



What's new in JSS 16.0

Let's look at what's coming up in the new JSS 16.0 and the Headless Rendering Suite

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- Started at Sitecore in January
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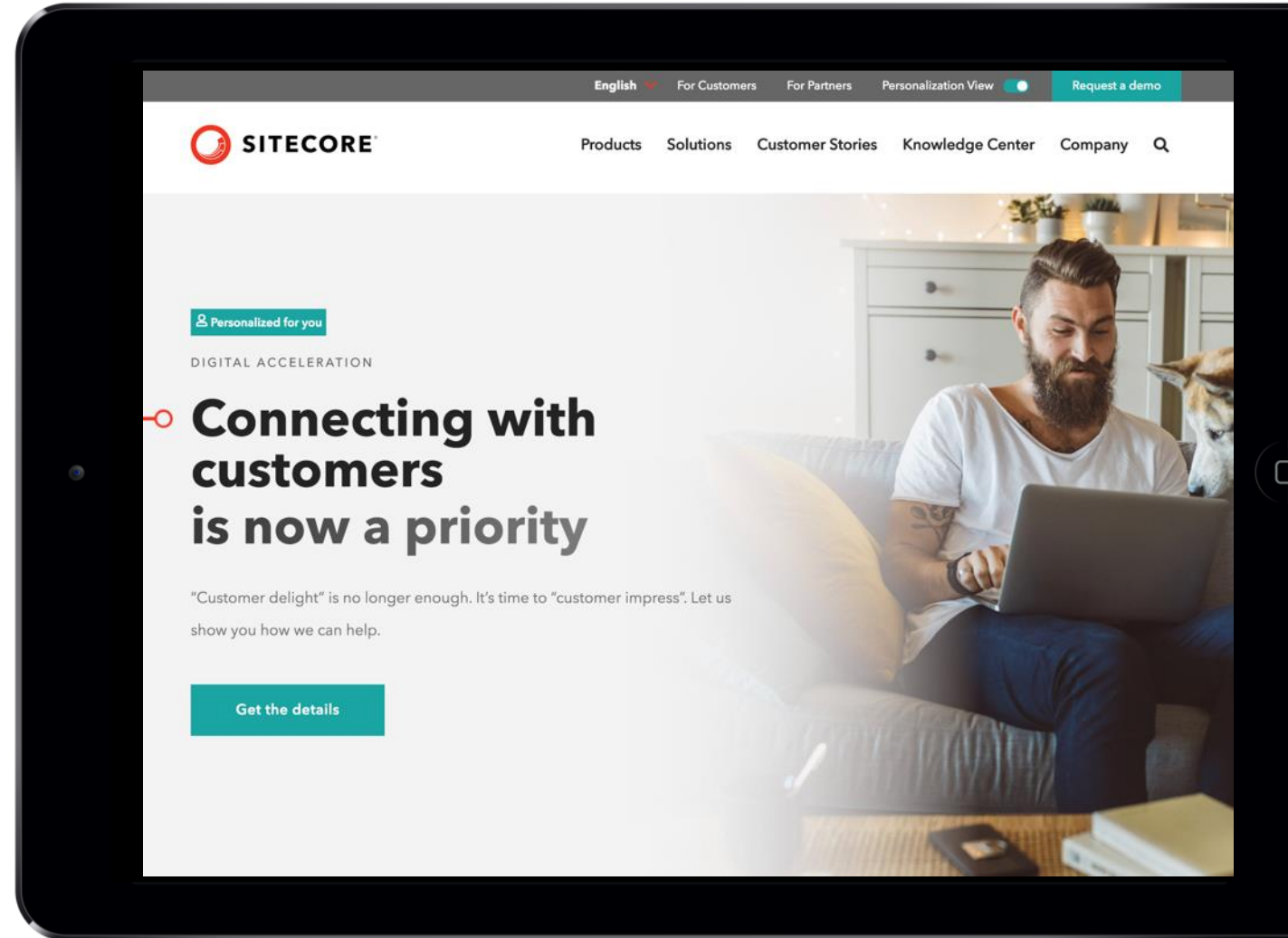
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Agenda

- 01** The Headless suite
- 02** Improvements in 16.0
- 03** Jamstack & the BIG new addition
- 04** Where to learn more
- 05** Questions

Headless Rendering Suite

- JSS 16.0
- ASP.NET 16.0
- Headless Module 16.0





Sitecore Headless Services module rename

(formerly known as the
Sitecore JavaScript
Services Server module)



New GraphQL schema available

- Allows for advanced content search capabilities
- Less logic in the C# or frontend side, your queries can now contain the logic, only getting the data you really want





Next.js support in JSS 16.0



Why have we added support for Next.js

The **need** for **speed**.





