

# Building a Virtual Conference for 100,000 attendees in 10 weeks, using Drupal + Vue





# Please abide by our Code of Conduct

- + All attendees, speakers, sponsors, and volunteers at our conference are required to agree with the our code of conduct. We do not tolerate harassment of conference participants in any form.



# Code of Conduct Contacts

- + #florida Drupal Slack channel
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# Building a Virtual Conference for 100,000 attendees in 10 weeks, using Drupal + Vue



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Project Manager



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Senior Front-End Developer





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# Let's get started



# What were we asked to build.



# Overview

What we hope to cover today



## Project Management concepts

- + Coordinating with multiple vendors on tight deadlines
- + Managing 5 internal teams
- + Implementing Risks and Decision Log

# Team Formation





## Organizing the team

- + 20 teammates
- + Divide into 5 teams
- + Prepare for change

**Tools that helped us**



# Risk and Decision Log

- + What is it?
- + Why did we decide to use it?

# Decision Log

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A	B	C	D	E
Confirmed	When was the decision made?	What is the pending decision or the decision we have landed on?	Priority level	Who made the decision?
				<i>Team, Individual, Committee</i>
<input type="checkbox"/>	2/16/2021	Should we support IE 11?	High ▼	Individual
<input type="checkbox"/>			▼	
<input type="checkbox"/>			▼	
<input type="checkbox"/>			▼	
<input type="checkbox"/>			▼	
<input type="checkbox"/>			▼	
<input type="checkbox"/>			▼	
<input type="checkbox"/>			▼	
<input type="checkbox"/>			▼	

# Decision Log

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F	G	H	I
Assigned Decision Maker	Date decision needed by	Details	Impact of decision
Tom	2/23/2021	IE 11 is only used by 3% of the users.	This decision impacts the scope and timeline for this project. Supporting IE will add 50 hours of additional development.

# Risk Log



A	B	C	D	E
<b>Risk Log</b>				
<b>Confirmed</b>	<b>When was the risk logged?</b>	<b>Risk Category</b>	<b>What is the Risk?</b>	<b>Impact</b>
		<i>Technical Complexity, Scope, Timeline</i>	<i>This is a statement that follows the format: If (event), then (consequence).</i>	<i>Significance of the event</i>
<input type="checkbox"/>	2/16/2021	Technical Complexity ▾	If we do not receive API access then the project can not be completed.	High ▾
<input type="checkbox"/>				▾
<input type="checkbox"/>				▾
<input type="checkbox"/>				▾
<input type="checkbox"/>				▾
<input type="checkbox"/>				▾
<input type="checkbox"/>				▾
<input type="checkbox"/>				▾
<input type="checkbox"/>				▾



# Overview

What we hope to cover today



## Engineering concepts

- + Why Vue.js and how it helped with performance and privacy
- + Utilizing Drupal to overcome 3rd party API shortcomings
- + Performance measurements, scalability





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# Technical Challenges



# Technical Challenges

- + Performance
- + Privacy
- + Content coming from 3rd party





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# Why Vue.js?



# Vue.js

- + Drupal blocks provide by `pdb_vue`



# Vue.js

+ Performance + Privacy

Drupal - anonymous users only

Vue taking care of authorization



# Vue.js

+ **ItemsJS** - search engine + facets in javascript

<https://github.com/itemsapi/itemsjs>



# Vue.js

+ Easy to learn

```

Hello.vue
<template>
  <p>{{ greeting }} World!</p>
</template>

<script>
  module.exports = {
    data: function () {
      return {
        greeting: 'Hello'
      }
    }
  }
</script>

<style scoped>
  p {
    font-size: 2em;
    text-align: center;
  }
</style>

```

Line 21, Column 1      Spaces: 2      Vue Component





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# Implementation



# Flow

- + User go to virtual conference website
- + Vue - Menu components  
loads first - is user authorized and the type of user
- + All other Vue components are displayed



# pdb\_vue

- + Creates blocks in Drupal
- + No code compilation needed
- + Add any additional javascript library needed



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# The Power of Drupal

Utilizing Drupal to overcome  
3rd party API shortcomings

# Learnings



# Improvements

- + Find out existing 3rd party API performance
- + Share components among different vue blocks
- + Web components

# Questions?



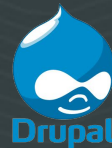
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**sjshaal**



**shaal**



# Contribution Day

## Saturday, February 20, 2021

### 12:00pm - 3:30pm

- + First-time contributor workshop
- + Mentored contribution
- + General contribution
- + #DrupalContributions





# Contribution Day

## Saturday, February 20, 2021

### 12:00pm - 3:30pm

#### Planned Workshops

- + First-time contributor workshop
- + Introduction to Merge Requests
- + Mentored Tooling

#### Planned Initiatives

- + Olivero Theme
- + SimplyTest
- + Drupal Recipes