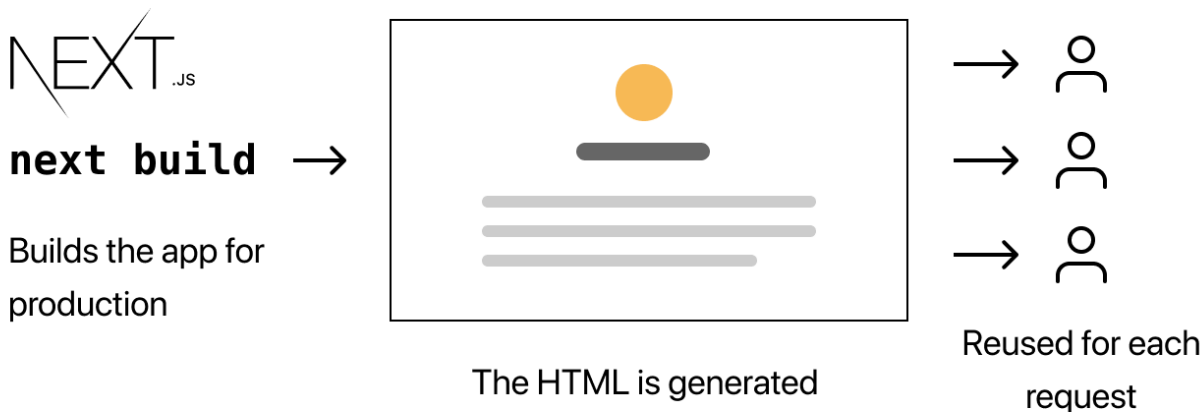


SSG - Static Site Generation

Static Generation

The HTML is generated at **build-time** and is reused for each request.



Source: [Two forms of Pre-rendering | NextJS Learn](#)

AGENDA

1. Overview
2. Static HTML generation
3. Static HTML + JSON Data

1. Overview

Export a function at Page level to indicate the form of re-rendering.

#	Name	Use
1	Static HTML Generation	N/A
2	Static HTML + JSON Data	getStaticProps
3	Static HTML + JSON Data + Dynamic Routes	getStaticProps + getStaticPaths

- Your page **content** depends on external data: Use **getStaticProps**.
- Your page **paths** depend on external data: Use **getStaticPaths** (usually in addition to getStaticProps)

Source: <https://nextjs.org/docs/basic-features/pages>

When should I use Static Generation?

- Marketing pages
- Blog posts
- E-commerce product listings
- Help and documentation

2. Static HTML generation

- No need to export any function `getStaticProps` or `getStaticPaths`.
- The HTML will be generated at build time.

```
export default function AboutPage() {  
  return <div>About Page</div>  
}
```

3. Static HTML + JSON Data

`getStaticProps`

- Should export from a Page.
- Can't use with `getServerSideProps()`
- Only run on build time (server side)
- Run on every request in dev mode

More details: <https://nextjs.org/docs/basic-features/data-fetching#getstaticprops-static-generation>

```
interface Post {  
  id: string;  
  title: string;  
}  
  
interface PageProps {  
  post: Post;  
}  
  
export default function PostDetailPage({ post }: PageProps) {  
  const router = useRouter()  
  
  return (  
    <div>  
      <h1>Post Page</h1>  
  
      <p>{post.id}</p>  
      <p>{post.title}</p>  
    </div>  
  )  
}
```

```
export const getStaticProps: GetStaticProps<PageProps> = async () => {
  await new Promise((resolve) => setTimeout(resolve, 5000))

  return {
    props: {
      post: {
        id: '123-abc',
        title: 'Learn NextJS'
      }
    },
  }
}
```

Tham khảo

- <https://nextjs.org/docs/basic-features/pages>
- <https://nextjs.org/docs/basic-features/data-fetching#getstaticprops-static-generation>

Series - NextJS + Typescript 🎉

- Tác giả: **Hậu Nguyễn**
- Được phát hành trên kênh youtube **Easy Frontend**.
- Tài liệu pdf và videos đều có bản quyền thuộc về Easy Frontend.
- Videos được phát hành cho fan cứng trước, public sau.
- [Đăng ký fan cứng](#) để xem series này đầy đủ và sớm nhất nhé.

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