JavaScript

Dynamic functionalities are handled by JavaScript. There is no restriction on which framework or library you must use.



APIs

Server-side operations are abstracted into reusable APIs and accessed over HTTPS with JavaScript. These can be third party services or your custom function.



Markup

Websites are served as static HTML files. These can be generated from source files, such as Markdown, using a Static Site Generator.

J

A

M

“Jamstack” is **not an actual tech stack** that describes implementation technology

It’s a high-level classification of an **architectural approach.**

Jamstack anchors

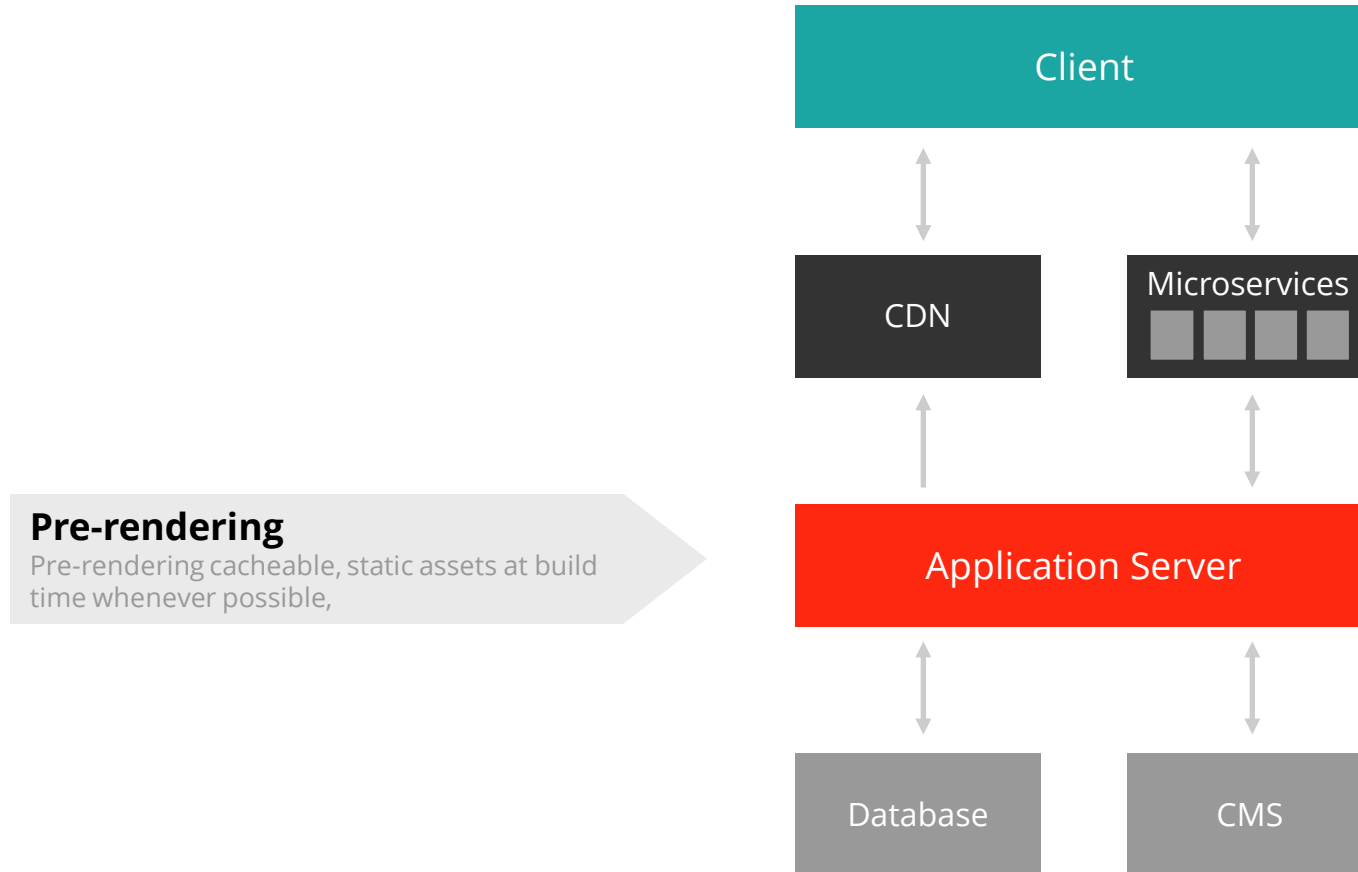
Pre-rendering

Fast delivery

Rehydration

Motivation behind Next.js support

Jamstack



Pre-rendering

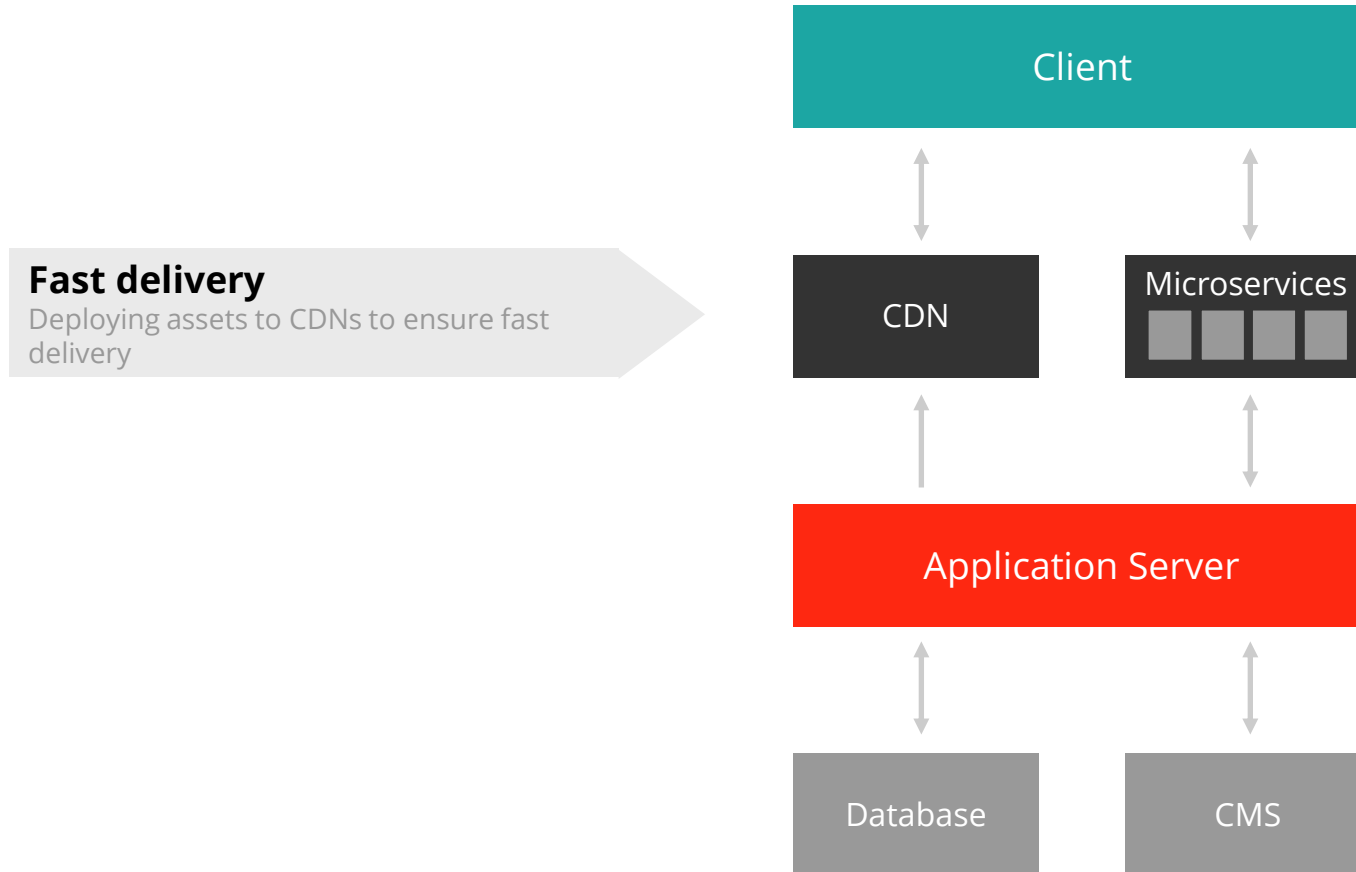
Pre-rendering cacheable, static assets at build time whenever possible,

Jamstack anchors:

- Pre-rendering
- Fast delivery
- Rehydration

Motivation behind Next.js support

Jamstack



Fast delivery

Deploying assets to CDNs to ensure fast delivery

Jamstack anchors:

