Astro Web framework CLI

CONCEPTS

Install Astro per project and run it with npx astro <cmd> or npm scripts; it is not meant to be installed globally.

src/pages .astro, .md routes
↓ astro dev
Dev server HMR, port 4321
↓ astro build
dist/ static output
↓ astro preview
Local preview check before deploy

Pages are static HTML by default; add an adapter and output or per-page prerender settings for on-demand rendering.

Config lives in astro.config.mjs; CLI flags like --site, --base, --outDir override it for one run.

PROJECT

npm create astro@latest
Scaffold a project with the wizard

npm create astro@latest -- --template *<name>*
Start from an official template

npm run dev
Run the dev script from package.json

npx astro *<command>*
Run the local CLI directly

astro info
Print environment details

astro --help
List commands and flags

DEVELOP

astro dev
Start the dev server (HMR)

astro dev --port *<n>*
Use another port (default 4321)

DEVELOP (cont.)

astro dev --host
Listen on all network addresses

astro dev --open
Open the browser on start

astro dev --force
Clear content layer cache, full rebuild

BUILD AND PREVIEW

astro build
Build the site into dist/

astro build --outDir *<path>*
Write output elsewhere

astro build --site *<url>*
Override the site URL

astro build --base *<path>*
Override the base path

astro preview
Serve dist/ locally

astro preview --port *<n>*
Preview on another port

CHECK AND SYNC

astro check
Type-check .astro and TS files

astro sync
Generate .astro/ types and content types

INTEGRATIONS

astro add *<name>*
Install and wire up an integration

astro add node
Add an SSR adapter (also vercel, netlify, cloudflare)

CONFIGURATION

site: 'https://example.com'
Final URL for sitemap and canonical links

output: 'static' / 'server'
Prerender by default or render on demand