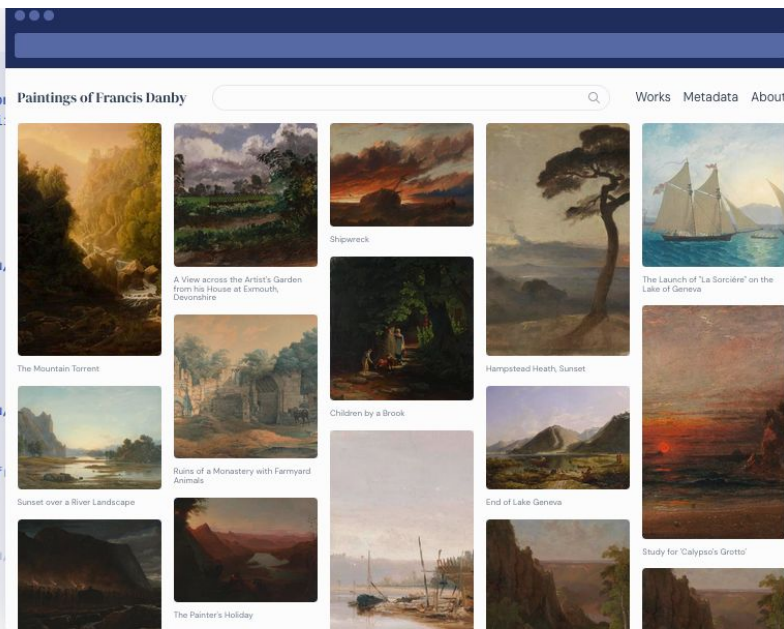




```
{
  "@context": "http://iiif.io/api/presentation/3/context",
  "id": "https://collections.britishart.yale.edu/iiif/collection/12345",
  "type": "Collection",
  "label": {
    "en": ["Paintings of Francis Danby"]
  },
  "items": [
    {
      "id": "https://manifests.collections.yale.edu/iiif/manifest/12345/1",
      "type": "Manifest",
      "label": {
        "en": ["The Mountain Torrent"]
      }
    },
    {
      "id": "https://manifests.collections.yale.edu/iiif/manifest/12345/2",
      "type": "Manifest",
      "label": {
        "en": ["A View across the Artist's Garden from his House at Emsworth, Devonshire"]
      }
    },
    {
      "id": "https://manifests.collections.yale.edu/iiif/manifest/12345/3",
      "type": "Manifest",
      "label": {
        "en": ["The Painter's Holiday"]
      }
    }
  ]
}
```

