

Example app using Knex

[Knex](#) is a SQL query builder that works with a variety of SQL databases including Postgres and MySQL. This example shows you how to use Knex with Next.js to connect and query a Postgres database. The same code can also connect to all other databases supported by Knex.

Deploy your own

Once you have access to the environment variables you'll need, deploy the example using [Vercel](#):



How to use

Execute [create-next-app](#) with [npm](#) or [Yarn](#) to bootstrap the example:

```
npx create-next-app --example with-knex with-knex-app
# or
yarn create next-app --example with-knex with-knex-app
# or
pnpm create next-app -- --example with-knex with-knex-app
```

Configuration

Install dependencies

```
npm install
# or
yarn
```

Set up a Postgres database

Set up a Postgres database locally or use a DBaaS provider such as AWS or Digital Ocean

Configure environment variables

Copy the `.env.local.example` file in this directory to `.env.local` (this will be ignored by Git):

```
cp .env.local.example .env.local
```

Set the `PG_URI` variable in `.env.local` to the connection uri of your postgres database.

Apply migrations

You can create, apply and rollback migrations using the scripts in `package.json`. For now we will run the example migrations in the `knex/migrations` folder, which will add some Todos to the database.

```
npm run migrate:latest
# or
yarn migrate:latest
```

Start Next.js in development mode

```
npm run dev
# or
yarn dev
```

Your app should now be up and running on <http://localhost:3000>! If it doesn't work, post on [GitHub discussions](#).

You should now see a list of Todos that were fetched from the database via the API Route defined in `/pages/api/todos.js`.

Deploy on Vercel

You can deploy this app to the cloud with [Vercel](#) ([Documentation](#)).

Deploy Your Local Project

To deploy your local project to Vercel, push it to GitHub/GitLab/Bitbucket and [import to Vercel](#).

Important: When you import your project on Vercel, make sure to click on **Environment Variables** and set them to match your `.env.local` file.

Deploy from Our Template

Alternatively, you can deploy using our template by clicking on the Deploy button below.

