

Collection and dissemination of media data

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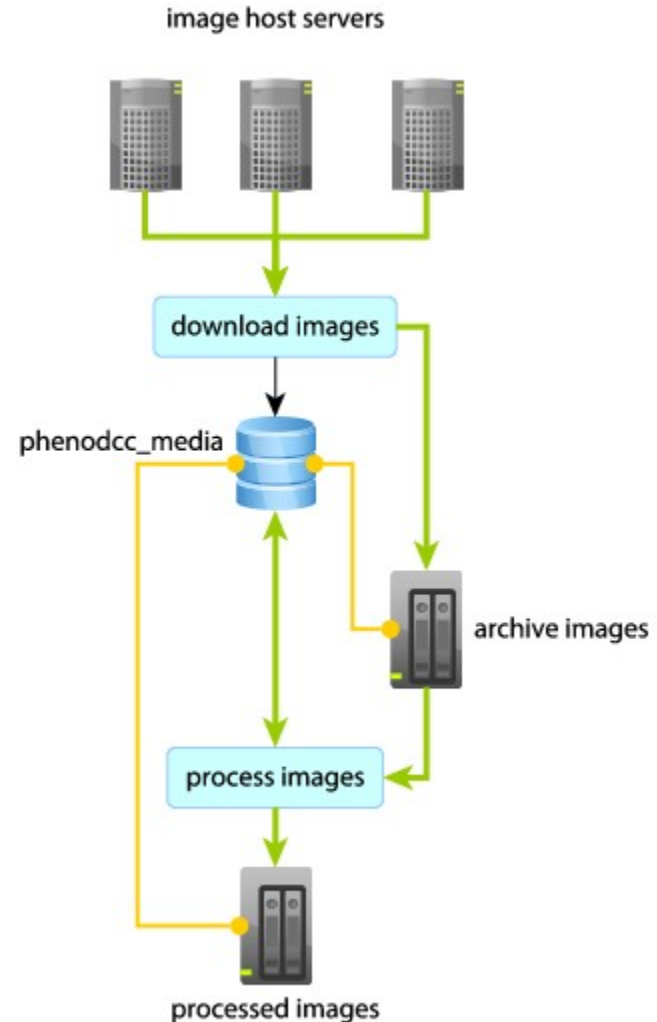


Requirements

- Download and storage of media data
- Processing of media data
- Dissemination of media data

Features

- **Original media data must be archived**
 - DCC and CDA must be fault tolerant
 - Centres might delete original files
- **Reduce storage requirement**
 - Prevent replication of identical data
 - Use efficient compression techniques
 - Choose efficient file formats

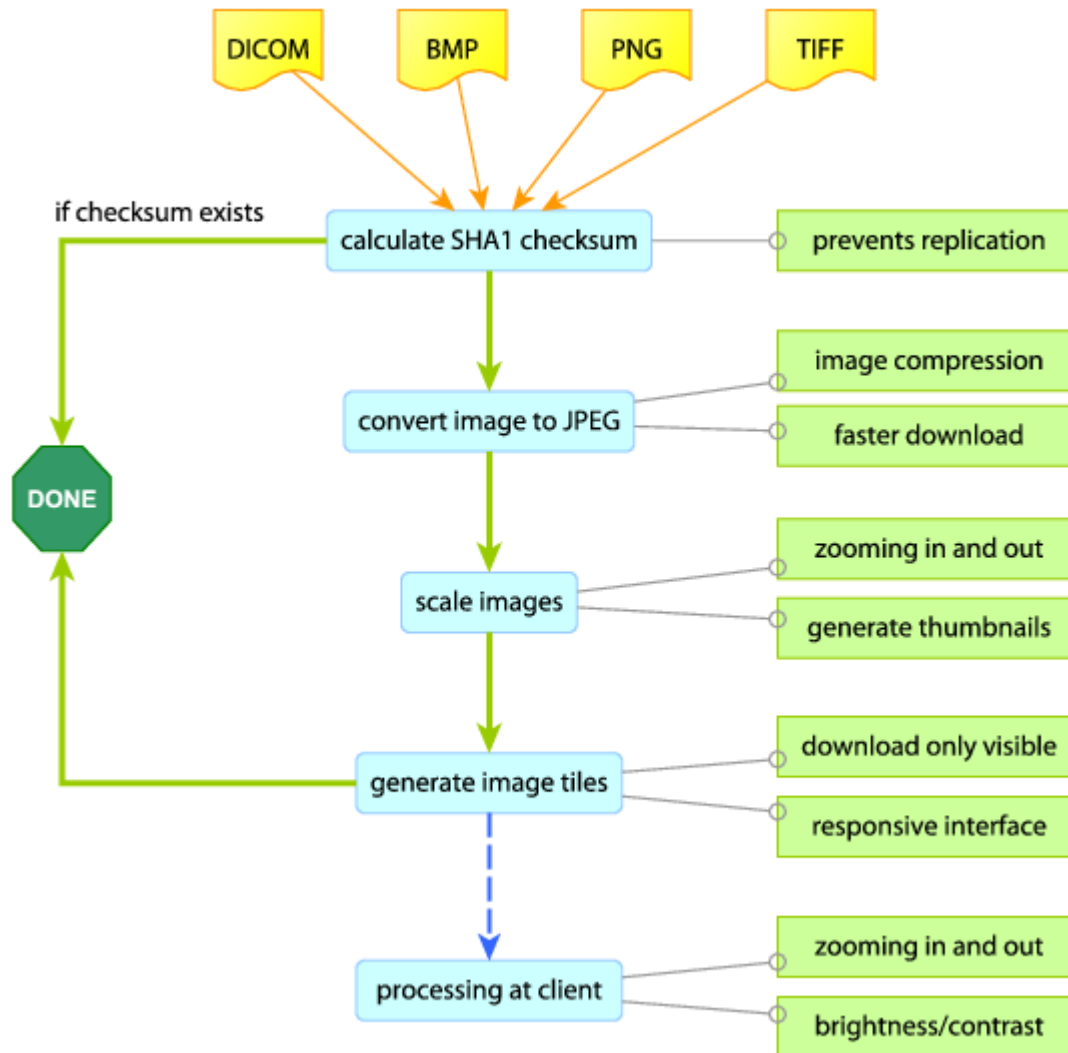


Features

- **Future proofing**
 - Fully automated (part of crawler run)
 - Ability to support new media types
 - Low maintenance

Features

- **Optimise user experience**
 - Fast download (less processing per request)
 - Efficient download (only download visible)
 - Responsive and interactive



Live deployment

- **Image storage**

- Sufficiently large drive (production ready)
- Download and processing takes time (prevent repetition)

- **Image server**

- Static file server (Apache or Nginx)
- Separate from current servers (if possible)
- Accessible under mousephenotype.org domain