 11 01:36:15 +0000 2024

Date: Thu Apr 11 01:36:15 +0000 2024

Modified: Thu Apr 11 01:36:15 +0000 2024

Category: Twitter

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RT @texaslinuxfest: A huge thank you goes out to @awscloud for being a Gold Sponsor of \#TXLF 2024\! Join us at Texas Linux Fest THIS WEEK o...

# The case study: social network

Repurposing has its limits

- Thousands (potentially) of files
- Retweets / boosts
- Replies
- Permission?

But this is still better than deletionism....

# The case study: social network

Twitter export data to consider:

1. The tweets ✓
2. Direct messages
3. The other accounts (follows/followers)
4. Likes / bookmarks

*(Our options: Library, Import, Migrate, Repurpose)*

# The case study: half-pivot to link management

Twitter export data to consider:

1. The tweets ✓
2. Direct messages
3. The other accounts (follows/followers)
4. **Likes / bookmarks**

*(Our options: Library, Import, Migrate, Repurpose)*

# The half-pivot: link management

A lot of online services have some type of “saved”, “favorited”, “starred”, “followed”, “watched”, “subscribed”, “bookmarked”, or “liked” links....

What would we do with those?

*(Our options: Library, Import, Migrate, Repurpose)*

# The half-pivot: link management

A lot of online services have some type of “saved”, “favorited”, “starred”, “followed”, “watched”, “subscribed”, “bookmarked”, or “liked” links....

What would we do with those?

*(Our options: Library, Import, Migrate, Repurpose)*

# The half-pivot: link management

Importing link collections is non-trivial

- Formats vary: CSV, Netscape-Bookmark HTML, XBEL, OPML, JSON, etc.
- Formats often lack metadata
- Exports often provide only internal URIs, requiring API use?
- Bookmark managers rarely optimize management

# The half-pivot: link management

Applications I test drove:

- Zotero
- Buku
- LinkAce
- Linkding
- Servas



List (406)

Create

Add Filter ▾

10 items ▾

## Entry



Reddit saved post g286xs

[https://www.reddit.com/r/selfhosted/comments/g286xs/moving\\_away\\_from\\_google\\_voice/](https://www.reddit.com/r/selfhosted/comments/g286xs/moving_away_from_google_voice/)

netloc:www.reddit.com

reddit



Reddit saved post 11s8dms

[https://www.reddit.com/r/selfhosted/comments/11s8dms/guys\\_please\\_recommend\\_some\\_interesting\\_docker/](https://www.reddit.com/r/selfhosted/comments/11s8dms/guys_please_recommend_some_interesting_docker/)

netloc:www.reddit.com



Reddit saved post f2d8at

[https://www.reddit.com/r/cyberpunk2020/comments/f2d8at/looking\\_for\\_a\\_copy\\_of\\_cyberpunk\\_update\\_1\\_the/](https://www.reddit.com/r/cyberpunk2020/comments/f2d8at/looking_for_a_copy_of_cyberpunk_update_1_the/)

netloc:www.reddit.com



Reddit saved post yjvpp6

[https://www.reddit.com/r/selfhosted/comments/yjvpp6/deleted\\_by\\_user/](https://www.reddit.com/r/selfhosted/comments/yjvpp6/deleted_by_user/)

netloc:www.reddit.com



Reddit saved post 10mh51o

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# The case study: half-pivot to link management

Twitter export data to consider:

1. The tweets ✓
2. **Direct messages**
3. **The other accounts (follows/followers)**
4. Likes / bookmarks ?

*(Our options: Library, Import, Migrate, Repurpose)*

# The case study: half-pivot to accounts/contacts

In theory, follows/followers are contacts: a clear case for the Import option.

In practice, most data exports remove private information and many try to be unhelpful. Manual cleanup is required.

Service-specific info is not standard VCARD fare.

# The case study: half-pivot to private messages

There is no universal “private message” format to combine exported messages into....

Fun story: I briefly attempted to force messages into a format for use with notmuch. Maildir does not want to be used for this.

# Gap analysis

What are the takeaways?

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1. Free-software services do a poor job providing useful exports
2. FOSS applications are not designed to work with import data sets
3. We have only piecemeal tools for migrating and repurposing data exports

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# What do we do to improve this for users?

1. Talk about it: try repurposing your Twitter/etc account and write it up. Tag me if you like!
2. Fix a small bug in one of the piecemeal tools
3. Help me figure out where to “centralize” some information or discussions.... A wiki? An “awesome-” list?
4. Request some data exports and see what happens

# Thank you for listening!

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