diva.js

A web-based document viewer for high-resolution images

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Outline

What it is

How it works

Image manipulation features
What it is
Manuscript: Salzinnes Antiphonal
Preserve document structure (scrolling)
Fast and easy to use
Free tool
Distribution?
TIFF, ~30 megapixels (~180 MB) per photo
180 MB × 479 images ≈ 86 GB
Enter Diva.js
From manuscript...
To browser-based document viewer.
Zooming in and out
Grid view
Image manipulation
Extremely fast
Selective downloading
How it works
Tiled images (JPEG2000 or pyramidal TIFF)
Multiple resolutions in one file
Image server: IIPLImage
Setup frontend scripts
Demo

New feature: plugin system
Download plugin
Image manipulation plugin
Canvas: HTML5 feature
Canvas: HTML5 feature
Working with large images: slow.
More pixels → more operations
Solution: thumbnail preview.
MIT license
Download from ddmal.music.mcgill.ca/diva
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