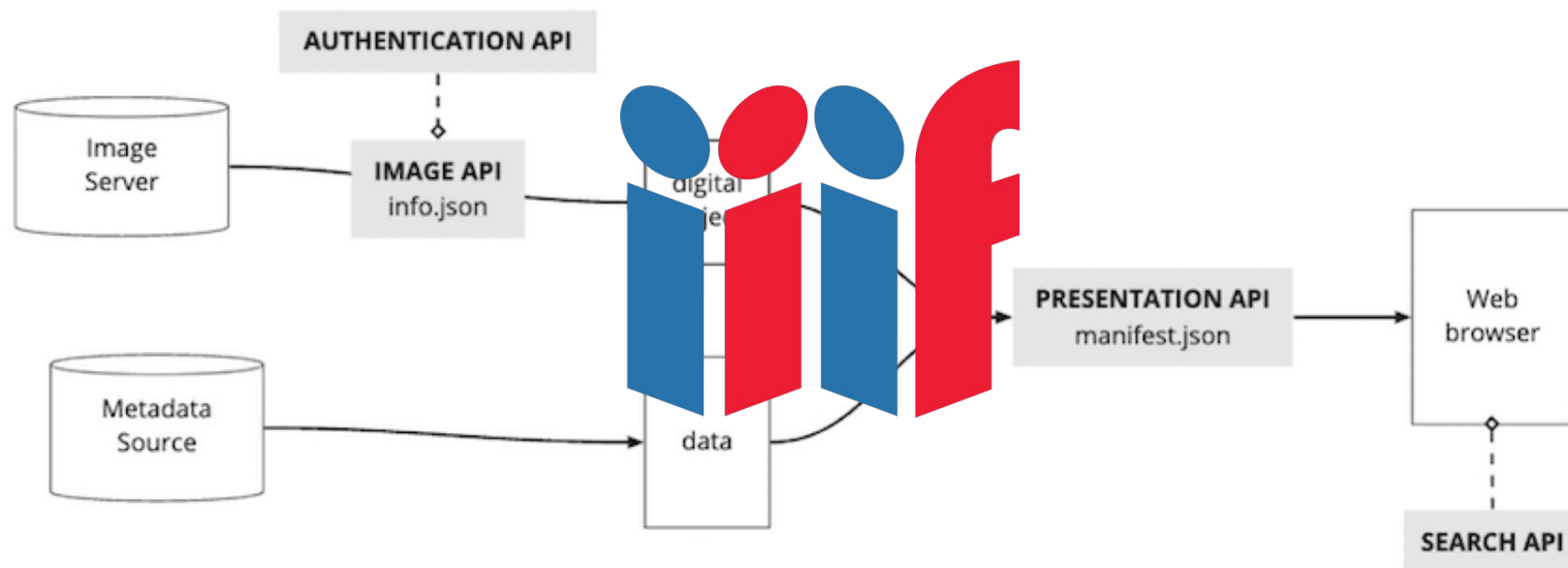


Canopy IIIF - Create a static site with a IIIF Collection

Adam J. Arling - Northwestern University Libraries

Delivery

Viewing



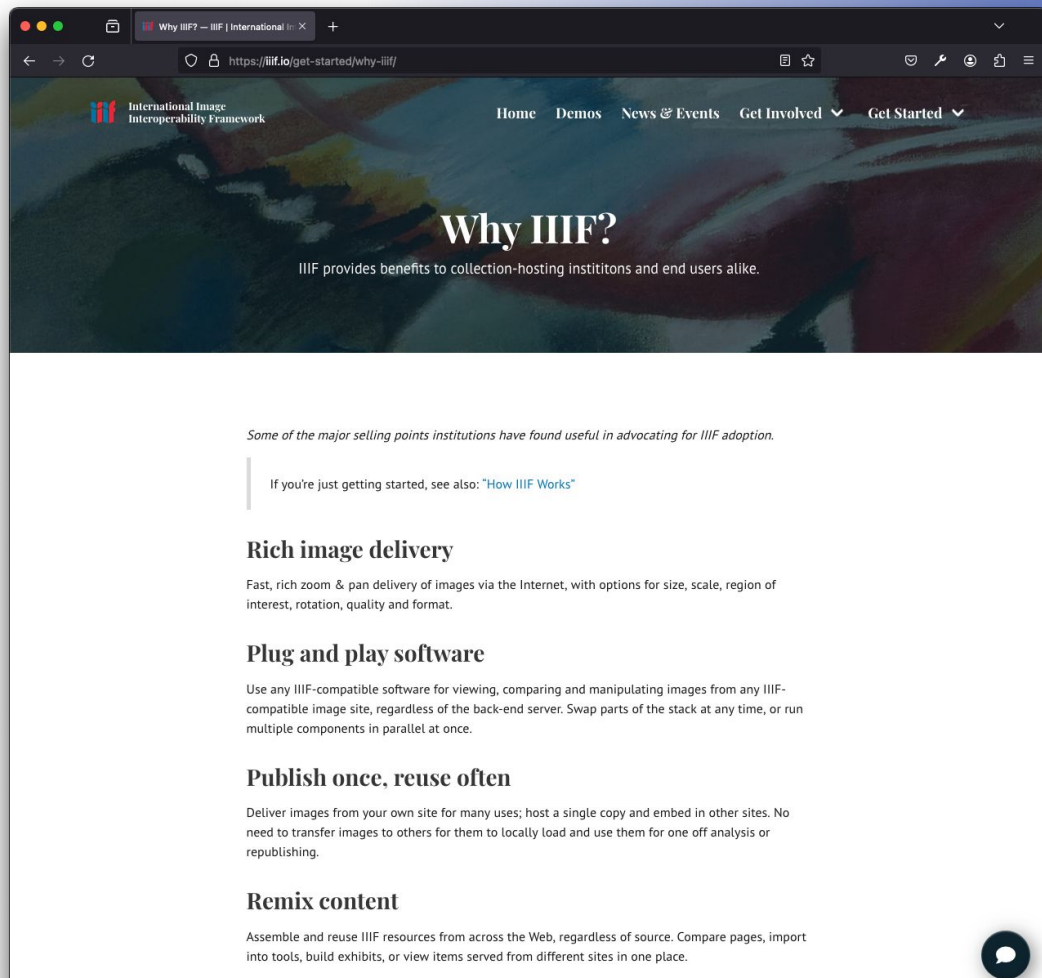
IIIF Promotes Reuse

Collections, Manifests, and Canvases

- Resource relationships
- Presentation tools
- Remixing and reusing

Resource Interoperability

- Aggregation
