sitecore
Own the experience
JSS
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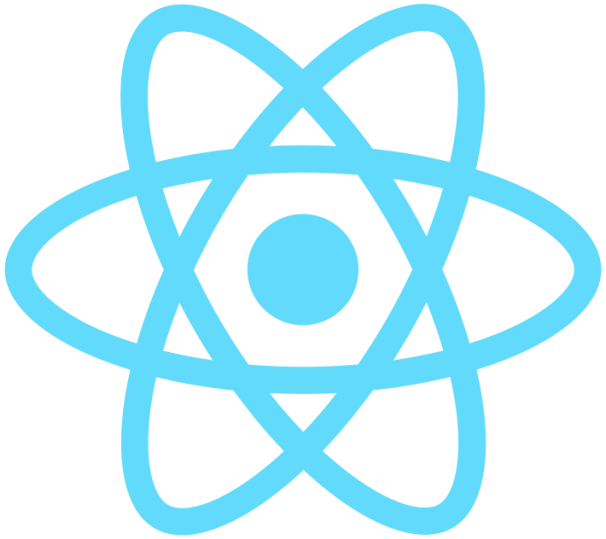
What is JSS?

- JavaScript SDK for Sitecore
- Popular JavaScript frameworks are supported



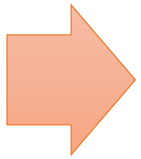
Why JSS?

- Speed up development of ***modules***
- Backend developers don't need to copy/paste HTML into .cshtml, use JSS rendering instead
- Start the development in ***Disconnected Mode***
  - Frontend developers can start develop with JSS without installing Sitecore
  - At a later point they can ***import*** their JSS components into Sitecore
  - Time to switch to ***Connected Mode***

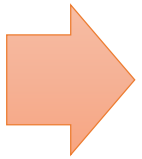
Development flow

Code first

Start frontend development in ***Disconnected Mode***



Import JSS components into Sitecore



Switch to ***Connected Mode (Headless or Integrated)***

Code first

- Good for early prototyping
- Does NOT need running Sitecore instance for development
- Later it can be imported once into Sitecore
- Application mode: Disconnected dev

```
$ jss deploy app --includeContent –includeDictionary
```

