

Vercel & TiDB Cloud

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Hint



Main Topic



Sub Topic

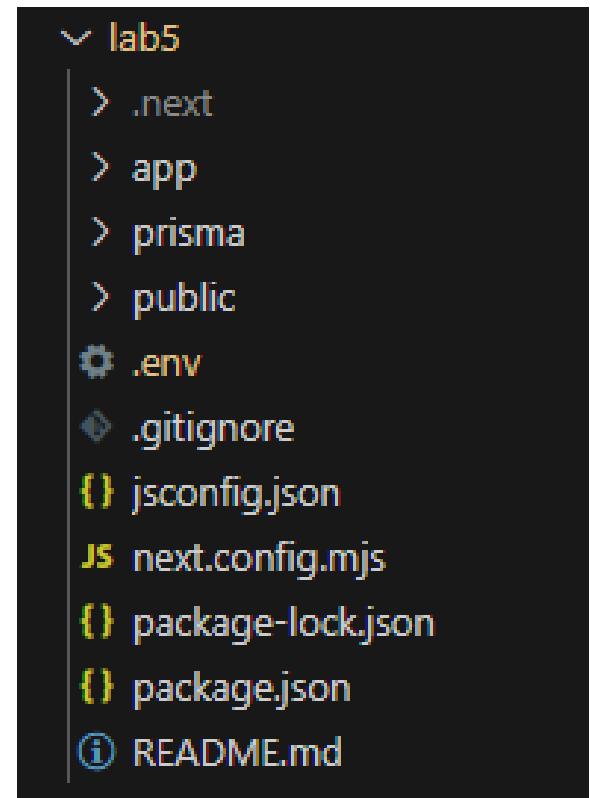
* Prepare project

Copy folder **lab5** (Auth) and rename to “**next-vercel-deploy**” then **create new public repository**

*** not contain “node_modules”**

```
> cd <path>/next-vercel-deploy
```

```
> npm install
```



TiDB

TiDB is highly compatible with MySQL, allowing you to securely connect to it via TLS using your familiar client, ORM, or library.

The screenshot displays the TiDB console interface. On the left is a navigation sidebar with options: Cluster0, Overview (selected), SQL Editor, Branches, Data, Import, Backup, Monitoring, Diagnosis, Metrics, and Events. The main content area is titled 'Overview' and features a blue 'Connect' button in the top right corner, which is highlighted by a red arrow. Below the button is a modal window with the following content:

Hey, dadwindad. Connect TiDB database to your app and workflow.

TiDB is highly compatible with MySQL, allowing you to securely connect to it via TLS using your familiar client, ORM, or library. No other installations and changes are needed! Built-in branching can be used just like in Git flow.

[Connect to my cluster](#)

The modal window also contains a diagram of a database cluster (represented by a cloud with nodes) and icons for JavaScript (JS), a database client, and a server. Below the modal, the 'Cluster Properties' section shows 'Cluster Name: Cluster0' and 'Status: Available'. The 'Usage This Month' section shows 'Current Spend: Free' and a button to 'Upgrade to Scalable Cluster'.