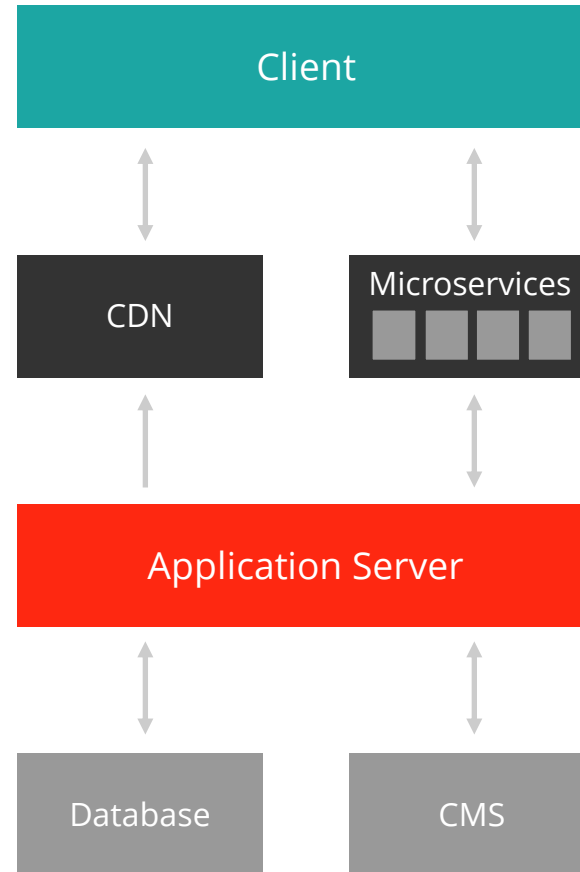
- Pre-rendering
- **Fast delivery**
- Rehydration

Motivation behind Next.js support