- Annotation
- Story telling
- Exhibit Building



Canopy IIIF

Digital Exhibits

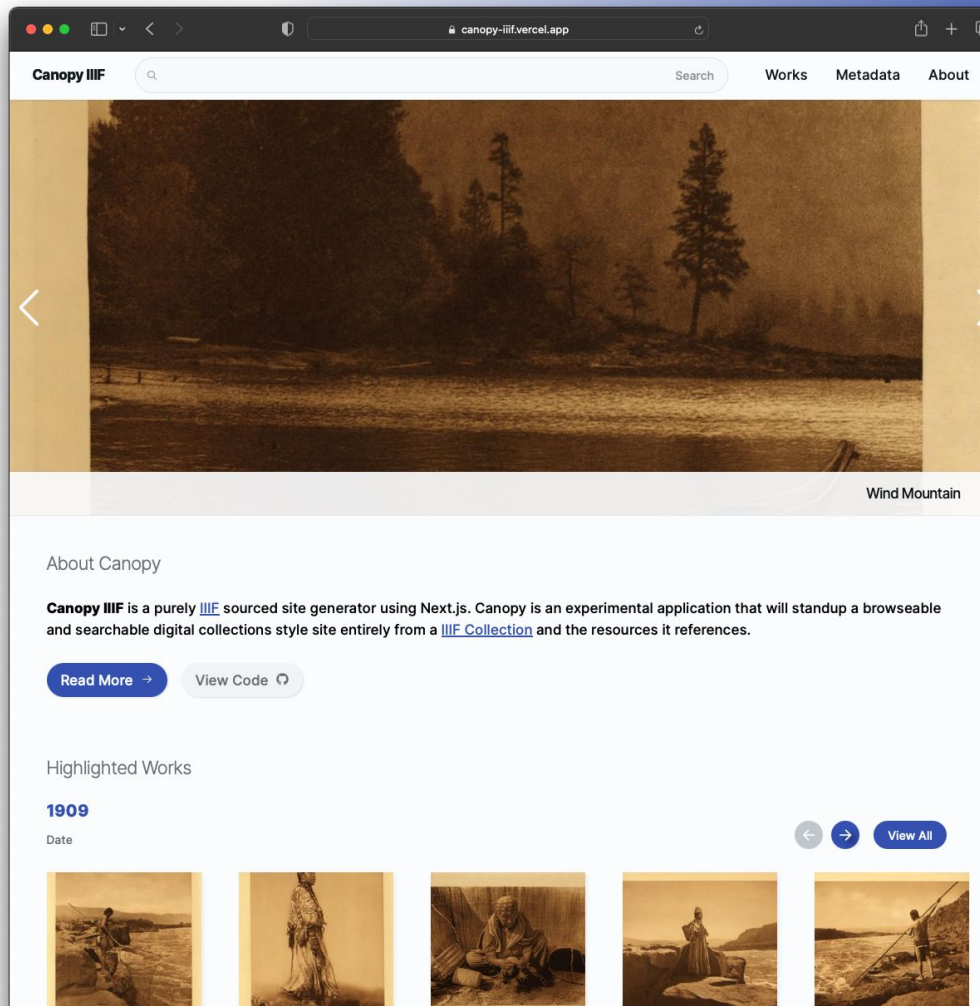
Easily create digital exhibits from IIIF Collections and Manifests

Digital Collections

Develop a decoupled user interface for small-scale digital collections

Digital Scholarship

Curate and aggregate content from multiple providers and add context to IIIF resources



