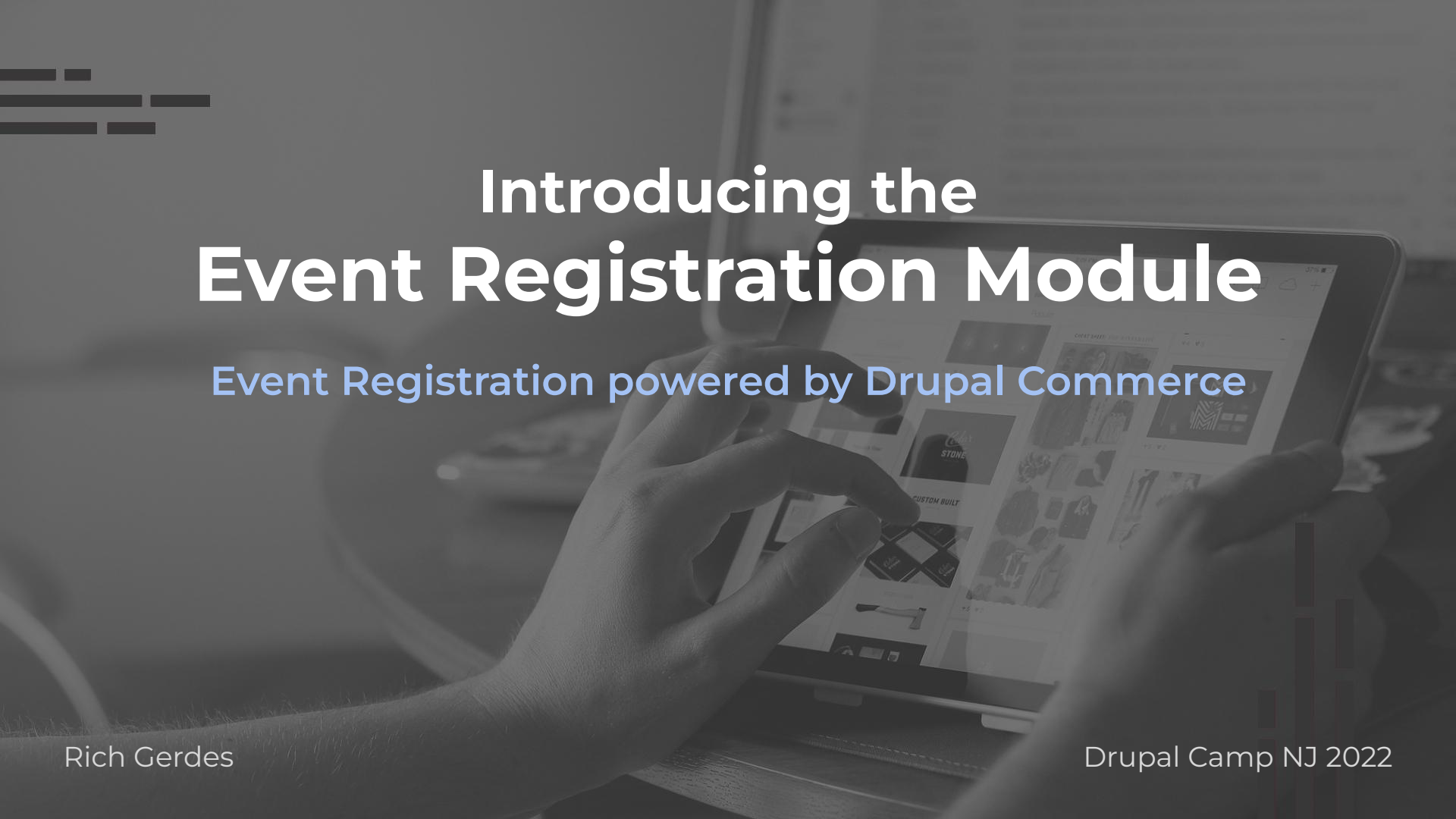

# Introducing the Event Registration Module

## Event Registration powered by Drupal Commerce

Rich Gerdes

Drupal Camp NJ 2022

# Rich Gerdes

## Lead Developer


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So....

# Event Registration

# New and Evolving Project

- Envisioned in 2021
- Planning in 2022
- Initial Dev work in April 2022
- We’re now in May 2022

# Objectives

- Provide a robust Event Registration system with Drupal
- Support ticket purchase through Drupal Commerce
  - Pricing, Carts, Information Collection during checkout
- Track Different Types of Attendees and Levels of Ticket
  - Individual Guests (Speakers and Attendees)
  - Group or Organization Registrations (Sponsoring Companies, Participating Clubs or Bands)
  - Variable costs for sponsor tiers or attendee program tracks
  - Early Registrations, Discounts, and Scholarships
- Handle Attendee Check-In and Reporting
  - Daily Attendee Check-In

# Use Cases

- Conferences
  - DrupalCon
  - Drupal Camps
- Classes or Trainings
- Concert or Performance Ticketing
  - Bands, Sports, etc
- Free or Paid Events

Motivation

# Drupal is for ambitious site builders.

As developers we need to build solutions not just solve problems.