Jamstack

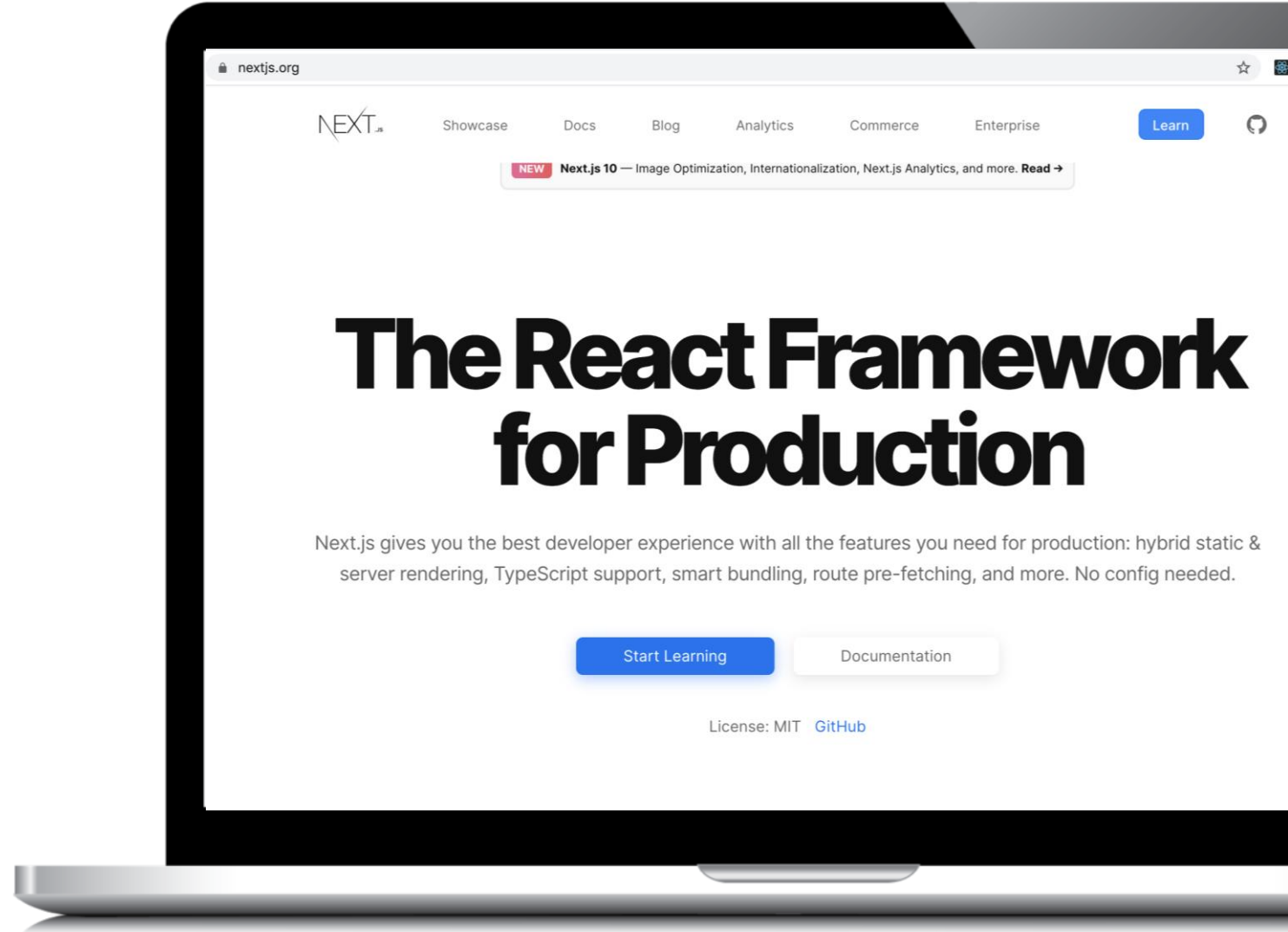
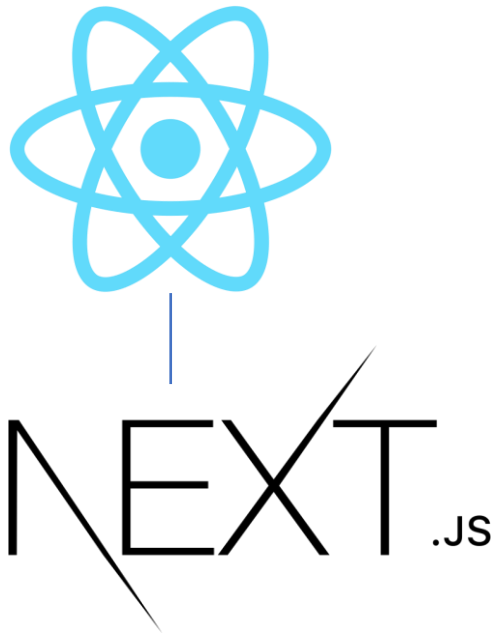
Rehydration

