# **Module Not Found**

#### **Why This Error Occurred**

A module not found error can occur for many different reasons:

- The module you're trying to import is not installed in your dependencies
- The module you're trying to import is in a different directory
- The module you're trying to import has a different casing
- The module you're trying to import uses Node.js specific modules, for example dns , outside of
  getStaticProps / getStaticPaths / getServerSideProps

#### Possible Ways to Fix It

# The module you're trying to import is not installed in your dependencies

When importing a module from npm this module has to be installed locally.

For example when importing the swr package:

```
import useSWR from 'swr'
```

The swr module has to be installed using a package manager.

- When using npm: npm install swr
- When using yarn : yarn add swr

# The module you're trying to import is in a different directory

Make sure that the path you're importing refers to the right directory and file.

### The module you're trying to import has a different casing

Make sure the casing of the file is correct.

# Example:

```
// components/MyComponent.js
export default function MyComponent() {
  return <h1>Hello</h1>
}
```

```
// pages/index.js
// Note how `components/MyComponent` exists but `Mycomponent` without the capital
`c` is imported
import MyComponent from '../components/Mycomponent'
```

Incorrect casing will lead to build failures on case-sensitive environments like most Linux-based continuous integration and can cause issues with Fast Refresh.

# The module you're trying to import uses Node.js specific modules

getStaticProps , getStaticPaths , and getServerSideProps allow for using modules that can only run in the Node.js environment. This allows you to do direct database queries or reading data from Redis to name a few examples.

The tree shaking only runs on top level pages, so it can't be relied on in separate React components.

You can verify the tree shaking on next-code-elimination.vercel.app.

Example of correctly tree shaken code:

```
// lib/redis.js
import Redis from 'ioredis'

const redis = new Redis(process.env.REDIS_URL)

export default redis
```

```
// pages/index.js
import redis from '../lib/redis'

export async function getStaticProps() {
  const message = await redis.get('message')
  return {
    message,
  }
}

export default function Home({ message }) {
  return <hl>{message}</hl>}
}
```

#### Example of code that would break:

```
// lib/redis.js
import Redis from 'ioredis'

const redis = new Redis(process.env.REDIS_URL)

export default redis
```

```
setMessage(result)
})
}, [])
return <h1>{message}</h1>
}
```

#### Example of code that would break:

```
// lib/redis.js
import Redis from 'ioredis'

// Modules that hold Node.js-only code can't also export React components
// Tree shaking of getStaticProps/getStaticPaths/getServerSideProps is ran only on
page files
const redis = new Redis(process.env.REDIS_URL)

export function MyComponent() {
   return <h1>Hello</h1>
}

export default redis
```

```
// pages/index.js
// In practice you'll want to refactor the `MyComponent` to be a separate file so
that tree shaking ensures that specific import is not included for the browser
compilation
import redis, { MyComponent } from '../lib/redis'

export async function getStaticProps() {
  const message = await redis.get('message')
  return {
    message,
  }
}

export default function Home() {
  return <MyComponent />
}
```