



Decoupled D8 Applications :

Choose your frontend framework wisely.

Taher Jodhpurwala

About Me

Taher Jodhpurwala

Drupal Engineer at Axelerant

Twitter : [@devtaher](#)

Github : github.com/taherj

Drupal.org : <https://www.drupal.org/u/taherj>

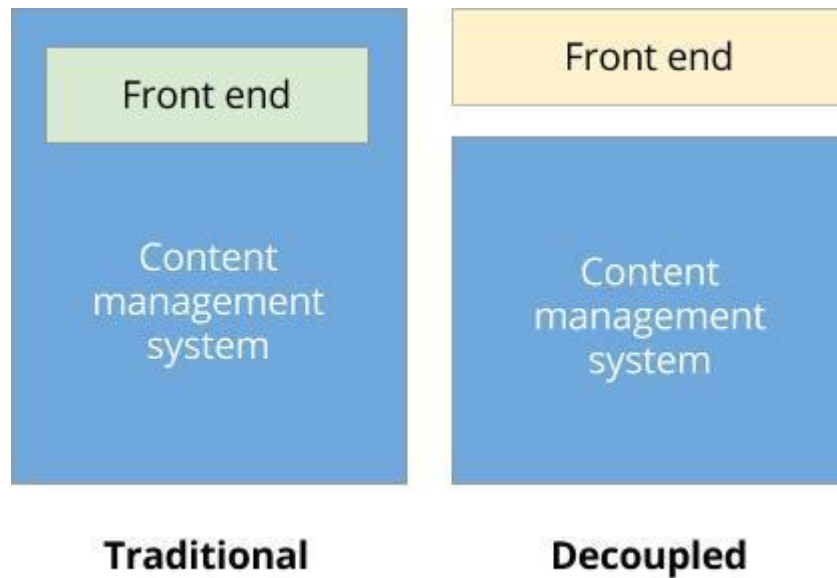
What will we cover?

1. Decoupled Applications.
2. Frontend frameworks/libraries - What?
 - a. Angular
 - b. React
 - c. Vue
3. How can we plug and play VAR with Drupal 8.
4. Brief demo of a Decoupled D8 Application.
5. How to select frontend frameworks?

Decoupled D8 Applications



Decoupled D8 Application - What?

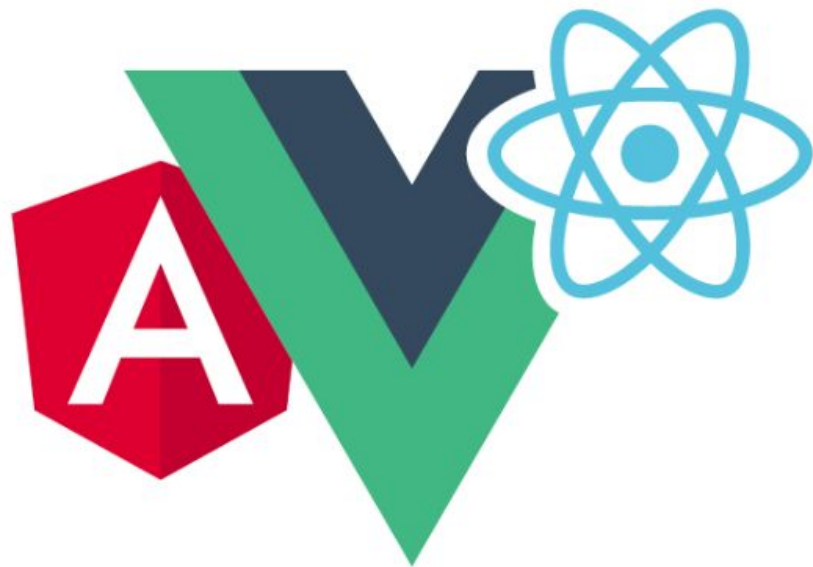


Fully Decoupled D8 Application -Why?

- API driven.
- Write once, Publish Everywhere
- Experience management.
- Constant Evolution.
- Right tool for the right job.
- Drupal updates/upgrades are easier.

Frontend Frameworks/ Libraries

Angular, React, Vue



Angular - What?

AngularJS is a structural framework for dynamic web apps.

Key features :

- Cross Platform - Progressive Web Apps, Native, Desktop
- Speed and performance - Code Generation, Universal
- Productivity - Templates, Angular CLI, IDEs.
- Full Development story - Testing, Animation, Accessibility

Learn More : <https://angular.io>

React - What?

A Javascript Library for building user interfaces.

Key features :

- Declarative - Interactive UI , DOM Manipulations on the Fly
- Component-Based - Encapsulated Components, Complex UI
- Learn Once, Write Anywhere - Don't Re-write, Re-Use

Learn more at : <https://facebook.github.io/react/>

Vue - What?

A Javascript Library for building user interfaces.

Key features :

- Approachable
- Versatile
- Performant

Learn more at <https://vuejs.org/v2/guide/>

Decoupled D8 Application - How?

- Create a backend API
 - REST - drush en -y rest hal serialization
 - JSON - drush en -y json
- Enable Cross Origin Resource Sharing - sites/default/services.yml

```
# Configure Cross-Site HTTP requests (CORS).
# Read https://developer.mozilla.org/en-US/docs/Web/HTTP/Access_control_CORS
# for more information about the topic in general.
# Note: By default the configuration is disabled.
cors.config:
  enabled: true
  # Specify allowed headers, like 'x-allowed-header'.
  allowedHeaders: ['x-csrf-token, authorization, content-type, accept, origin, x-requested-with']
  # Specify allowed request methods, specify ['*'] to allow all possible ones.
  allowedMethods: ['*']
  # Configure requests allowed from specific origins.
  allowedOrigins: ['*']
  # Sets the Access-Control-Expose-Headers header.
  exposedHeaders: false
  # Sets the Access-Control-Max-Age header.
  maxAge: false
  # Sets the Access-Control-Allow-Credentials header.
  supportsCredentials: false
```

Demo

<https://github.com/taherj/d8vue>

How to select a frontend framework?

- Ask right questions to client.
- Include FE and BE.
- Refine down the requirements - For Eg
 - Evaluate whether API based approach is required?
 - Critical to be performant?
 - Technology stack knowledge of dev teams.

Questions?

Thank You!