Supporting dynamic functionality client side by fetching dynamic data as needed

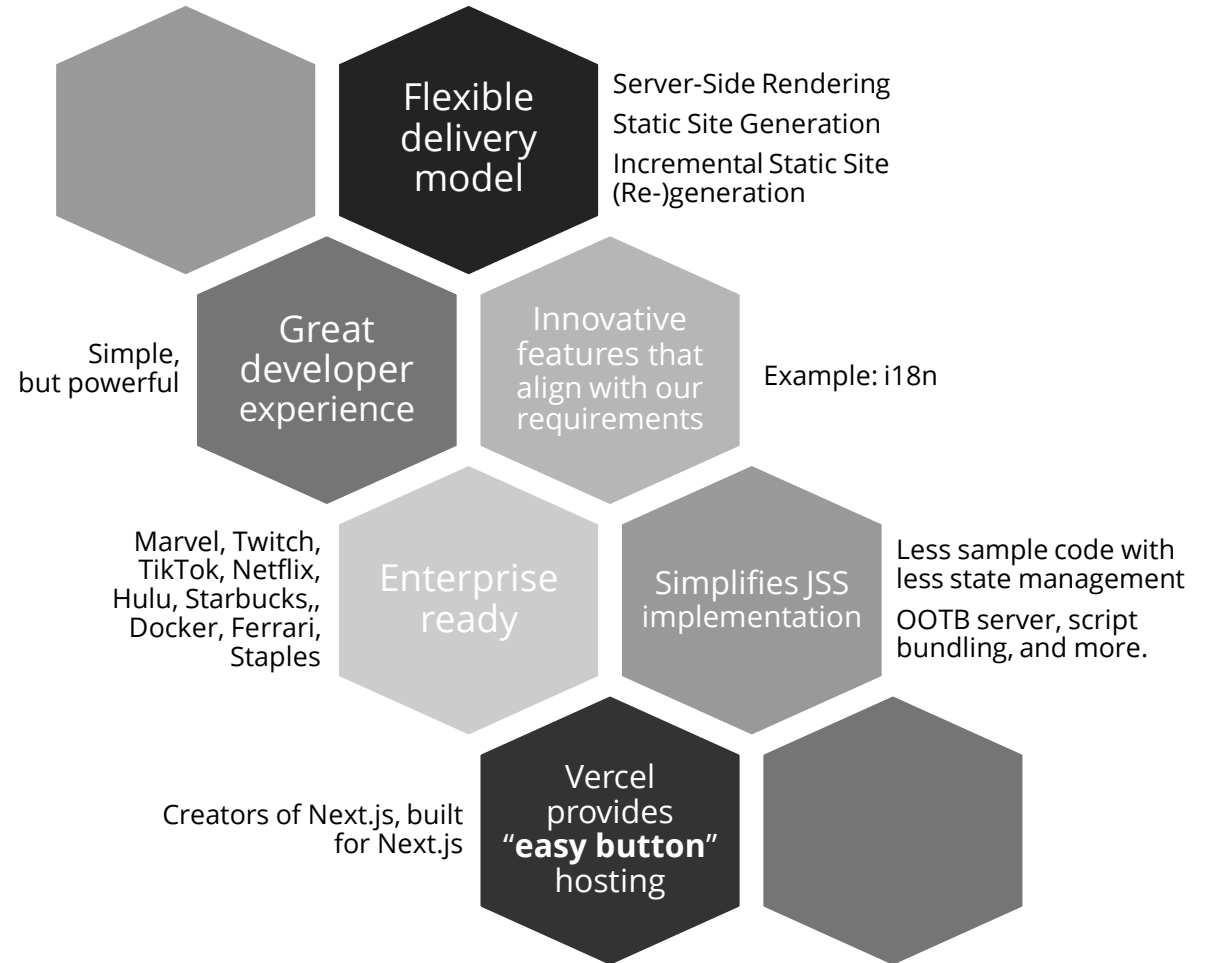
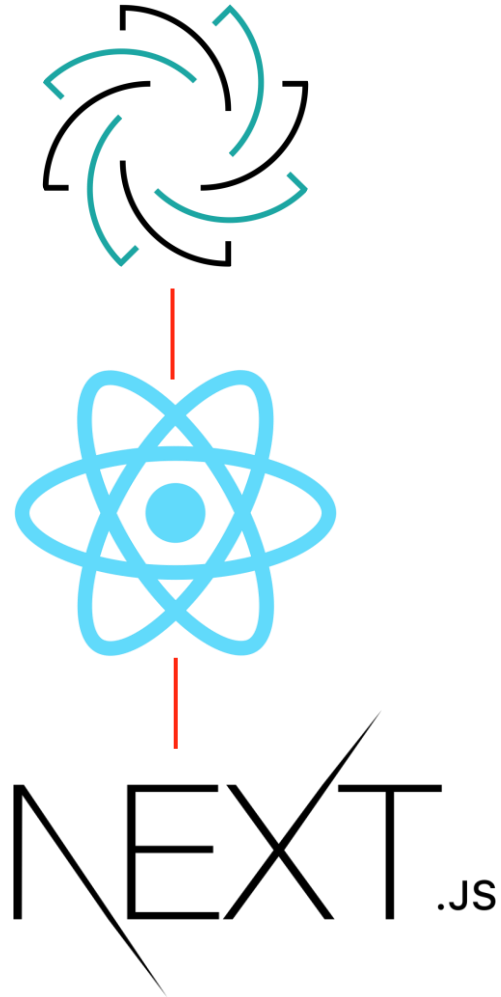


Jamstack anchors:

