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

`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 --qr`
Show a QR code for the URL

DEV SERVER (cont.)

`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

`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 middleware <name>`
New route middleware

`npx nuxt add-template plugin <name>`
New plugin in app/plugins

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

MODULES

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

`npx nuxt module search <query>`
Find modules by keyword

`npx nuxt module remove <module>`
Uninstall and unregister 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.

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: compatibilityDate`
Pin behaviour of presets and modules