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)

astro dev --host
Listen on all network addresses

astro dev --open
Open the browser on start

DEVELOP (cont.)

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

astro preview --host
Preview on the network

CHECK AND SYNC

astro check
Type-check .astro and TS files

astro check --watch
Re-check on every change

astro sync
Generate .astro/ types and content types

INTEGRATIONS

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

astro add react tailwind
Add several integrations at once

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

astro add mdx
Add MDX page and content support

CONFIGURATION

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

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