

International Image Interoperability Framework



A **Community**
that develops **Shared APIs**,
implements them in **Software**,
and exposes interoperable **Content**



Shared APIs

IIIF Image API 2.1

- Facilitates systematic re-use of image resources in digital image repositories
- Specifications for web-based image delivery via HTTP or HTTPS requests
- URI specifies region, size, rotation, quality, and format of requested image

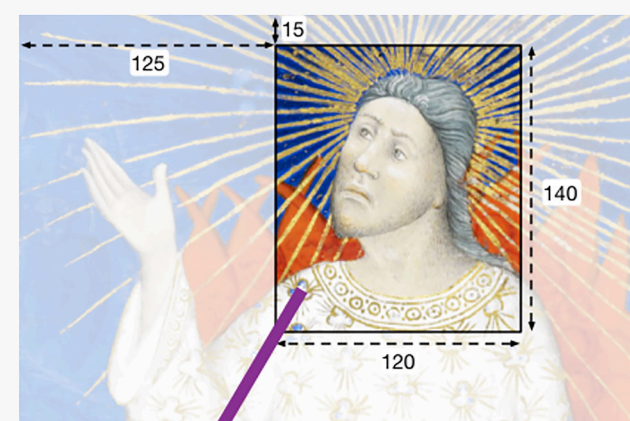


Image Request URI Syntax:

`http(s)://{server}/{prefix}/{id}/{region}/{size}/{rotation}/{quality}.{fmt}`

Image Information URI Syntax:

`http(s)://{server}/{prefix}/{identifier}/info.json`



IIIF Presentation API 2.1

- Provides descriptive information, annotation layer, structure and layout for complex objects
- Utilizes JSON-LD and Shared Canvas model

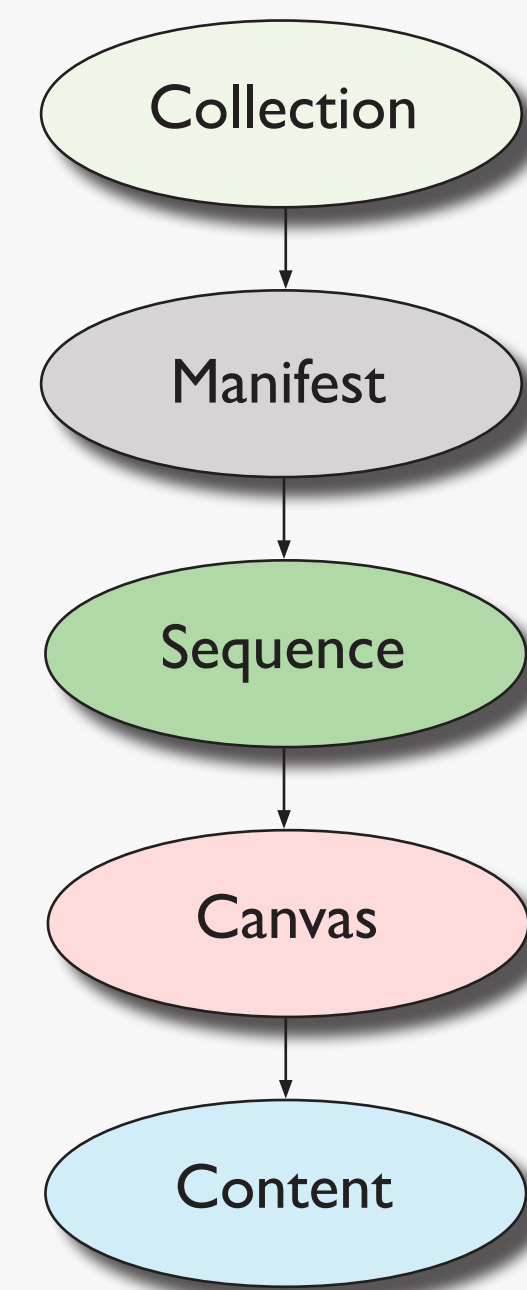
IIIF Search API 1.0

- Interoperability mechanism for searching annotation content within a single IIIF resource, such as a Manifest, Range or Collection.

IIIF Authentication API 0.9.3

- Beta specification, intended to provide user authentication for interacting with access-controlled images
- Describes a set of workflows for guiding the user through an existing access control system
- Provides a pattern for interacting with arbitrary third party protocols

Learn more: <http://iiif.io/technical-details/>



Community

- 68+ cultural heritage institutions, software companies, and projects
- 520+ IIIF-Discuss list subscribers
- 37 IIIF Consortium members, and growing - provides steering, sustainability, and oversight

Get Involved!