# Why?

- 3 State Professional Associations/Societies
  - Approximately 50,000-60,000 members each
  - Responsible for professional certification and training
- Certification Credit requirements
  - Annual credit based certification
  - 1-3 credits per event
- 50-60 In-Person Events per year pre Covid
  - Trainings
  - Conferences and Summits
  - Career and Job Fairs for Students and Graduates
  - Around 1,000 attendees at larger events

# Requirements

- E-Commerce
  - Online Event Registration and Checkout
  - Integration with AMS/CRM Platform
  - Event Registration and On-Demand Modules
  - Discounts for members and students
- In Person and Virtual Trainings
  - Access to virtual event resources
  - Dynamic links to Online Events via E-Learning/Conferencing Platforms

# Existing Modules

Why rebuild the wheel
if we don’t have to?

# Events and Registrations

drupal.org/project/rng

- Provides Events and Registration Entities
- Event and Registration Types
- Attendee communication
- Registration Rules
- Group/Organization Registration

# Registration

drupal.org/project/registration

- Registering any Entities for events
- Access Control
- Wait Lists
- Views and UI

**Drupal 7 Only!!**

Commerce Integration Via

## Registration Commerce

drupal.org/project/registration_commerce

or

## Commerce Registration

drupal.org/project/commerce_registration

# Version 1

# How did we do it?

- Events and Registrations Module (rng)
  - Tracks Attendees
- Commerce Products for Events
  - Products used for Event
  - Variations used for Ticket Types and addon Sessions
- A TON of custom code
  - Logic required to create RNG Event registrations
  - Entities for Event Sessions informational pages
  - Access handlers for virtual event resources and information
  - Commerce Checkout Panes

# Did it work?

- Yes

# Did it work well?

- Not really.
- Commerce Integration wasn't perfect
  - A lot of custom code to maintain
  - Focused on specific use cases
- Heavy reliance on external data
  - Event Data synchronized with AMS and external LMS platforms
  - Major site features driven by AMS data instead of RNG
- Events and Registrations didn't meet our needs
  - No Commerce integration
  - Opinionated implementation
  - Lack of flexibility around group/organization registration

So....

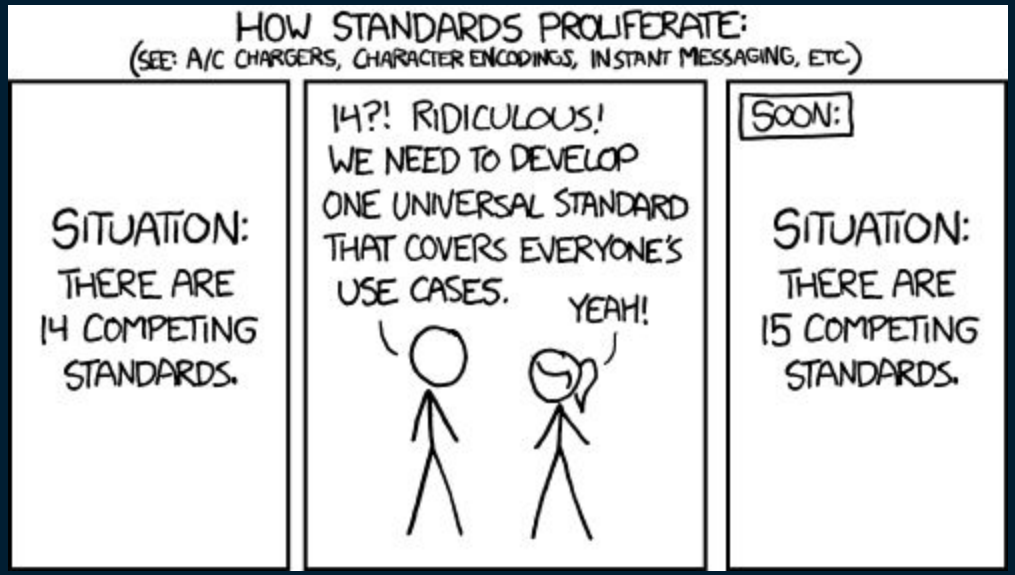
# Do you rework or rebuild?