Collection -> Canopy

IIIF + Next.js = Static Site

Static pages from Manifests

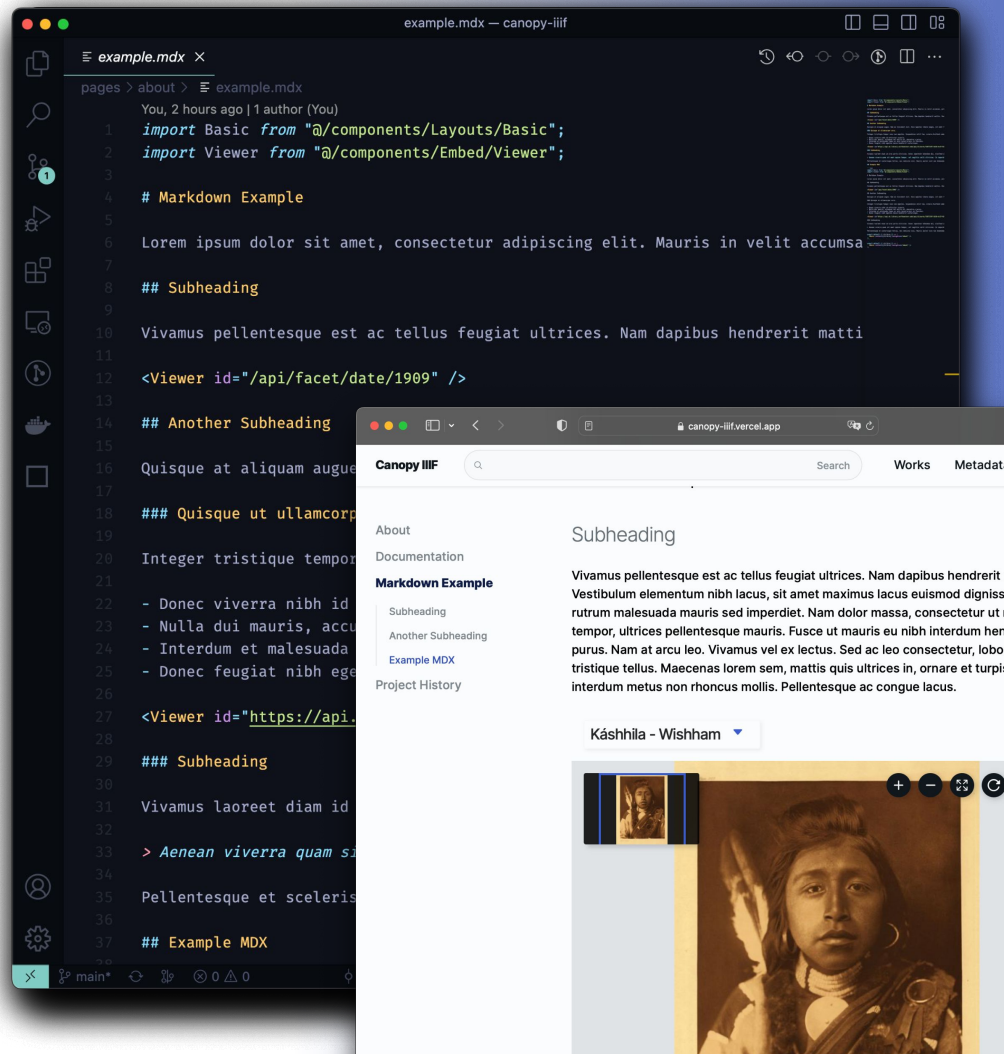
Search Index from Manifests

Automatic Facets from **metadata**

Markdown with MDX

navPlace for Maps

Locale support



Understanding IIIF Collections

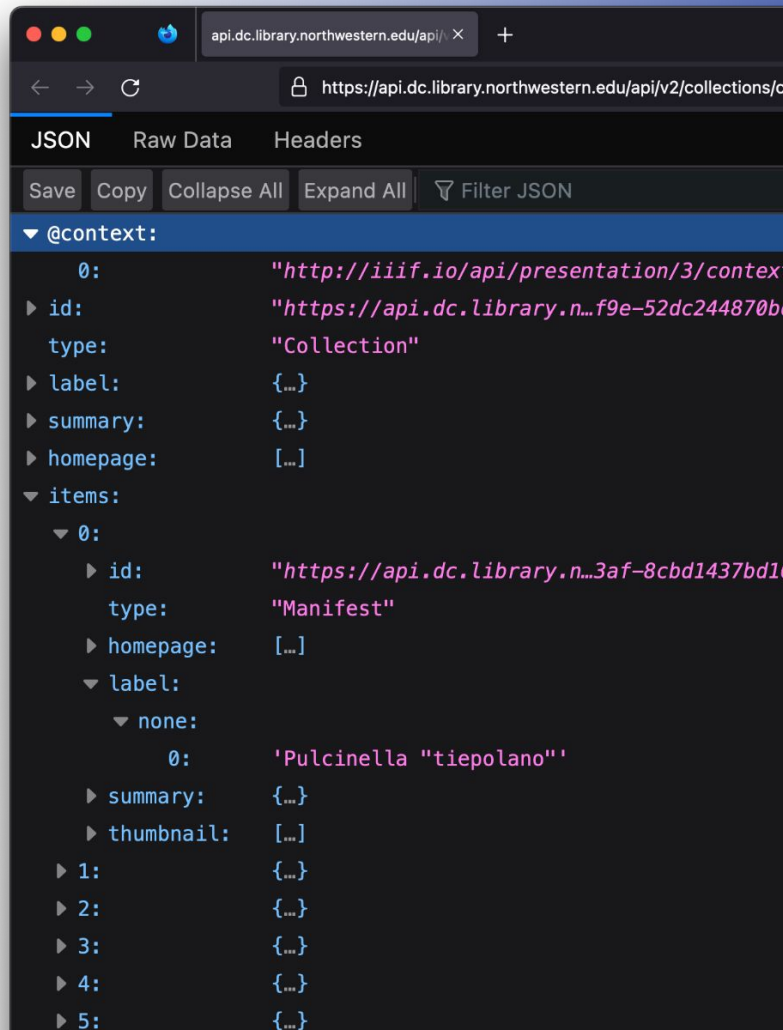
IIIF Presentation API

Anatomy

- **id** as **URI**, **type** as **Collection**
- **items** as Manifests or *sub*-Collections
- minimal properties