- Join the IIIF-Discuss email list (iiif-discuss@googlegroups.com)
- Encourage your institution to join the IIIF Consortium
- Check out IIIF Github resources at <http://github.com/iiif>
- Come to a IIIF Event
- Connect with us on Community Calls or interest group calls for: Manuscripts, Newspapers, Museums, Audio/Visual resources, Software Development

Learn more: <http://iiif.io/community/>

Content & Functionality

Image-based resources

Digital access to books, artwork, photographs, newspapers, manuscripts, maps, scrolls, sheet music, archival materials, can be optimized through IIIF

User Experience

IIIF Allows users to:

- Deep zoom
- Image manipulation
- Easily crop and rotate
- Easily redesign entire sites
- Reuse and re-purpose images
- Cite and share
- Re-unite images from separate repositories
- Embed
- Annotate
- Search within annotations

Software



The Hydra-in-a-Box repository product

- IIIF-compatible (Image and Presentation APIs)
- Image content displayed via the Universal Viewer which allows for zooming, panning, and image rotation

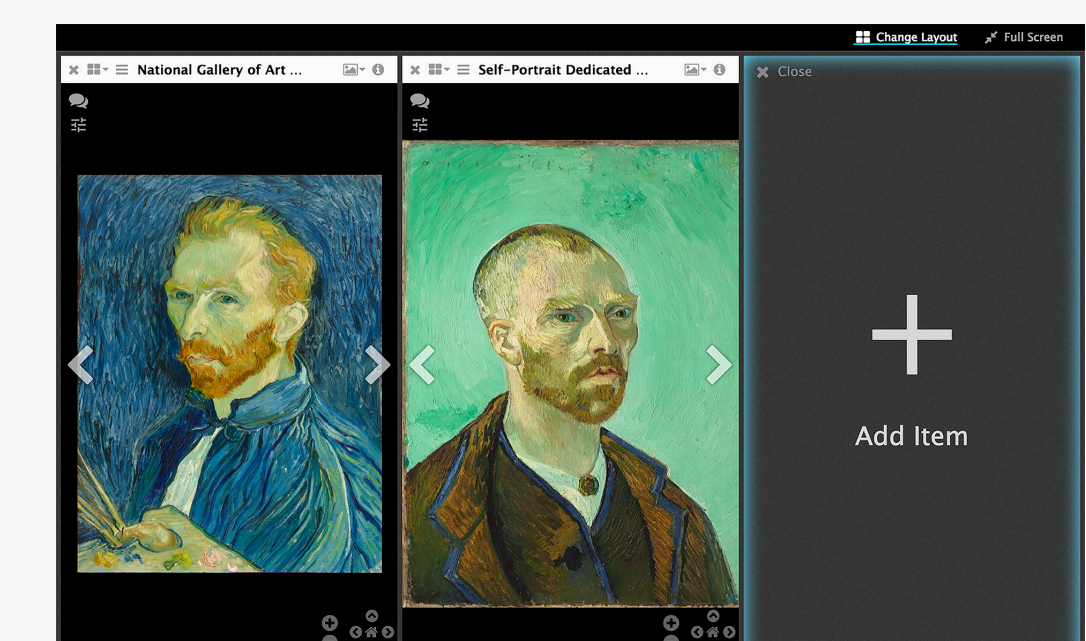
Plum: Hydra Head to support digitization workflows

- Princeton University Library
- Includes functionality for generating IIIF manifests for Collections and Works
- Ability to build PDFs of Works based on their IIIF manifests

```
{
  @context: "http://iiif.io/api/presentation/2/context.json",
  @id: "https://hydra-dev.princeton.edu/concern/scanned_resources/79407x291/manifest",
  @type: "sc:Manifest",
  label: "page one",
  viewingHint: "paged",
  viewingDirection: "right-to-left",
  - service: {
    @context: "http://iiif.io/api/auth/0/context.json",
    @id: "https://hydra-dev.princeton.edu/users/auth/cas",
    label: "Login to Plum using CAS",
    profile: "http://iiif.io/api/auth/0/login",
    - service: {
      - hsh: [
```

IIIF-compatible Image Viewers and More...

- Mirador (2.1 just released), Universal Viewer, Internet Archive (IA) Book Reader...
- And so much more - see iiif.io/apps-demos and github.com/IIIF/awesome-iiif



Hydra-in-a-Box repository product: <http://hydrainabox.projecthydra.org/>, Universal Viewer: <http://www.uvviewsoft.com/uvviewer/>
Plum: <https://github.com/pulibrary/plum>, Mirador: <http://projectmirador.org/>, More: <http://iiif.io/apps-demos/> and github.com/IIIF/awesome-iiif

Learn more at iiif.io