Development flow

Sitecore first

Start frontend development in ***Connected Mode***

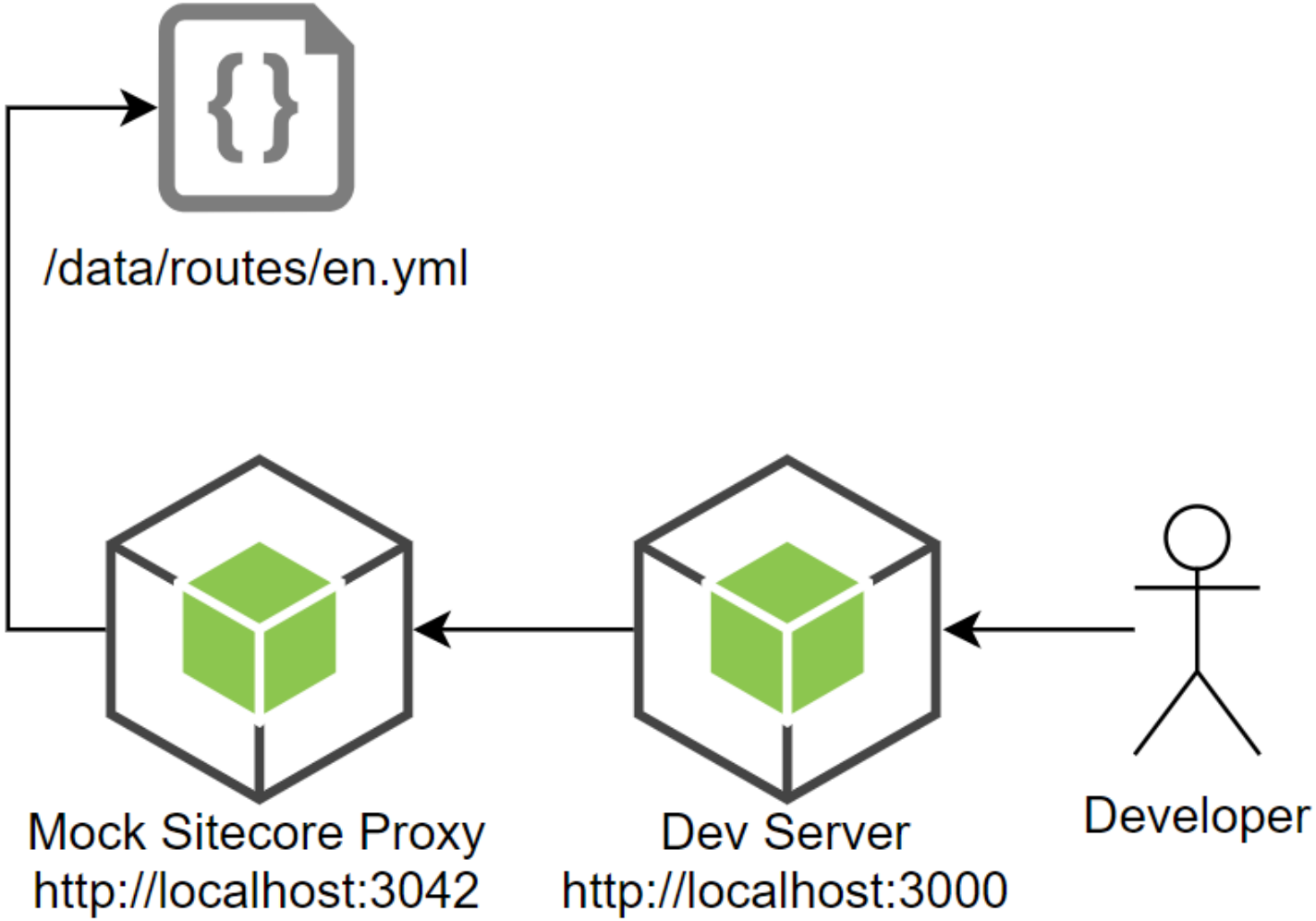
Sitecore first

- The way for experienced Sitecore developers
- The data (templates, items etc.) comes from a Sitecore instance
- Application mode: Connected dev or Integrated