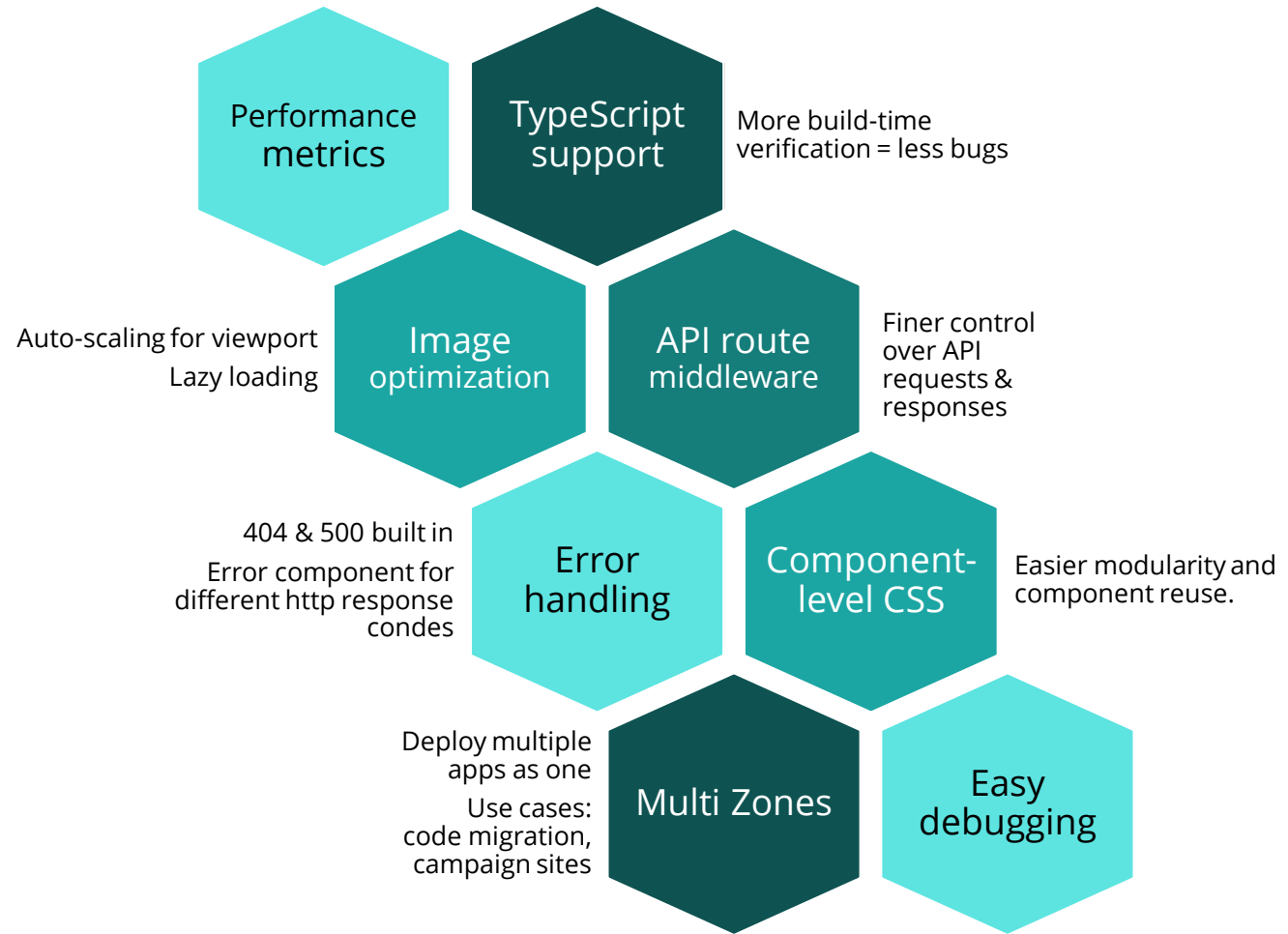
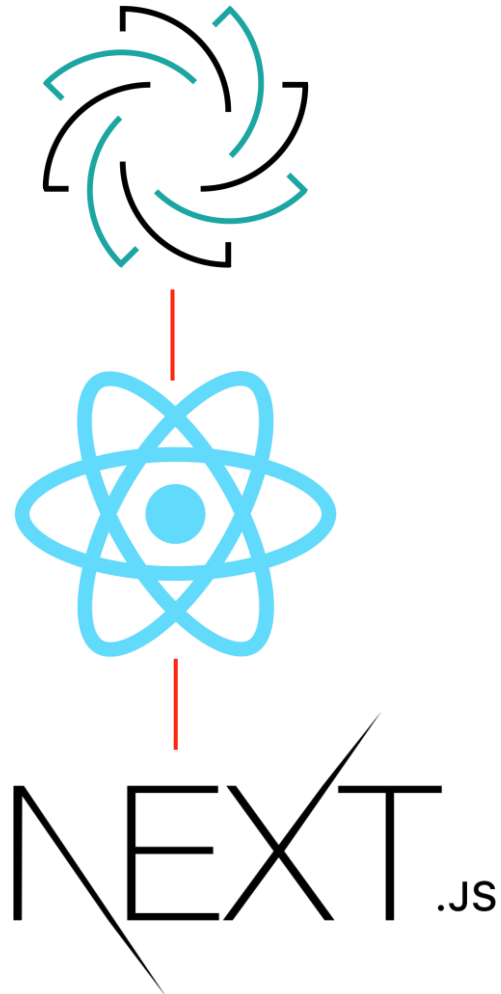
- Pre-rendering
- Fast delivery
- **Rehydration**