Create DB

Connect to **Cluster0** ✕

Endpoint Type ⓘ Public ⇅ Branch main ⇅

Database test ⇅ Operating System Windows (Detected) ⇅

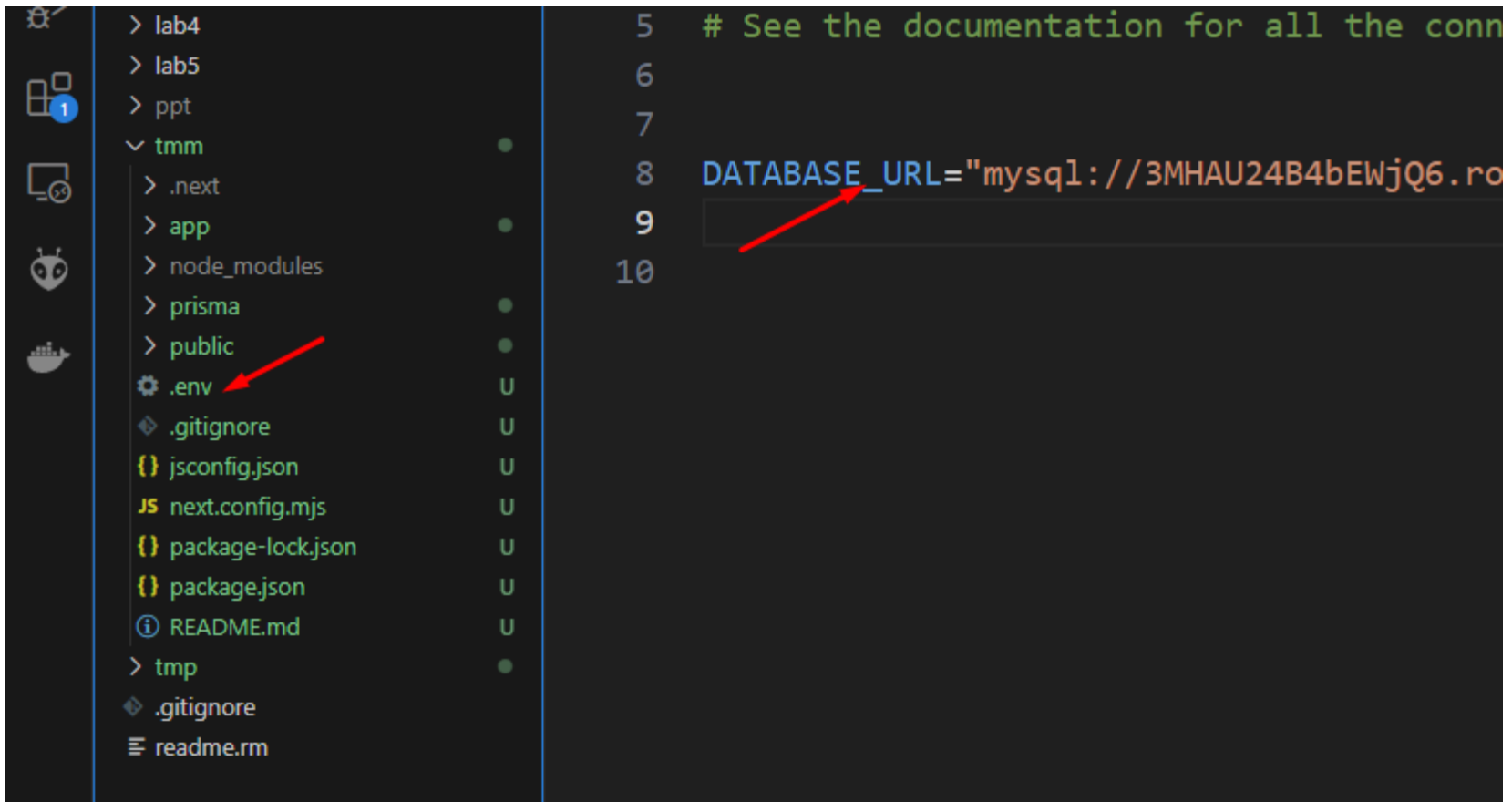
Connect With Prisma ⇅

Existing connections are based on password you've set before. Forget it? [Reset Password](#)

```
mysql://3MHAU24B4bEWjQ6.root:<PASSWORD>@gateway01.ap-southeast-1.prod.aws.tidbcloud.com:4000/test?sslaccept=strict
```

The above codes show how to connect to your cluster with Prisma. Learn more about [Prisma connection](#).