Use cases

- named collection analogs
- search results
- curated list from providers (even multiple)



config/canopy.json

```
{  
  "collection": "https://example.org/iiif/collection/sample.json",  
  "featured": [  
    "https://example.org/iiif/manifest/sample-1.json",  
    "https://example.org/iiif/manifest/sample-2.json",  
  ],  
  "metadata": [ "Subject", "Date", "Dimensions" ],  
  "theme": {  
    ...  
  }  
}
```




Docs

[Configuration](#) >

[Content](#) >

[Development](#)
[Features](#) >

[Theming](#) ▾

[Color & Visuals](#)
[Layout](#)

Guides

[Create a Project](#)
[Create Markdown Content](#)
[Create Navigation Routes](#)
[Customize the Search Index](#)
[Deploy to GitHub Pages](#)
[Enable a Map with navPlace](#)
[Stackblitz Playground](#)

Colors & Visuals

Implementers may choose to modify the theme settings of their Canopy IIIF project to fit their project's design requirements. As of `v0.12.0`, Canopy now utilizes Radix UI Themes, allowing implementers to [customize Colors, Scaling, and Radius styling](#).

Accent Colors



Gray Colors



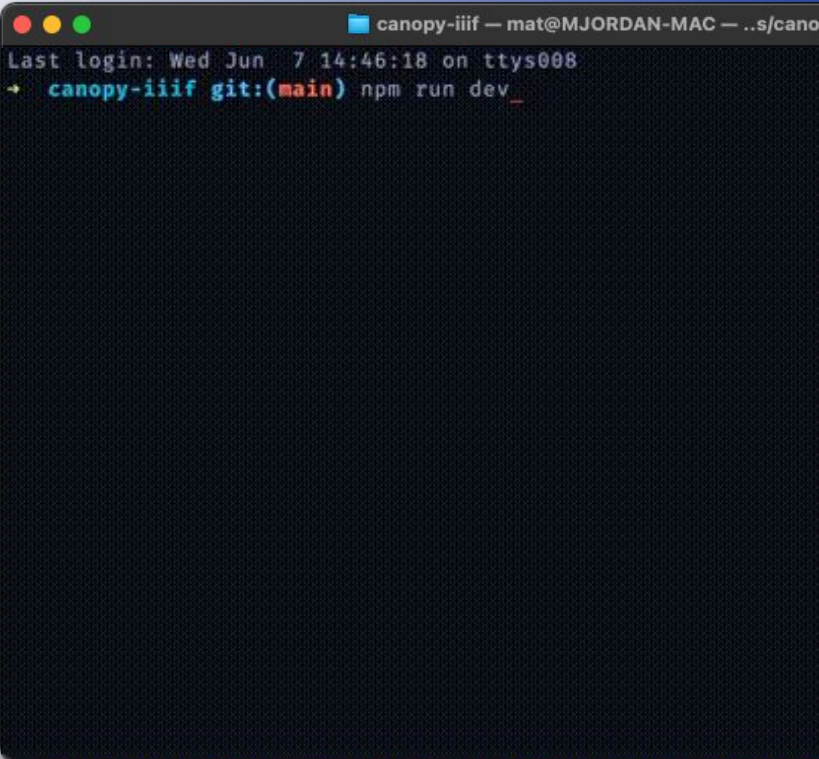
On This Page

[Colors & Visuals](#)
[Accent Colors](#)
[Gray Colors](#)
[MDX Layouts](#)
[Question? Give us feedback](#) →

[Edit this page](#)

The Canopy Build Process

1. Fetch **IIIF Collection**
 - a. Upgrade 2.x -> 3.0
2. Fetch **IIIF Manifests** in **items**
 - a. Upgrade?
 - b. Collect **label**, **summary**, **metadata**, and **thumbnail**
 - c. Assign slugs
3. Store data for Routes
 - a. Manifests -> [/work/...](#)
 - b. Facets -> [/api/facet/...](#)
 - c. Search index -> [/api/search?q=](#)

A terminal window titled "canopy-iiif — mat@MJORDAN-MAC — ..s/cano". The window shows the command "canopy-iiif git:(main) npm run dev_" being executed. The background of the terminal is dark blue with light blue text.

