

JMAP Archives ("JMAR")

IETF 117

Goals and use cases

- Specify a container format for handling/persisting JMAP data outside of a JMAP server
- Inspired by work on a jmap-cli
- Use cases
 - Data portability and migration (import, export)
 - Backup
 - Data set exchange (e.g., research, digital forensics)
 - Development
 - Client-side storage/caching
 - Simple server persistence
 - ...?

Related work

- Mail storage
 - Maildir
 - Mbox (RFC 4155)
- Groupware containers
 - MS Exchange/Outlook PST/OST files
 - (Domino/Notes NSF databases)
 - Google Takeout

File format

- Use a (compressed) archive format
- Open issue(s)
 - Re-use Maildir/Mbox for mail?
 - Allow for archive modularization (e.g., separate blobs?)

```
1 | index.json
2 | \mail\
3 |     \INBOX\
4 |         m1.eml
5 |         m2.eml
6 |         m3.eml
7 |         ...
8 |     \SentMail\
9 |         m1.eml
10 |        m2.eml
11 |        ...
12 | \contacts\
13 |     contact1.json
14 |     contact2.json
15 |     ...
16 | \calendars\
17 |     \calendar2\
18 |         event1.json
19 |         event2.json
20 | \sieve\
21 | \blob\
22 |     ...?
```