Modify .env

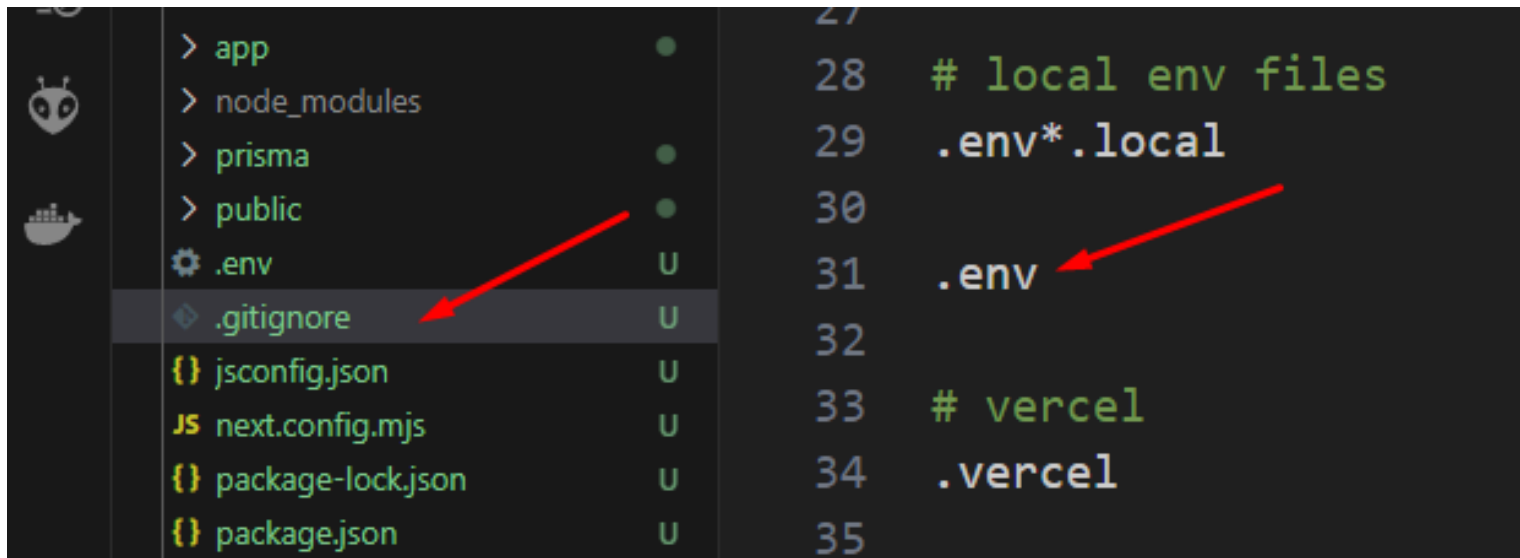


```
5 # See the documentation for all the conn
6
7
8 DATABASE_URL="mysql://3MHAU24B4bEWjQ6.ro
9
10
```

The image shows a code editor interface. On the left is a file explorer with a dark theme. The project structure includes folders like 'lab4', 'lab5', 'ppt', 'tmm', and 'tmp', and files like '.env', '.gitignore', 'jsconfig.json', 'next.config.mjs', 'package-lock.json', 'package.json', and 'README.md'. A red arrow points to the '.env' file. On the right is the code editor showing the content of the '.env' file. The visible text includes a comment on line 5, an empty line on 6, another empty line on 7, and the line 'DATABASE_URL="mysql://3MHAU24B4bEWjQ6.ro' on line 8. A red arrow points to the 'DATABASE_URL' variable name. Line 9 is empty, and line 10 is partially visible.

Cautious !!!