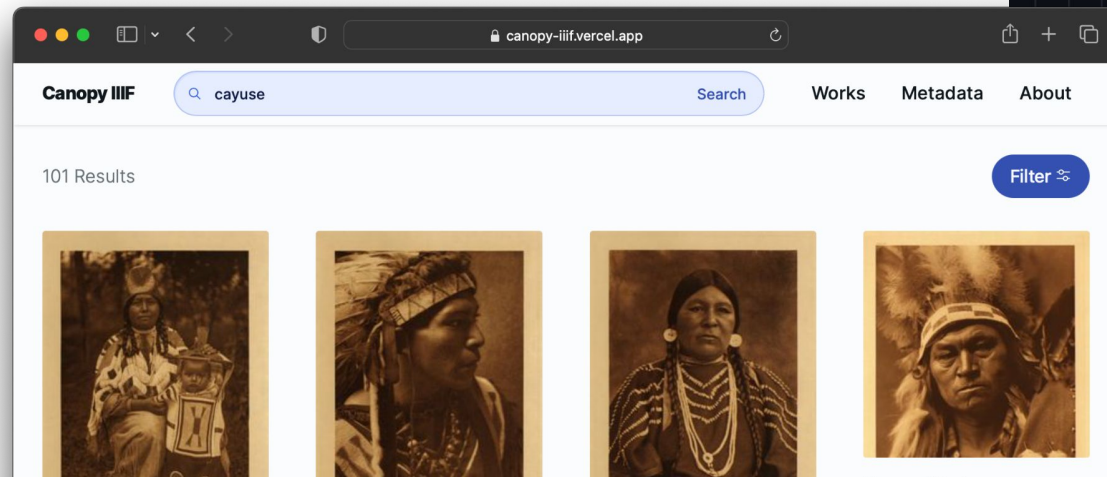
```
canopy-iiif — mat@MJORDAN-MAC — ..s/cano
Last login: Wed Jun  7 14:46:18 on ttys008
→ canopy-iiif git:(main) npm run dev_
```

Search API Routes

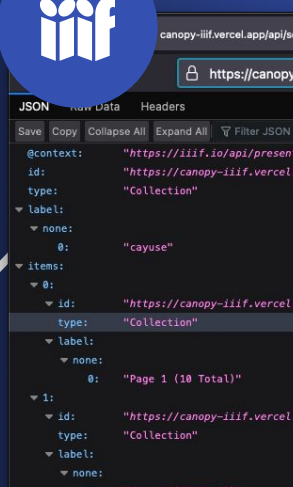
Generated from Manifest `label`, `summary`,
and `metadata`

FlexSearch, in-memory search index

</api/search?q=cayuse> → IIIF Collection



```
const index = new Document({  
  charset: "latin:extra",  
  optimize: true,  
  tokenize: "strict",  
  bidirectional: false,  
  document: {  
    index: [  
      {  
        field: "label",  
        tokenize: "extra",  
        resolution: 9,  
        depth: 3,  
        bidirectional: true,  
      },  
      {  
        field: "metadata",  
        resolution: 2,  
      },  
      {  
        field: "summary",  
        resolution: 1,  
      },  
    ],  
  },  
});
```