Next.js Advantages



Next.js Advantages



Server-Side Rendering

getServerSideProps

Fetch data on
each request

getInitialProps

Pre-render a
base version of
an **SSR page**

Static Generation

getStaticProps

Fetch data at
build time

getStaticPaths

Pre-render
dynamic routes
based on data

Next integration with Sitecore Experience Edge for Content Hub

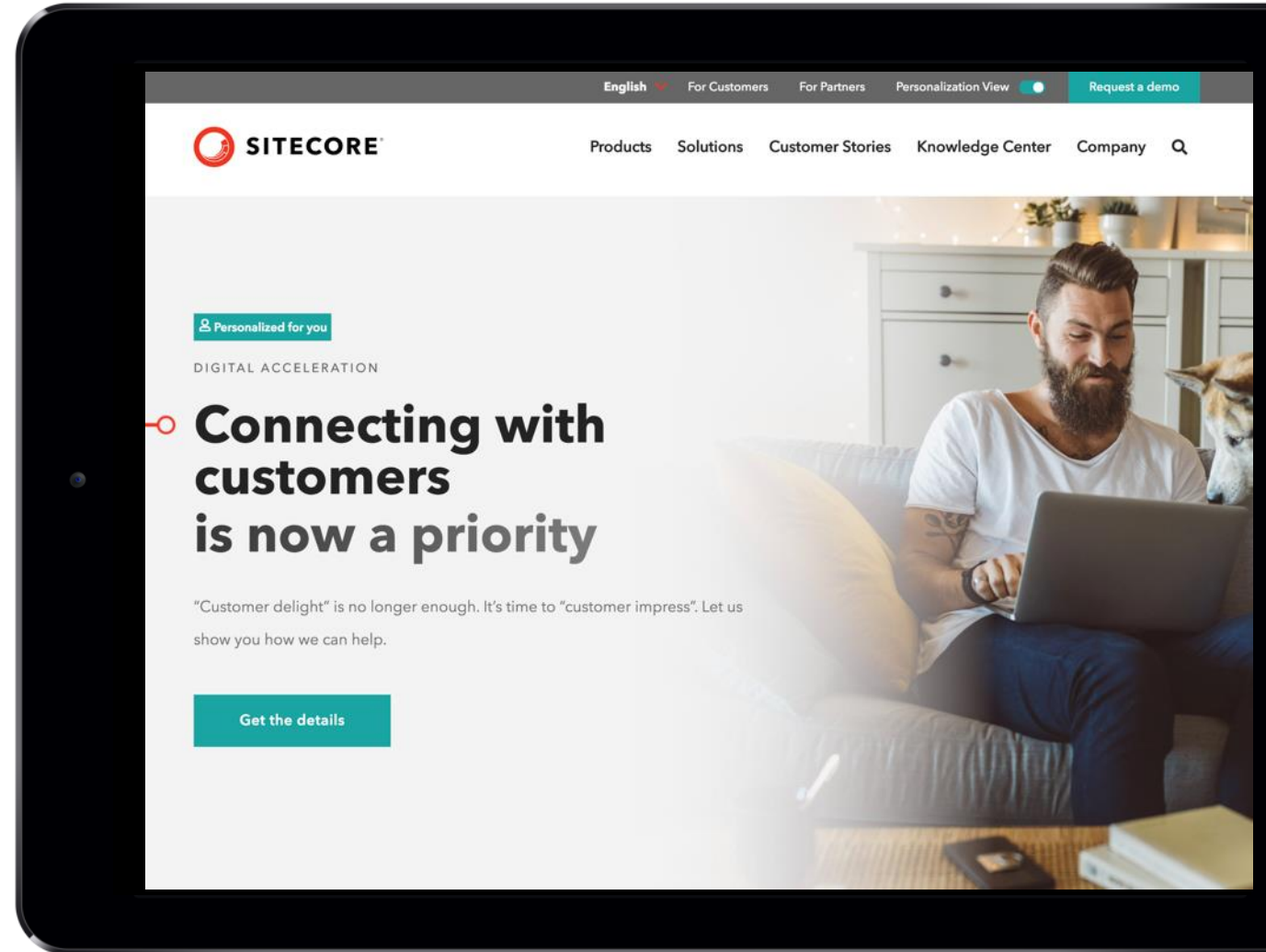


Headless Rendering Suite 16.0 Release

Jamstack

- Pre-rendering
- Fast delivery
- Rehydration

Next.js in 16.0



Learning Resources

- <https://jss.sitecore.com/>
- <https://nextjs.org/>
- [Headless Content Delivery with Edge](#)
- [16.0 Release Notes](#)
- [Sitecore XP 10.1](#)





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Questions?