- Don't push the `.env` with **any password** in the real host
- add `“.env”` in `.gitignore`



```
27
28 # local env files
29 .env*.local
30
31 .env
32
33 # vercel
34 .vercel
35
```

Migrate

> npx prisma migrate dev --name init

The screenshot displays the Prisma Studio interface. On the left, a sidebar contains navigation options: Cluster0, Overview, SQL Editor (highlighted with a blue bar and a red arrow), Branches, Data, Import, Backup, Monitoring, and Diagnosis. The main area is titled 'SQL Editor BETA' and shows a 'Schemas' view. A tree view on the left lists 'test', '_prisma_migrations', and 'User'. The 'User' schema is expanded, showing fields: 'id', 'name', 'email', 'password', 'createAt', and 'updateAt'. A red arrow points to the '_prisma_migrations' folder. On the right, a 'Getting Started' tab is active, showing a code editor with the following content:

```
1  /* Enter "USE {database};" to  
2     Press Ctrl + I to try out A  
3  | USE |
```

Test API

@working directory

> npm run dev

TiDB

SQL Editor BETA

Schemas SQL Files

Search

- test
 - _prisma_migrations
 - User
 - id
 - name
 - email
 - password
 - createAt
 - updateAt

Getting Started test Run

```
1 USE test;  
2  
3 SELECT * FROM User;
```

Query log

```
1 SELECT * FROM User;  
● Duration 21 ms
```

id	name	email	password
1		win@c.c	\$2b\$10\$x8KlI

Postman

POST {{host3000}}/api/auth/signup/

Params Authorization Headers (8) Body Scripts Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {  
2   "staff_name": "win",  
3   "staff_phone": "1234",  
4   "email": "win@c.c",  
5   "password": "111"  
6 }
```

Body Cookies Headers (6) Test Results

Status: 20

Pretty Raw Preview Visualize JSON

