Images and Media

Where media lives

Media	Location	Served from
Photos, logos, icons, placeholders	`public/images/**` (committed)	Site origin
CMS uploads	`public/images/events`, `public/images/staff`, `public/images/sponsors`	Site origin
Explore the Fort videos (and optional posters/captions)	R2 bucket, `video/…`	`https://cdn.r2.fortadams.org`
Strategic Plan and Annual Report PDFs	R2 bucket, `documents/…`	`https://cdn.r2.fortadams.org`

`next/image` with static export

`next.config.ts` sets `images.loader: "custom"` with `loaderFile: ./src/lib/image-loader.ts`, and `dangerouslyAllowSVG: true` (with `contentDispositionType: "attachment"`) for the placeholder SVGs.

The loader:

- **Default:** returns `src` unchanged. Local and remote URLs pass through at original size.
- **With `NEXT_PUBLIC_CF_IMAGE_BASE`:** absolute URLs become `${base}/cdn-cgi/image/width=W,quality=Q,format=auto/${src}`, giving real responsive `srcset` through Cloudflare Image Resizing. The zone must have Image Resizing enabled. Local `/images/...` paths still pass through.

Because local images aren't resized, **optimise them before committing**: use WebP or JPEG at appropriate dimensions. Several legacy assets are large WordPress exports; see the size guidelines in *Administrator Guide → Working with Images*.

`FortImage`

Use `FortImage` instead of `next/image` whenever a source may be empty or may fail (CMS uploads, remote images). It falls back to `/images/placeholders/fort-fallback.svg`.

Explore the Fort media

- Records live in `src/lib/explore-fort.ts`: `id`, `location`, `title`, `description`, `videoPath` (relative, URL-encoded), optional `posterPath`, `captionsPath` and `transcript`, and marker `x`/`y` as percentages on `/images/explore/fort-adams-explore-map.webp`. The same map is used by the History page.
- A build-time validator enforces **exactly six** entries with unique IDs, required fields, and coordinates from 0 to 100.
- Base URL: `NEXT_PUBLIC_FORT_MEDIA_BASE`, defaulting to `https://cdn.r2.fortadams.org`.

R2 / custom-domain requirements

This is configured on the R2 bucket or custom domain, not in Pages `_headers`:

- MP4 **byte-range** responses (seeking and iOS playback) with `Content-Type: video/mp4`
- `text/vtt` for caption files
- Long-lived immutable cache headers. **Version file names** when replacing media, because caches won't see an overwrite.
- **CORS** allowing the site origin to fetch video, poster, and caption files (captions via `<track>` need CORS)

Replacing or adding media

- **Swap a video:** upload the new file to R2 under a new name, update `videoPath`, and deploy.
- **Move a marker:** adjust `x`/`y` in `explore-fort.ts`. Recent commits did this iteratively; check it visually on desktop.
- **New PDF:** upload to R2 `documents/` and update the link in `src/app/about/page.tsx`.

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