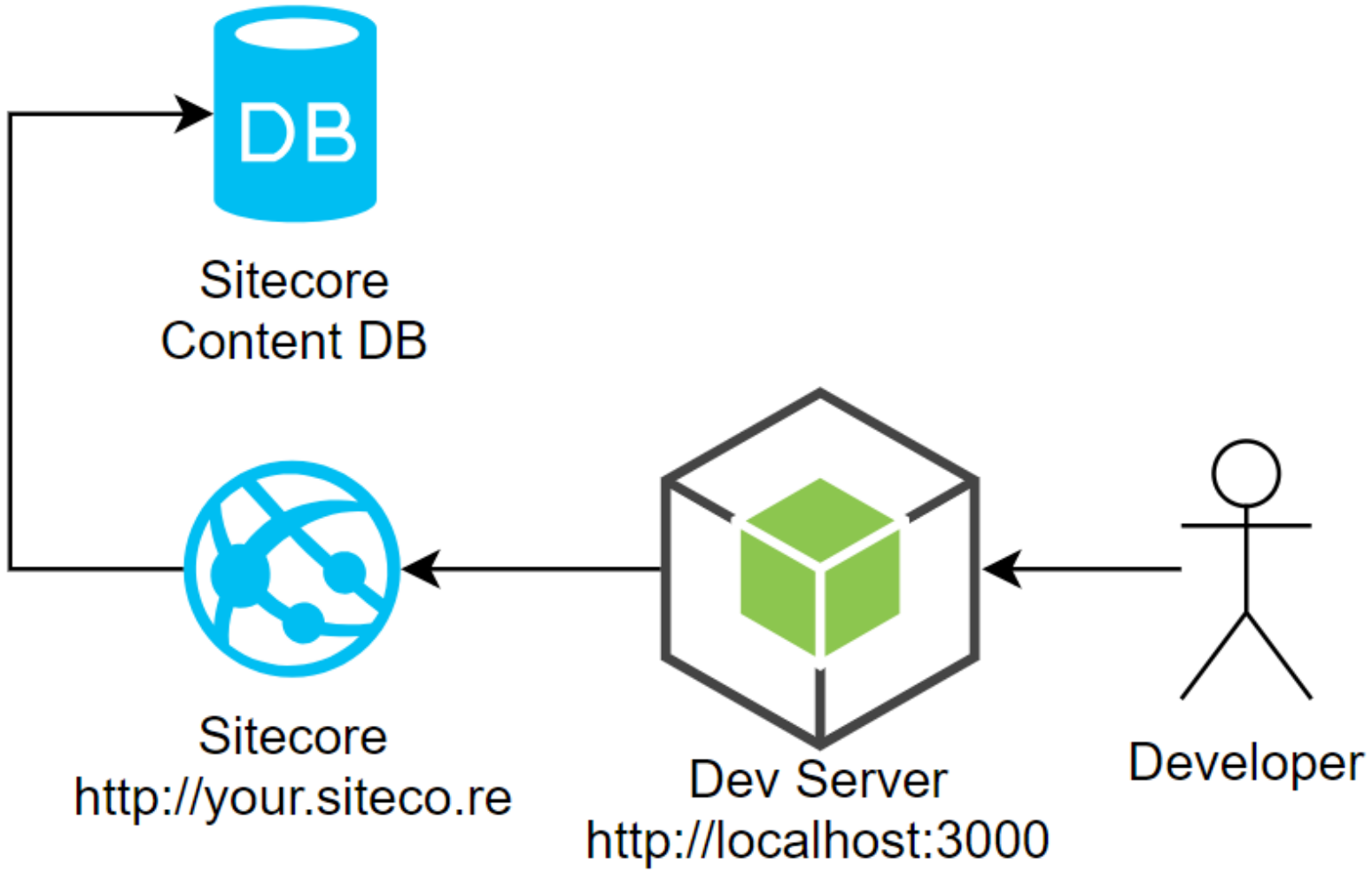
More about application modes

- For development
  - Disconnected
  - Connected
  - Integrated
- For production
  - Integrated
  - Headless server-side rendering
  - (API-Only)