```
1 {  
2   "msg": "user created!",  
3   "data": {  
4     "id": 1,  
5     "name": null,  
6     "email": "win@c.c",  
7     "password": "$2b$10$x8KlIQu0chSpwwDXuMUQtuDyb5w4RQuS725iP2LLXUCx:",  
8     "createAt": "2024-07-08T15:47:13.290Z",  
9     "updateAt": "2024-07-08T15:47:13.290Z"  
10  }  
11 }
```

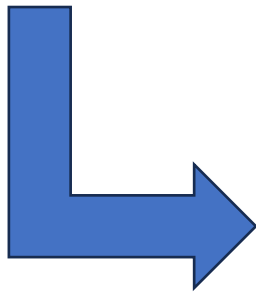

Test Signin

← ↻ ⓘ localhost:3000

Email

Password

Sign In



← ↻ ⓘ localhost:3000/profile

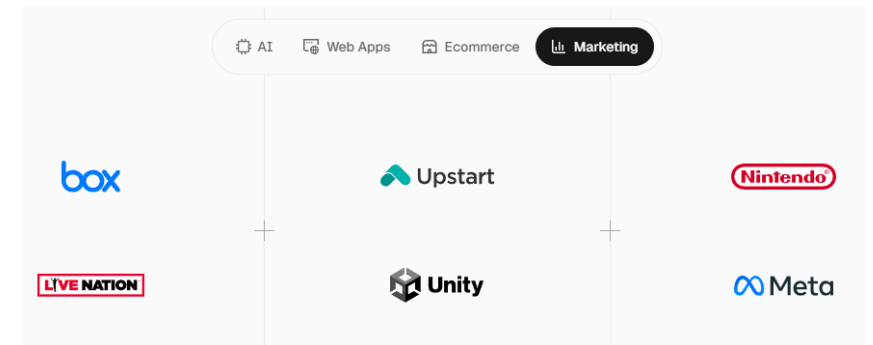
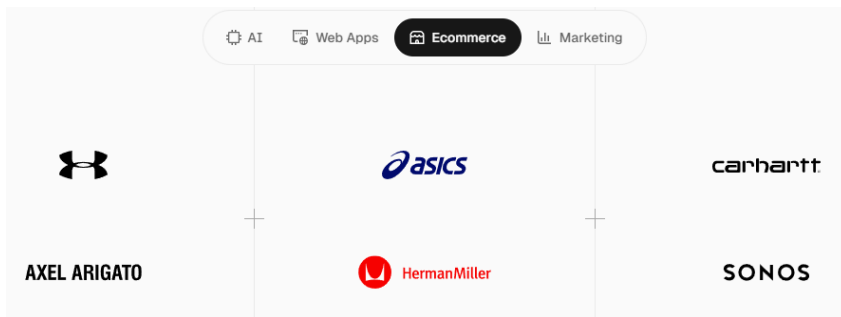
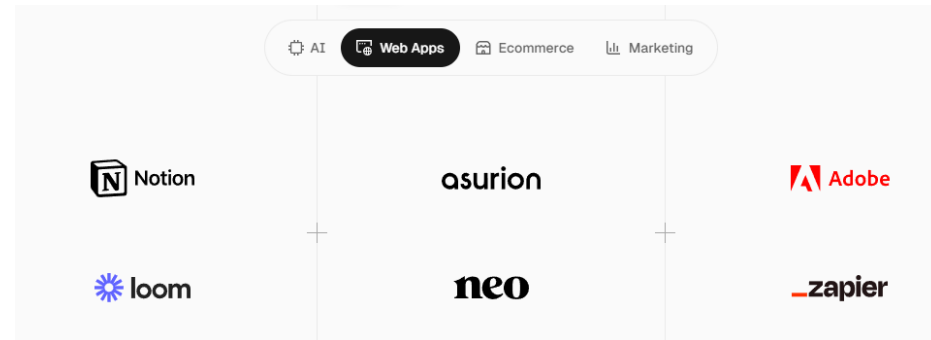
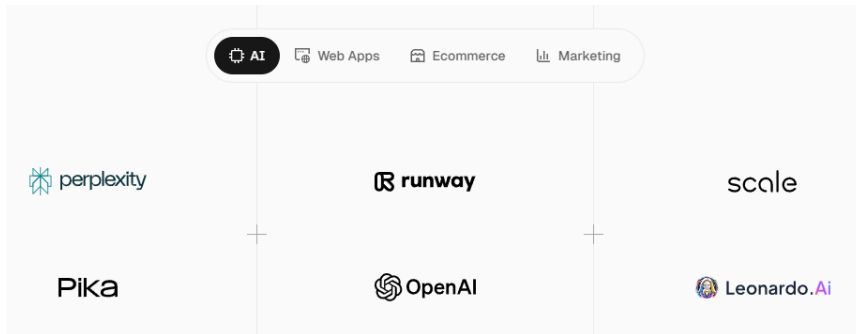
Welcome,

Email: win@c.c

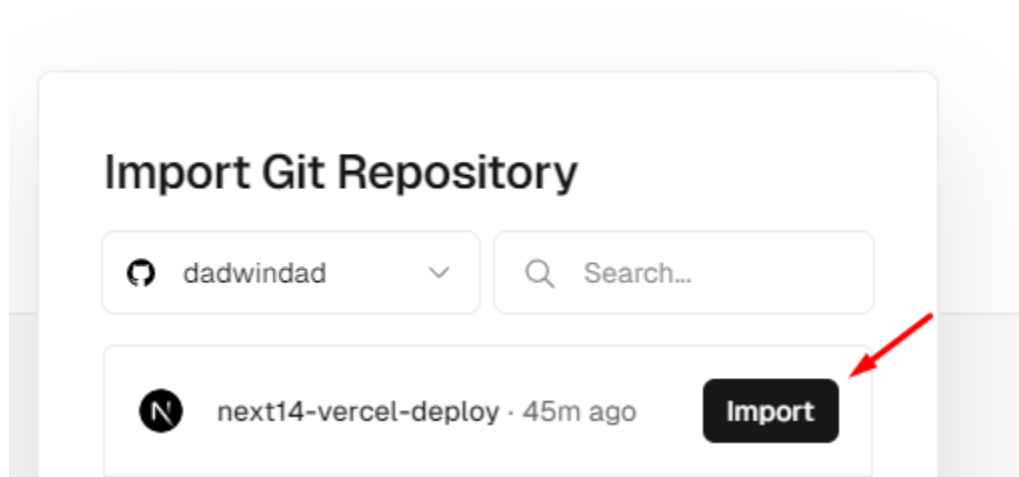
Logout



Vercel provides the developer tools and cloud infrastructure to build, scale, and secure a faster, more personalized web.



Import repository



if repo don't show
allow access permission
(grant vercel permission
on github)

Repository access

