Nuxt Vue web framework

nuxt dev HMR server → `nuxt build` → **.output** Nitro server bundle → `node` → **Run** SSR on Node or edge

CONCEPTS

Files in app/pages, app/components and app/composables are picked up and auto-imported: no import lines needed.

nuxt generate prerenders every route to plain HTML in .output/public for any static host.

PROJECT

npm create nuxt *<dir>*
Scaffold a new project

`npx` **nuxt dev**
Start the dev server with HMR

`npx` **nuxt build**
Production build into .output

`npx` **nuxt generate**
Prerender to static HTML

`npx` **nuxt preview**
Serve the production build locally

`npx` **nuxt prepare**
Generate .nuxt and types

`npx` **nuxt typecheck**
Type-check the whole app

`npx` **nuxt info**
Print versions and modules

PROJECT (cont.)

`npx` **nuxt cleanup**
Delete .nuxt, .output and caches

`npx` **nuxt upgrade**
Upgrade Nuxt and dependencies

DEV SERVER

`npx` **nuxt dev -p** *<port>*
Listen on another port

`npx` **nuxt dev -o**
Open the browser on start

`npx` **nuxt dev -h** *<host>*
Bind to a host or IP

`npx` **nuxt dev --public**
Listen on all interfaces

`npx` **nuxt dev --https**
Serve over local HTTPS

`npx` **nuxt dev --dotenv** *<file>*
Load an extra .env file

BUILD & DEPLOY

`npx` **nuxt build --prerender**
Build and prerender static routes

`npx` **nuxt build --preset** *<name>*
Choose a deploy target

BUILD & DEPLOY (cont.)

`npx` **nuxt analyze**
Inspect the bundle size

node .output/server/index.mjs
Run the built server

SCAFFOLDING

`npx` **nuxt add-template page** *<name>*
New page in app/pages

`npx` **nuxt add-template component** *<Name>*
New component in app/components

`npx` **nuxt add-template composable** *<name>*
New composable in app/composables

`npx` **nuxt add-template layout** *<name>*
New layout in app/layouts

`npx` **nuxt add-template api** *<name>*
New API handler in server/api

MODULES

`npx` **nuxt module add** *<module>*
Install and register a module

DIRECTORIES

Where things go

Path	Holds
`app/pages/`	file-based routes (about.vue, [id].vue)
`app/components/`	auto-imported components
`app/composables/`	auto-imported use* functions
`app/layouts/`	page wrappers, used with <NuxtLayout>
`app/middleware/`	route guards
`app/plugins/`	code that runs when the app starts
`app/utils/`	auto-imported helpers
`server/api/`	handlers served at /api/*
`server/routes/`	handlers served at their path
`server/middleware/`	run on every server request
`public/`	static files served from /
`shared/`	code usable by app and server

DIRECTORIES (cont.)

app/app.vue is the root component; add <NuxtPage /> there once you have a pages/ folder.

A file in server/api/hello.get.ts answers GET /api/hello only; the .get/.post suffix picks the method.

CONFIG

nuxt.config.ts: modules
List of extensions, loaded in order

nuxt.config.ts: runtimeConfig
Env-backed settings

nuxt.config.ts: css
Global stylesheets

nuxt.config.ts: app
baseURL, head tags, transitions

nuxt.config.ts: ssr
Turn server rendering on or off

nuxt.config.ts: routeRules
Per-route caching and rendering

nuxt.config.ts: devtools
Enable Nuxt DevTools