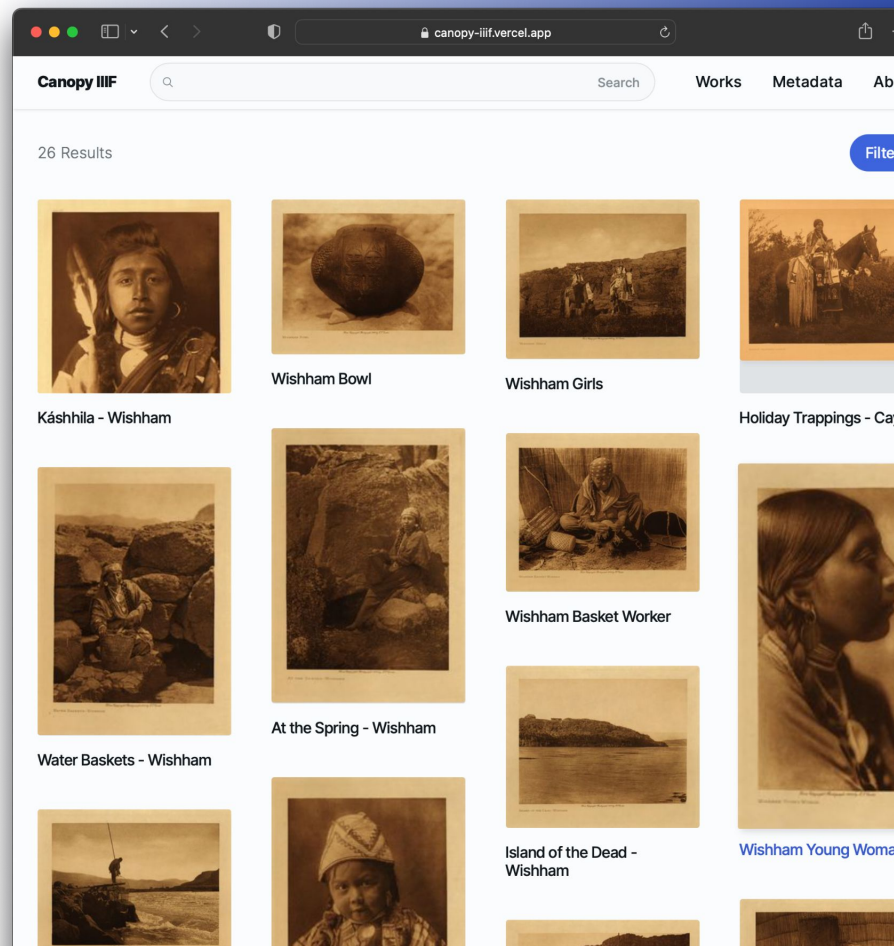


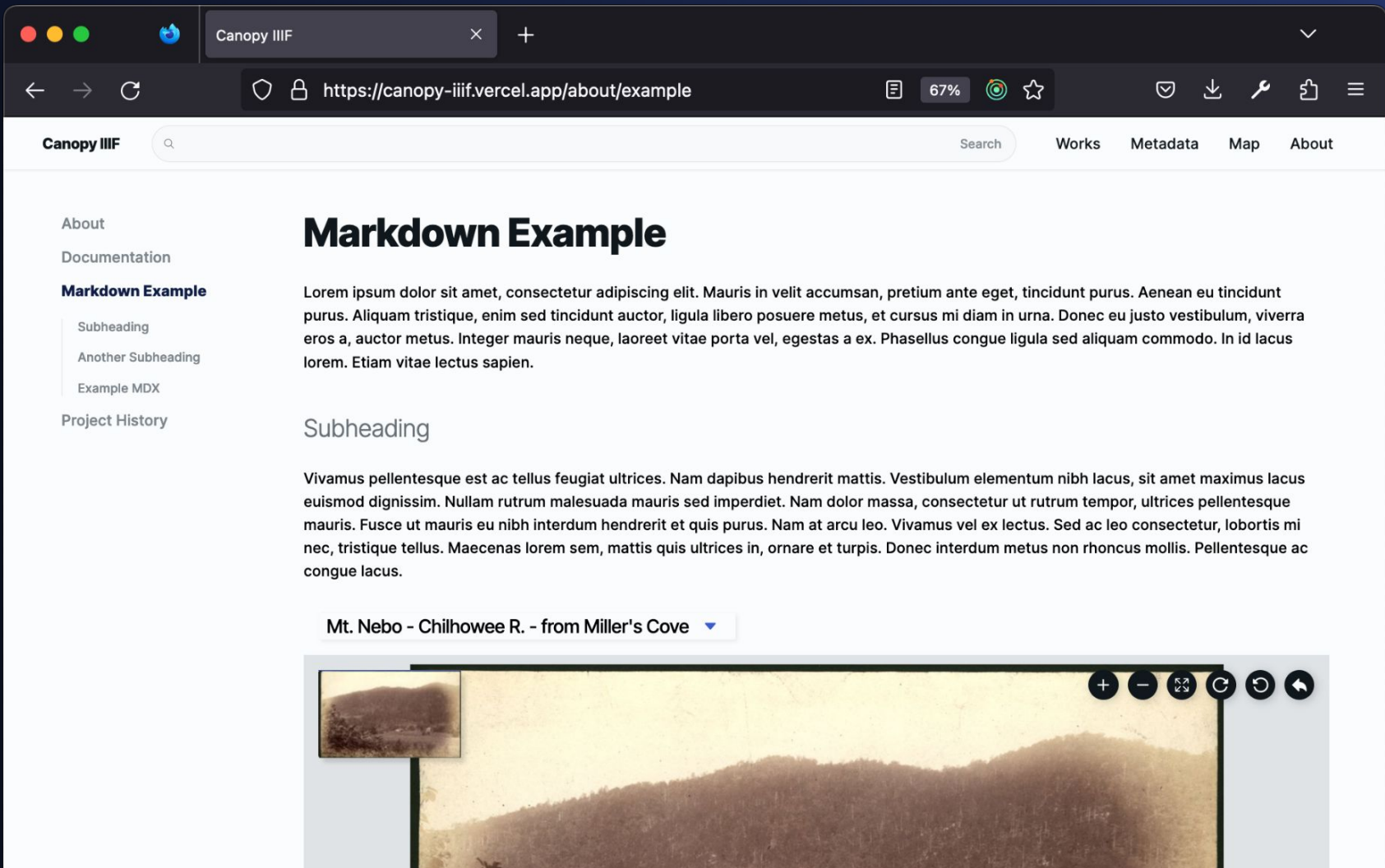
New Metadata API Routes

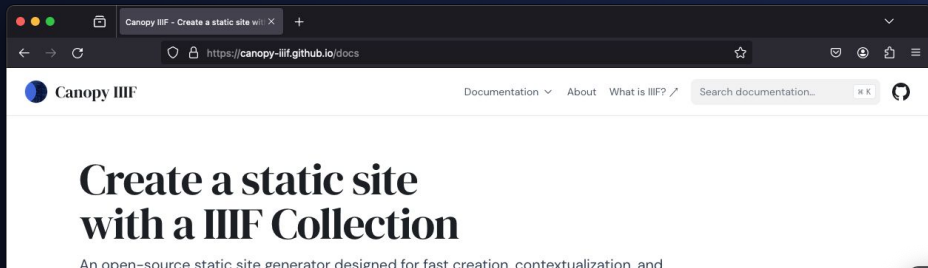
- Built from Manifest **metadata**
- Customized in configuration
- Exact match

```
{  
  "label": { "none": [ "Date" ] },  
  "value": { "none": [ "1909" ] }  
}
```

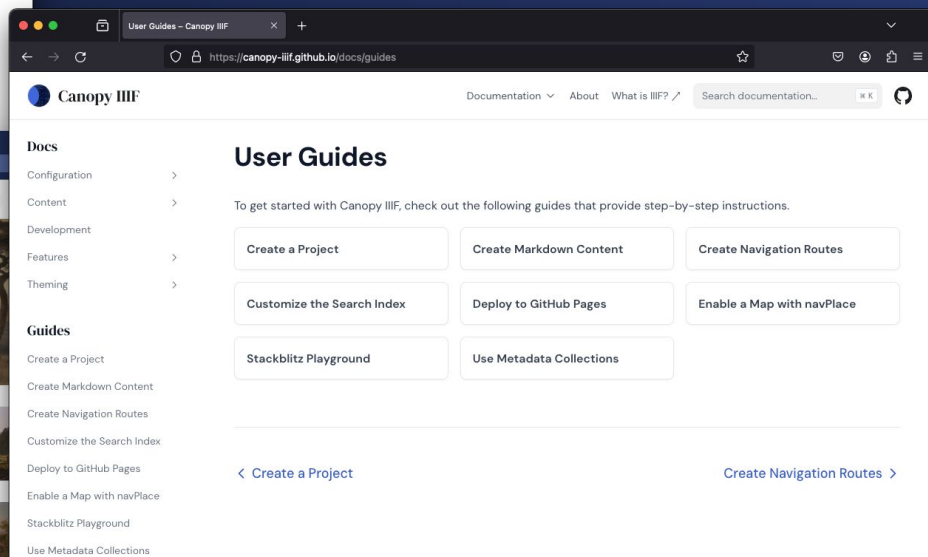
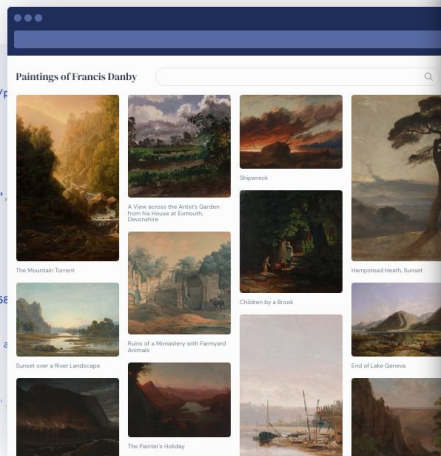
/api/facet/date/1909 → new IIIF Collection







```
{
  "@context": "http://iiif.io/api/presentation/3/context.json",
  "id": "https://collections.britishart.yale.edu/iiif/collection/",
  "type": "Collection",
  "label": {
    "en": ["Paintings of Francis Danby"]
  },
  "items": [
    {
      "id": "https://manifests.collections.yale.edu/ycba/obj/116",
      "type": "Manifest",
      "label": {
        "en": ["The Mountain Torrent"]
      }
    },
    {
      "id": "https://manifests.collections.yale.edu/ycba/obj/3865",
      "type": "Manifest",
      "label": {
        "en": ["A View across the Artist's Garden from his House at Eastwell, Devonshire"]
      }
    },
    {
      "id": "https://manifests.collections.yale.edu/ycba/obj/710",
      "type": "Manifest",
      "label": {
        "en": ["The Painter's Holiday"]
      }
    }
  ]
}
```



Canopy IIIF Roadmap

<https://github.com/canopy-iiif/canopy-iiif>

- ❑ Viewer malleability: Import Mirador (v4), UV, Ramp, Annona, Maptime
- ❑ Collections of Collections
- ❑ Timeline (navDate)