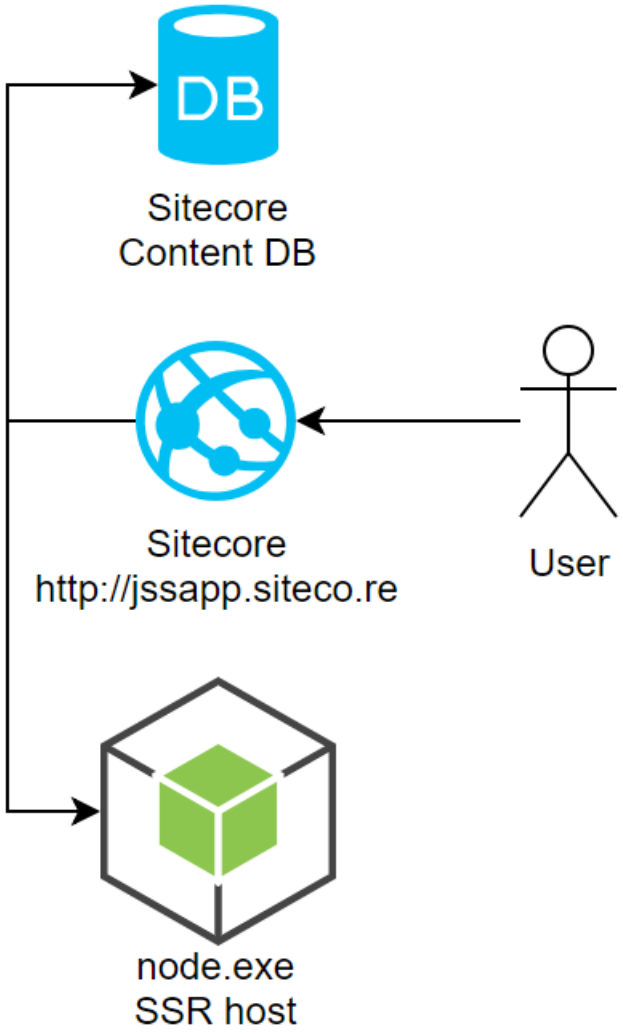
Disconnected developer mode



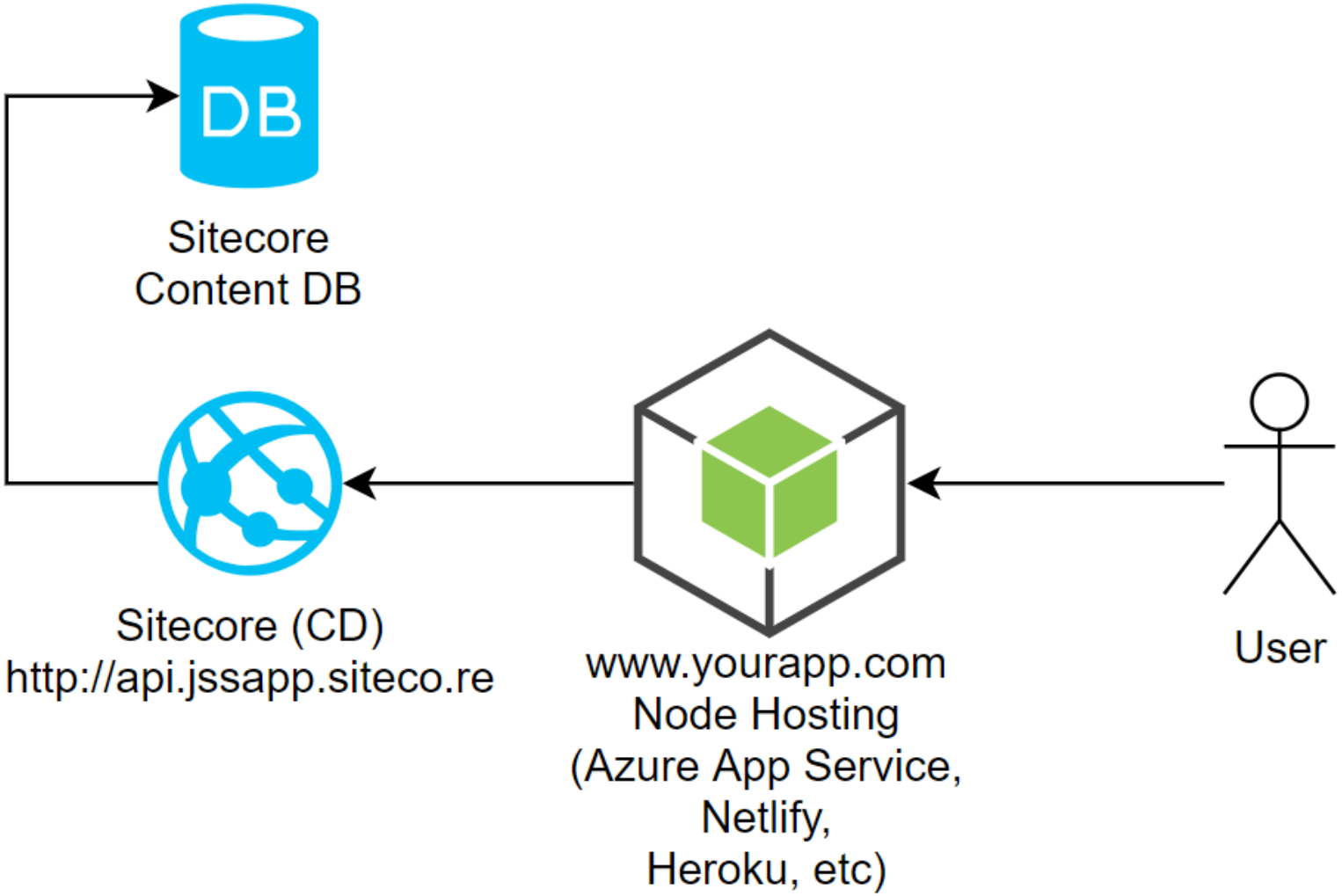
Connected developer mode



Integrated mode



Headless server side-rendering mode



Okay, but does it XP?