# Factors

- Complexity of Integration complicated site functionality
  - Site data inconsistently displays information
  - Doesn’t completely meet our requirements
- Minimal reliance on RNG for key site features.
  - Site heavily leveraged AMS data instead of RNG Registrations
  - Moving away from RNG wouldn’t significantly affect the site functionality
- Budget

# If at first you don’t succeed…

# Let’s use something that already exists!



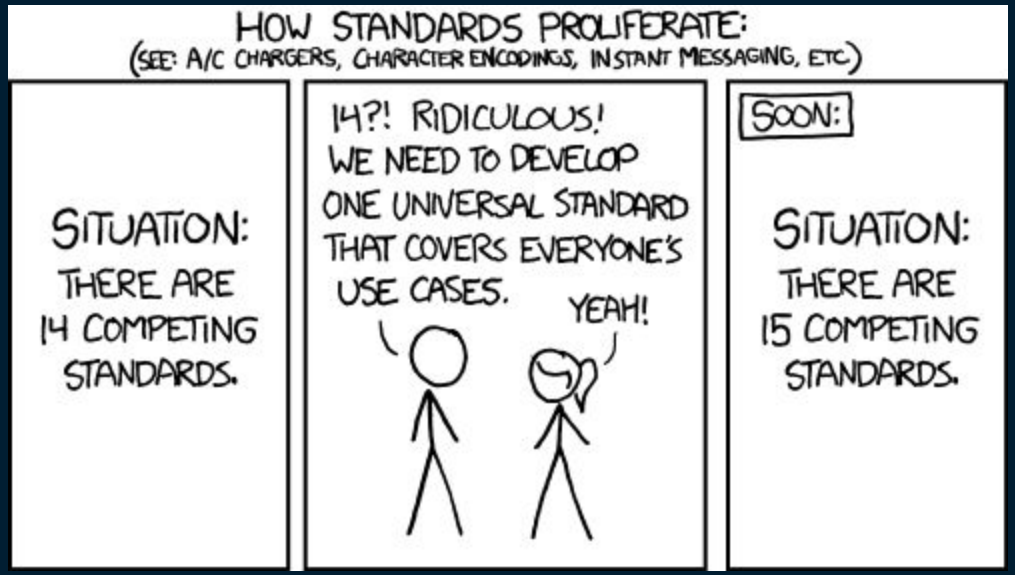

https://xkcd.com/927/

# Events Module

drupal.org/project/event

- Provides Event and Event types
  - Fieldable Event Entities
- Groups Integration
  - Availability of Event based on Group membership

# Let’s introduce a new module!




https://xkcd.com/927/

# Well... Two Actually

We need to handle...

- Registrations
  - Users
  - Organizations
  - Sponsors
  - Vendors
  - Volunteers
- Ticketing
  - Tickets Types
  - Prices
  - Orders and Payment
  - Attendee Information Collection during Checkout

# Event Registration

drupal.org/project/event_registration

- Registrations and Types
  - Who’s coming and What are they doing?
- Dynamic Entity Type References
  - Support Group/Organization Registration via Group module (or any other)
- Check-in and Attendance
- Reporting via Views
- Works without Commerce
  - Free Event registration or external payment management

# Event Tickets

drupal.org/project/event_ticket

- Commerce Support
  - Checkout, Carts, Orders, Prices
  - Checkout Pane to embed Registration Entity Information collection
- Tickets and Types
  - What are you getting access to
  - How much are you paying
- Extends/Manages Event Registrations
  - Generates event registrations during checkout
  - Addes ticket information and order information to registration entities

# Does it work well?

Hopefully?

# Where do we go now?

# Release the project

- Still in development
  - Code to be published on Drupal.org within the next few weeks
- Basic Feature Completeness
  - Registration and Ticket Entities
  - Checkout Process and Commerce Integration
  - Attendee Management and Check-In/Attendance

# Roadmap

- Summit Management
  - “Sub Events” for Summits and Trainings
  - Registration for Event and Summit together
- Ticket/Attendance Limits
- Ticket Type and Attendance Restrictions
  - Non-public events or limited early registration
  - Limited access for non-members
- Events Resources Access
  - Access to digital event resources
  - Course or training materials
  - Non public event agendas
- Courses and Multi-day Events
  - Multi day/week course
  - Purchase a course get registered for multiple event instances
- Seat Assignment (For sports and performances)
  - Requires Venue/Place management

# Related Modules

- Purchasable Package/Bundles - Just an idea
  - Multiple Ticket/Registrations Types
  - Cross Event & Sub Event Registration
  - Sponsorship Plus an Event Ticket
  - Add on Products or other Purchasable Entities (Shirts/Subscriptions)
  - Apply Discounts when bought together
- Places - drupal.org/project/places
  - Storing a “Place”
  - Not necessarily a physical location
    - Zoom meetings, Website, etc
  - Work in progress

# Questions?