All repositories
This applies to all current *and* future repositories owned
Also includes public repositories (read-only).

Only select repositories
Select at least one repository.
Also includes public repositories (read-only).

Save

Cancel

Environment (from .env)

next14-vercel-deploy

- Configure Project
- Deploy

GIT REPOSITORY

dadwindad/next14-vercel-deploy

main

./

Import a different Git Repository →

Browse Templates →

Configure Project

Project Name

next14-vercel-deploy

Framework Preset

Next.js

Root Directory

./ Edit

> Build and Output Settings

Environment Variables

Key	Value (Will Be Encrypted)	
EXAMPLE_NAME	I9JU23NF394R6HH	Add
DATABASE_URL	mysql://3MHAU24B4bEWJQ6.root	⊖

TIP: Paste a .env above to populate the form

Learn more about [Environment Variables](#)

Key Value

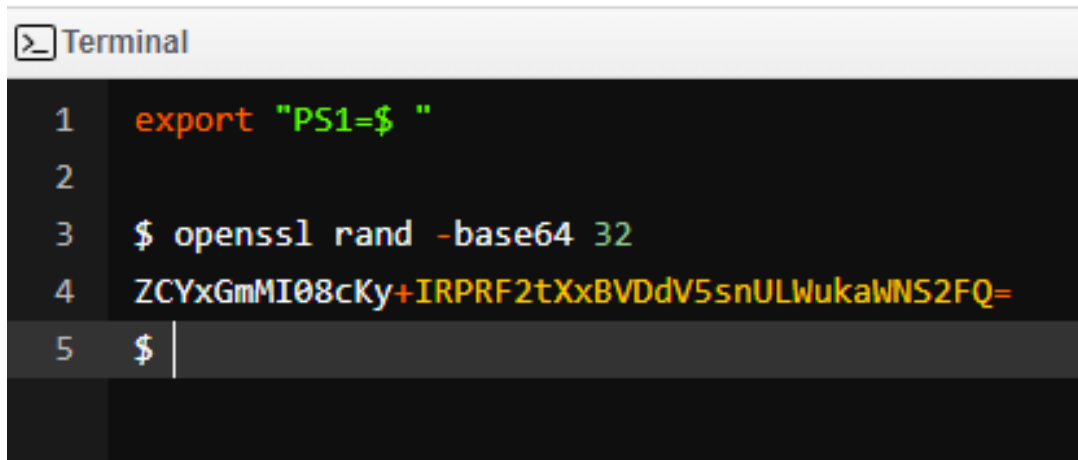
Deploy

Environment

NEXTAUTH_SECRET

<https://codegyan.in/linux-terminal-online.php>