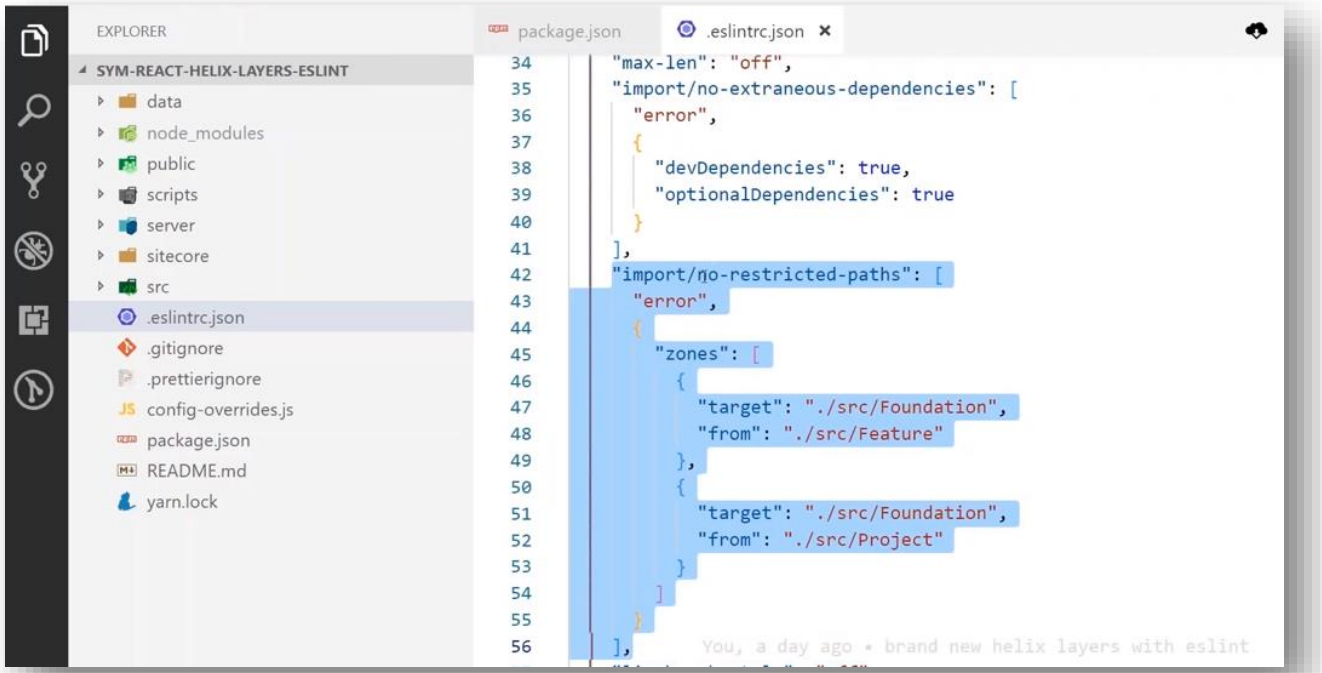
YES

Features what JSS brings besides SDK

- Layout Service: decouples content from renderings
- Dictionary Service: decouples dictionary from renderings
- GraphQL: the way to query the items in ***Headless*** mode

JSS and Helix

- By Jean-François L'Heureux
- Restructured JSS sample application
- ESLint configuration to validate layer dependencies



Demo

```
$ npm install -g @sitecore-jss/sitecore-jss-cli
$ jss create my-first-jss-app react
$ cd my-first-jss-app
$ jss start
```

Sources

- PowerPoint template by @jammykam
- Official Helix documentation: https://jss.sitecore.net/
- Jean-François L'Heureux - Helix and JavaScript Services (https://www.jflh.ca/2018-10-13-helix-and-sitecore-javascript-services)
- Alex Shyba - Experience the development workflow of your dreams with modern JavaScript and Sitecore JSS
- Kam Figy, Adam Weber – JSS In Powerful Ways

Thank you!

Join and find me on twitter, sitecore.stackexchange, github and Sitecore community slack channel: **@trnktms**

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