



Watching for users

What will your users see?

Install the SDK, run your dev server, and sign yourself up. The moment we detect that first account, installation is complete.



Next.js



React



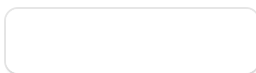
Astro

Expo

iOS



JavaScript



Copy this quickstart guide as a prompt for LLMs to implement Clerk in your Next.js application

Copy prompt

1

Install `@clerk/nextjs`

Run the following command to install the SDK:

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npm yarn pnpm

terminal



```
npm install @clerk/nextjs
```

2 Set your Clerk API keys

Add these keys to your `.env` or create the file if it doesn't exist. Retrieve these keys anytime from the [API keys](#) page.

`.env`

```
NEXT_PUBLIC_CLERK_PUBLISHABLE_KEY=pk_test_c3RhYmx1LW1hbW1vdGgtODEuY2x1cmsuYWNjb3  
CLERK_SECRET_KEY=.....
```

3 Update `middleware.ts`

Update your middleware file, or create one at the root of your project, or the `src/` directory if you're using a `src/` directory structure.

The `clerkMiddleware` helper enables authentication and is where you'll configure your protected routes.

`middleware.ts`

```
import { clerkMiddleware } from '@clerk/nextjs/server';  
  
export default clerkMiddleware();  
  
export const config = {  
  matcher: [  
    // Skip Next.js internals and all static files,  
    '/((?!_next|[^?]*\\.(?:html?|css|js(?!on)|jpe?g|  
    // Always run for API routes  
    '/(api|trpc)(.*)',  
  ],  
};
```

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```
],  
};
```

4 Add `ClerkProvider` to your app

The `ClerkProvider` component provides Clerk's authentication context to your app. It's recommended to wrap your entire app at the entry point with `ClerkProvider` to make authentication globally accessible. See the [reference docs](#) for other configuration options.

Copy and paste the following code into your `layout.tsx` file. This creates a header with Clerk's prebuilt components to allow users to sign in and out.

/src/app/layout.tsx

```
import { type Metadata } from 'next'  
import {  
  ClerkProvider,  
  SignInButton,  
  SignUpButton,  
  SignedIn,  
  SignedOut,  
  UserButton,  
} from '@clerk/nextjs'  
import { Geist, Geist_Mono } from 'next/font/google'  
import './globals.css'  
  
const geistSans = Geist({  
  variable: '--font-geist-sans',  
  subsets: ['latin'],  
})  
  
const geistMono = Geist_Mono({  
  variable: '--font-geist-mono',  
  subsets: ['latin'],  
})  
  
export const metadata: Metadata = {  
  title: 'Clerk Next.js Quickstart',  
  description: 'Generated by create next app',  
}  
  
export default function RootLayout({
```

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```
children,
}: Readonly<{
  children: React.ReactNode
}>) {
  return (
    <ClerkProvider>
      <html lang="en">
        <body className={` ${geistSans.variable} ${geistMono.variable} antialiased`>
          <header className="flex justify-end items-center p-4 gap-4 h-16">
            <SignedOut>
              <SignInButton />
              <SignUpButton>
                <button className="bg-[#6c47ff] text-ceramic-white rounded-full">
                  Sign Up
                </button>
              </SignUpButton>
            </SignedOut>
            <SignedIn>
              <UserButton />
            </SignedIn>
          </header>
          {children}
        </body>
      </html>
    </ClerkProvider>
  )
}
```

Create your first user

Run your project. Then, visit your app's homepage at `http://localhost:3000` and sign up to create your first user.

npm yarn pnpm

terminal

```
npm run dev
```

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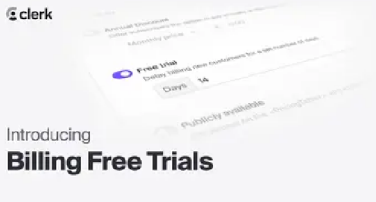
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Next steps

Utilize your own pages for authentication

The Account Portal is the fastest way to add authentication, but Clerk has pre-built, customizable components to use in your app too.

[Continue to the Next.js guide](#)



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