Nuxt Vue web framework

CONCEPTS

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

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

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

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

BUILD & DEPLOY

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

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 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

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

CONFIG

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

nuxt.config.ts: runtimeConfig
Env-backed settings

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