

Using App Router

Features available in /app

Getting Started

Installation

Project Structure

Building Your Application

Routing

Data Fetching

Rendering

Caching

Styling

Optimizing

Configuring

Deploying

Upgrading

API Reference

Components

File Conventions

Functions

next.config.js Options

create-next-app

Edge Runtime

Next.js CLI

Architecture

Accessibility

Fast Refresh



App Router > ... > Routing > Defining Routes

Defining Routes

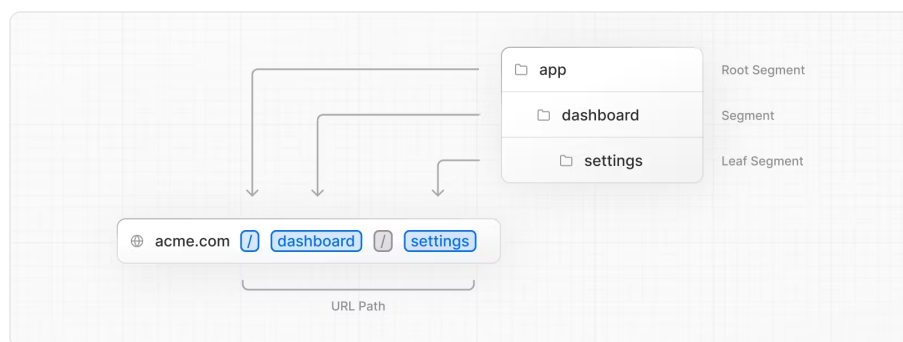
We recommend reading the [Routing Fundamentals](#) page before continuing.

This page will guide you through how to define and organize routes in your Next.js application.

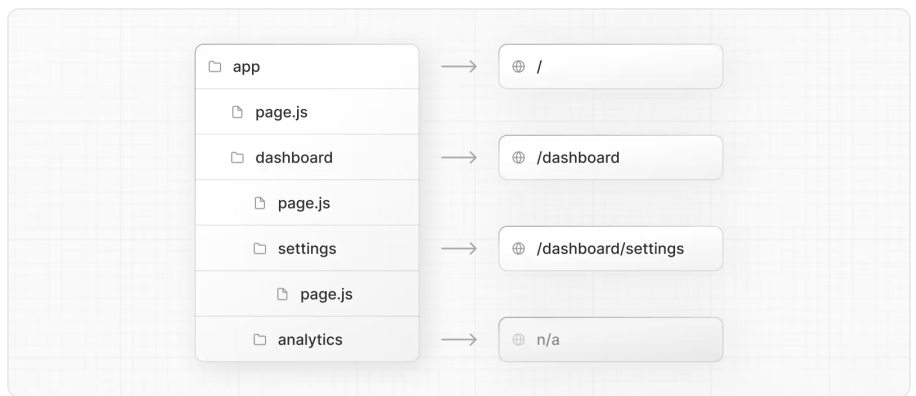
Creating Routes

Next.js uses a file-system based router where **folders** are used to define routes.

Each folder represents a [route segment](#) that maps to a **URL** segment. To create a [nested route](#), you can nest folders inside each other.



A special [page.js](#) file is used to make route segments publicly accessible.



In this example, the `/dashboard/analytics` URL path is *not* publicly accessible because it does not have a corresponding `page.js` file. This folder could be used to store components, stylesheets, images, or other colocated files.

Good to know: `.js`, `.jsx`, or `.tsx` file extensions can be used for special files.

Creating UI

[Special file conventions](#) are used to create UI for each route segment. The most common are [pages](#) to show UI unique to a route, and [layouts](#) to show UI that is shared across multiple routes.

For example, to create your first page, add a `page.js` file inside the `app` directory and export a React component:

TS app/page.tsx

```
1 export default function Page() {
2   return <h1>Hello, Next.js!</h1>
3 }
```

Next Steps

Learn more about creating pages and layouts.

App Router > ... > Routing

Pages and Layouts

Create your first page and shared layout with the App Router.

Previous

< Routing

Next

Pages and Layouts >

Was this helpful?



Resources

More

About Vercel

Legal

Subscribe to our newsletter

Docs

Commerce

Next.js + Vercel

Privacy Policy

Stay updated on new releases and features, guides, and case studies.

Learn

Contact Sales

Open Source Software

Cookie Preferences

you@domain.com

Subscribe

Showcase

GitHub

GitHub

Blog

Releases

Twitter

Analytics

Telemetry

Next.js Conf

Previews

© 2023 Vercel, Inc.

