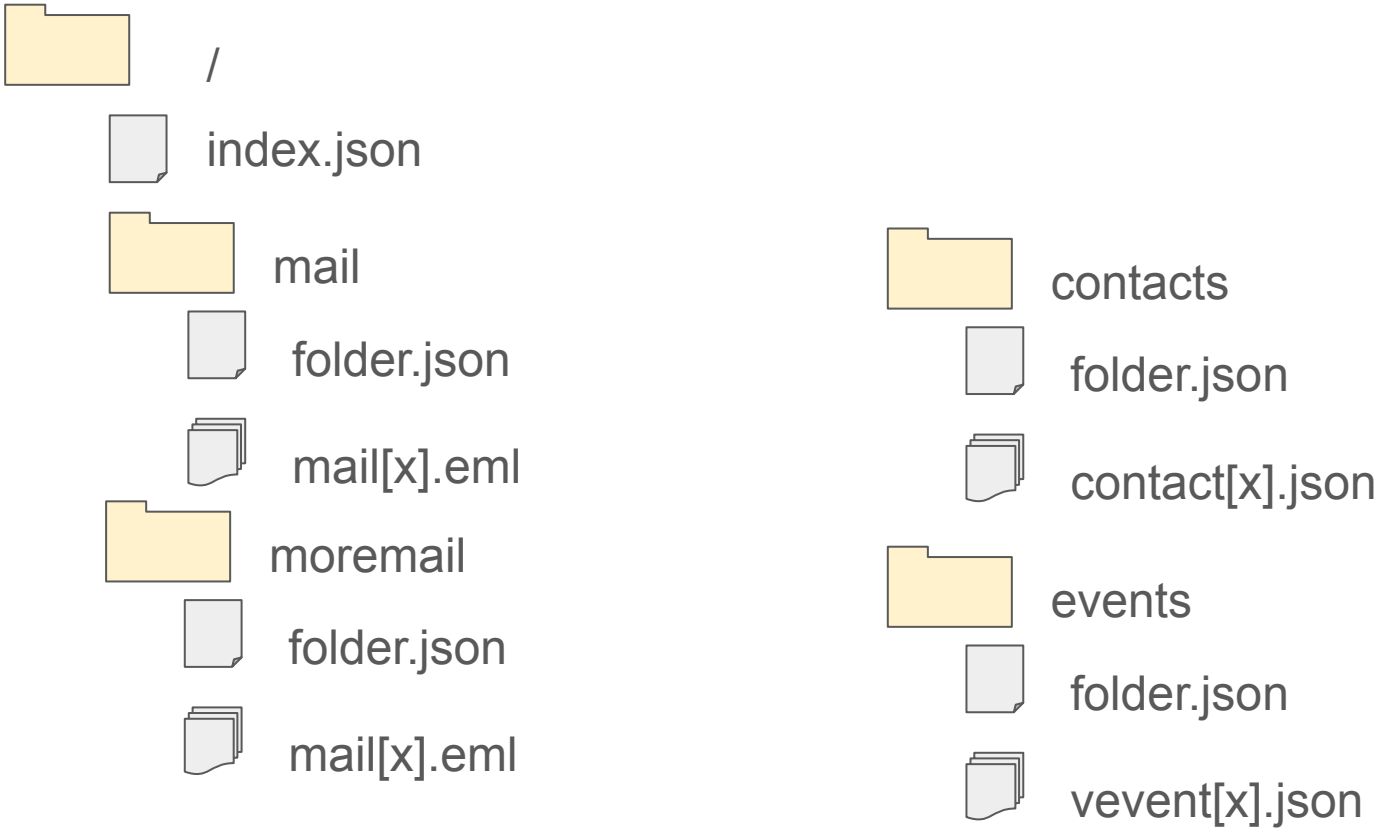
# draft-happel-mailmaint-pdparchive-01

IETF 124, Montreal

# Personal Data Portability Archive

- Open archive format for importing/exporting a user's email/groupware/PIM data (and potential other personal data)
- Approach Summary: JSON manifest documents referencing JSON/EML files in a directory structure controlled by exporter → finally compress
- Goals
  - Backup → restore
  - Export → import to new system
  - Export/backup → readable by forensic tools, search tools, etc.
  - Server-to-server transfer for account move
  - One-way repeated synch

# One possible export folder structure…



# index.json

Containing global information about the archive

The index.json file consists of three main sections (see draft for details):

- archive: general information about the archive
- dataset: characteristics of the dataset itself
- datasource: meta-information about the dataset

Status: Preliminary suggestion of (meta-)data; input welcome

# folder.json

- Containing folder-level information and message metadata, suitable for representing an IMAP or JMAP folder
- Email messages in separate .eml files, referenced from folder.json

(See draft for details)

Status: Initial contents mainly inspired by email metadata, plus a couple of examples

# Other Item data formats

- JSContact
  - updated property is optional in JSContact
- JSCalendar
- Notes?
- Files? → draft-ietf-jmap-filenode

# Orthogonal issues

## Container format

Formats likely differ in various dimensions:

- Ease of adding incremental data
- Ease of updating existing data
- ….

Candidates:

- tar/gz
- zip
- 7z
- zpaq
- ...?

https://github.com/hhappel/draft-happel-mailmaint-pdparchive/issues/13

## Encryption

An increasing number of services offers forms of data encryption. Implications for this draft may be considered.

"Encryption" might refer to various aspects:

- Existing encryption of individual files in the export
- Encrypting the complete export (incl. metadata?)
- ...?

https://github.com/hhappel/draft-happel-mailmaint-pdparchive/issues/14