```
$ openssl rand -base64 32
```



```
Terminal
1  export "PS1=$ "
2
3  $ openssl rand -base64 32
4  ZCYxGmMI08cKy+IRPRF2tXxBVDdV5snULWukaWNS2FQ=
5  $
```

<https://generate-secret.vercel.app/32>

Environment

NEXTAUTH_URL

Production Deployment

The deployment that is available to your visitors.

Build Logs




Runtime Logs

 Instant Rollback



Deployment

next14-vercel-deploy-3xb5tkgi8-dadwins-projects.vercel.app 

Domains

next14-vercel-deploy.vercel.app   

Status Created 










 Ready 2m ago by vongpramate 

Source

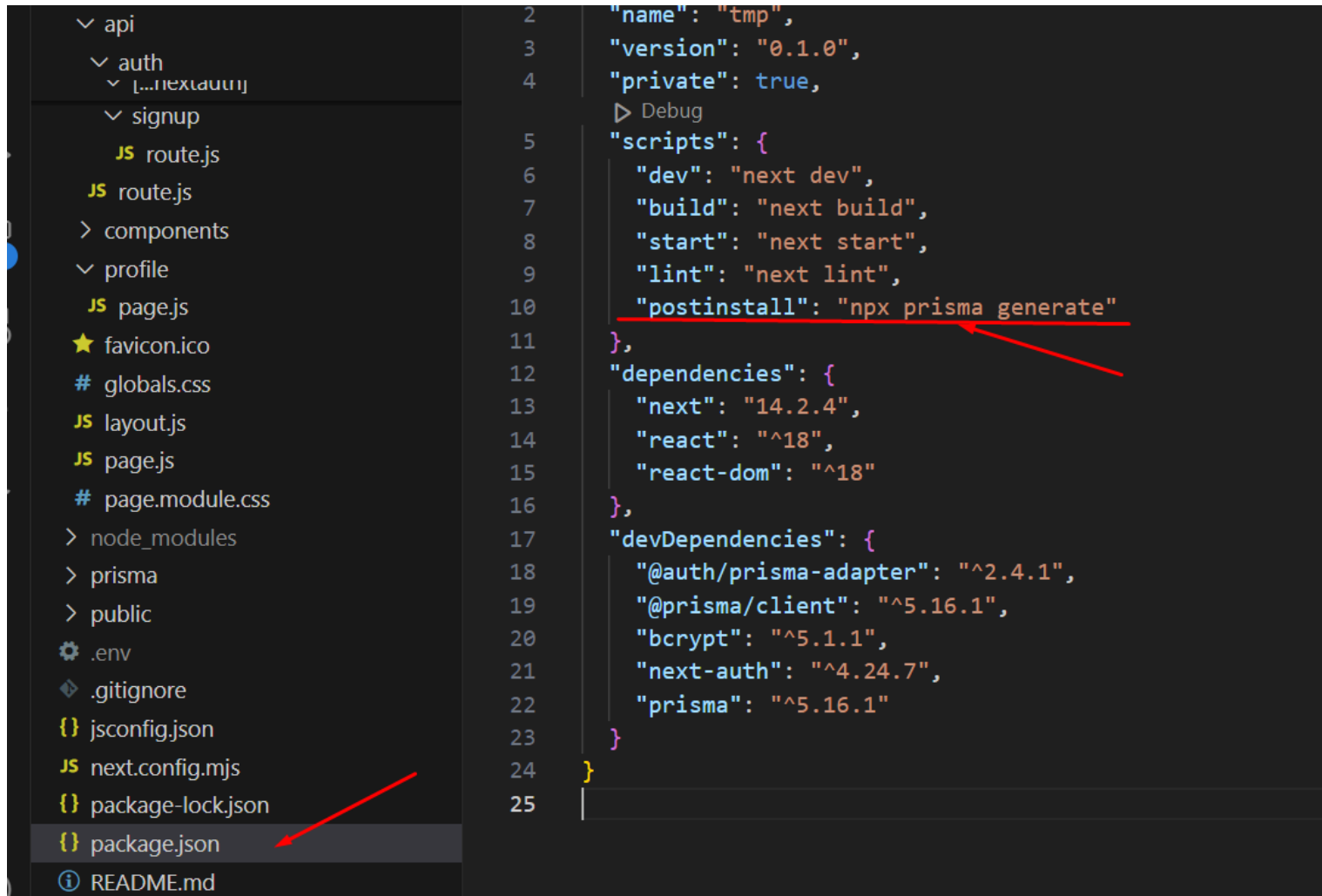
 main

 78134b5 npx prisma install

Environment

	NEXTAUTH_SECRET Development, Preview, Production		Added 2m ago		...
	NEXTAUTH_URL Development, Preview, Production		Added 2m ago		...
	DATABASE_URL Development, Preview, Production		Added 2h ago		...

Add script in package.json



