Prisma Database ORM toolkit

CONCEPTS

> Since Prisma 7 the CLI no longer runs generate or seed for you after migrate dev, migrate reset or db push. Run them explicitly.

Edit schema.prisma models, relations
migrate dev SQL file + apply
↓ changes
generate typed client
↓ then
migrate deploy CI and production
↓ commit, ship
Typical development loop

> The database URL lives in prisma.config.ts (usually read from DATABASE_URL), not in the schema. Commands that touch the database need that file.

SETUP

npx prisma init
Create schema, config and .env

npx prisma init --datasource-provider *<provider>*
Pick the database provider

npx prisma init --url *<url>*
Set a custom datasource URL

npx prisma version
CLI, client and engine versions

GENERATE

npx prisma generate
Generate the client from the schema

npx prisma generate --watch
Regenerate on schema changes

SCHEMA TOOLING

npx prisma validate
Check the schema for errors

npx prisma format
Format schema.prisma

SCHEMA TOOLING (cont.)

npx prisma format --check
Fail if the schema is unformatted

npx prisma *<command>* **--schema** *<path>*
Use a schema in another location

npx prisma *<command>* **--config** *<path>*
Use another prisma.config.ts

MIGRATE

npx prisma migrate dev
Apply schema changes in development

npx prisma migrate dev --name *<name>*
Name the new migration

npx prisma migrate dev --create-only
Write the SQL, do not apply it

npx prisma migrate deploy
Apply pending migrations (prod, CI)

npx prisma migrate status
Compare migrations with the database

npx prisma migrate reset
Drop data and reapply all migrations

DATABASE

npx prisma db push
Sync schema to DB without migrations

npx prisma db pull
Introspect DB into the schema

npx prisma db seed
Run the configured seed script

STUDIO AND DEV DB

npx prisma studio
Open the data browser

ENVIRONMENT

DATABASE_URL=*<url>*
Connection string, read by prisma.config.ts