```
2  "name": "tmp",
3  "version": "0.1.0",
4  "private": true,
5  "scripts": {
6    "dev": "next dev",
7    "build": "next build",
8    "start": "next start",
9    "lint": "next lint",
10   "postinstall": "npx prisma generate"
11  },
12  "dependencies": {
13    "next": "14.2.4",
14    "react": "^18",
15    "react-dom": "^18"
16  },
17  "devDependencies": {
18    "@auth/prisma-adapter": "^2.4.1",
19    "@prisma/client": "^5.16.1",
20    "bcrypt": "^5.1.1",
21    "next-auth": "^4.24.7",
22    "prisma": "^5.16.1"
23  }
24 }
25
```


Deployment

Deploying NextAuth.js only requires a few steps. It can be run anywhere a Next.js application can. Therefore, in a default configuration using only JWT session strategy, i.e. without a database, you will only need these few things in addition to your application:

1. NextAuth.js environment variables

- `NEXTAUTH_SECRET`
- `NEXTAUTH_URL`

2. NextAuth.js API Route and its configuration (`/pages/api/auth/[...nextauth].js`).

- OAuth Provider `clientId` / `clientSecret`

Deployment

```
23:14:46.894 | f /api/auth/signup          0 B          0 B
23:14:46.895 | f /profile                  483 B        97.8 kB
23:14:46.895 + First Load JS shared by all  87.1 kB
23:14:46.895 |   chunks/23-2373bfd2c0d9d2ff.js  31.5 kB
23:14:46.895 |   chunks/fd9d1056-62aaf4b921c84028.js  53.6 kB
23:14:46.895 |   other shared chunks (total)    1.93 kB
23:14:46.895
23:14:46.895
23:14:46.896 o (Static) prerendered as static content
23:14:46.896 f (Dynamic) server-rendered on demand
23:14:46.896
23:14:47.071 Traced Next.js server files in: 70.408ms
23:14:50.161 Created all serverless functions in: 3.089s
23:14:50.171 Collected static files (public/, static/, .next/static): 5.996ms
23:14:50.197 Build Completed in /vercel/output [37s]
23:14:50.359 Deploying outputs...
23:14:52.449 Injected preview comments middleware, you can disable this in your project settings.
23:15:00.715
23:15:00.982 Deployment completed
23:15:06.641 Uploading build cache [119.05 MB]...
23:15:08.064 Build cache uploaded: 1.423s
```

Deployment

The screenshot shows a web browser window with the address bar displaying `next14-vercel-deploy.vercel.app/profile`. The page content includes a welcome message, an email address `win@c.c`, and a `Logout` button. The browser's developer tools are open to the Network tab, showing a list of requests. A timeline at the top of the network panel indicates that the first request, `styles-760a7b596bc0696605d9.css`, is completed within the first 200ms of the page load.

Welcome,

Email: win@c.c

[Logout](#)

447px × 760px

Elements Recorder Console Sources Network Perf

Preserve log Disable cache No throttling

Filter Invert Hide data URLs Hide ext

All Fetch/XHR Doc CSS JS Font Img Media Manifest WS Wasm

3rd-party requests

200 ms 400 ms 600 ms 800 ms

Name	Status	Type
<input checked="" type="checkbox"/> styles-760a7b596bc0696605d9.css	200	stylesheet
<input type="checkbox"/> session	200	fetch
<input type="checkbox"/> profile?_rsc=1iwkq	200	fetch
<input type="checkbox"/> page-1a26a4aeca0a5d26.js	200	script
<input type="checkbox"/> asset-manifest.json	200	fetch

Create API



Let's Try

Guideline

show some data in JSON format

1. What is folder name?
3. How to query data from DB?

Q & A