

Events Platform: Automating the Testing Process

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Florida Drupal Camp
2026



Background:

1

- Contributor of Automation Tests to Feeds Module and in the Events Platform,
- Maintained Tests for initial launch and pre-production of the Wu-Tsai Neuroscience website,
 - Working alot with Test Automation in Drupal

Events Platform Module:

2

The Events Module allows site developers to manage the event platform with:

- Scheduling,
 - Job listings,
 - Featured Speakers,
 - Event-Sponsors
- to Custom Event Details.

Event Platform

[View](#) [Version control](#) [View history](#)

The Event Platform is actually a set of modules, each of which provides functionality designed to satisfy the needs of anyone creating a site for a Drupal Camp or similar event.

Event Platform Sessions creates a robust system for user-suggested sessions, including an approval workflow and the ability to automatically notify a user when their suggestion is accepted or rejected. Accepted sessions are displayed in a list, and there's also the ability to associate sessions with rooms, tracks, time slots, and more.

Event Platform Sponsors allows your site to display sponsors, sorted by tier of sponsorship (bronze, silver, gold, etc).

Event Platform Job Listing creates a way to list job openings, optionally associated with sponsors.

Event Platform Speakers makes it easy to list information about featured speakers at your event, for example, on the home page.

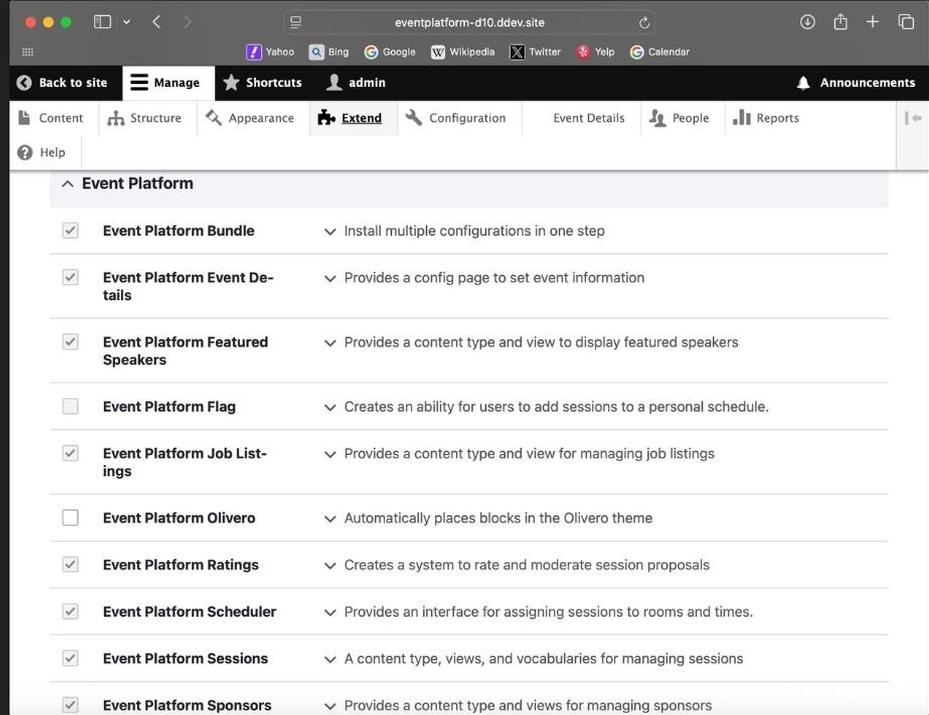
Here is a Demo:

For the Events platform navigation

Enabling the Event Platform modules

3

Ensure the Drupal
Version matches
the full span of
requirements and
dependencies



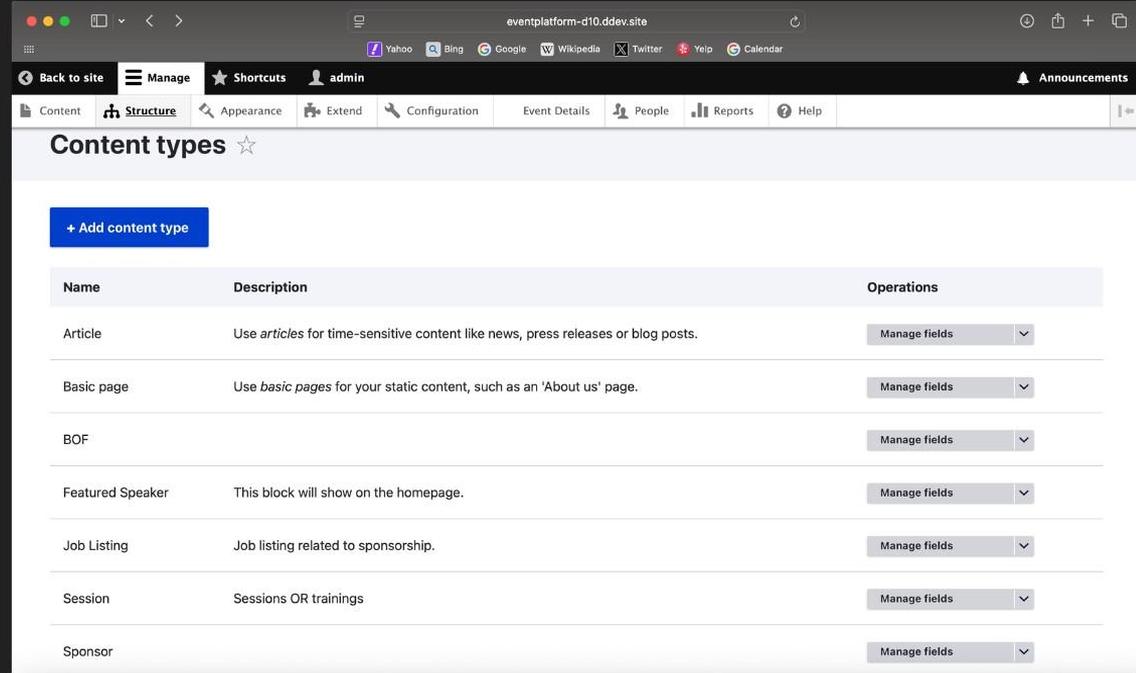
The screenshot shows the Drupal administration interface for the 'Event Platform' modules. The browser address bar indicates the URL 'eventplatform-d10.ddev.site'. The navigation menu includes 'Back to site', 'Manage', 'Shortcuts', and 'admin'. The main navigation bar contains 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'Event Details', 'People', and 'Reports'. The 'Event Platform' section is expanded, showing a list of modules with their respective descriptions and checkboxes for enabling them.

Module	Description	Enabled
Event Platform Bundle	Install multiple configurations in one step	<input checked="" type="checkbox"/>
Event Platform Event Details	Provides a config page to set event information	<input checked="" type="checkbox"/>
Event Platform Featured Speakers	Provides a content type and view to display featured speakers	<input checked="" type="checkbox"/>
Event Platform Flag	Creates an ability for users to add sessions to a personal schedule.	<input type="checkbox"/>
Event Platform Job Listings	Provides a content type and view for managing job listings	<input checked="" type="checkbox"/>
Event Platform Olivero	Automatically places blocks in the Olivero theme	<input type="checkbox"/>
Event Platform Ratings	Creates a system to rate and moderate session proposals	<input checked="" type="checkbox"/>
Event Platform Scheduler	Provides an interface for assigning sessions to rooms and times.	<input checked="" type="checkbox"/>
Event Platform Sessions	A content type, views, and vocabularies for managing sessions	<input checked="" type="checkbox"/>
Event Platform Sponsors	Provides a content type and views for managing sponsors	<input checked="" type="checkbox"/>

Creating an Event

4

It is more effective when the content-types are already set



The screenshot shows a web browser window with the URL 'eventplatform-d10.ddev.site'. The browser's address bar and tabs are visible. Below the browser, there is a navigation menu with options like 'Back to site', 'Manage', 'Shortcuts', and 'admin'. A secondary menu includes 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'Event Details', 'People', 'Reports', and 'Help'. The main content area is titled 'Content types' and features a '+ Add content type' button. Below this is a table listing content types with columns for Name, Description, and Operations.

Name	Description	Operations
Article	Use <i>articles</i> for time-sensitive content like news, press releases or blog posts.	Manage fields
Basic page	Use <i>basic pages</i> for your static content, such as an 'About us' page.	Manage fields
BOF		Manage fields
Featured Speaker	This block will show on the homepage.	Manage fields
Job Listing	Job listing related to sponsorship.	Manage fields
Session	Sessions OR trainings	Manage fields
Sponsor		Manage fields

Configuring Event Details

5

We were able to create the full test for configuring an event!

The screenshot shows a web browser window with the URL `eventplatform-d10.ddev.site`. The browser's address bar contains search engines like Yahoo, Bing, Google, Wikipedia, Twitter, Yelp, and Calendar. The page has a dark navigation bar with 'Back to site', 'Manage', 'Shortcuts', and 'admin' (with a user icon). Below this is a secondary navigation bar with tabs for 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'Event Details' (active), 'People', 'Reports', and 'Help'. The main content area is titled 'eg "Florida DrupalCamp"' and contains a form for configuring an event. The form has a 'Current*' section with a 'Name' field containing 'Drupal Meetup' and an 'Operations' button. Below this is a 'Location (Short)*' field containing 'Virtual'. A note below the location field reads: 'A short representation of the event's location, e.g. Orlando, FL. For a virtual event use "online" or "virtual"'. The 'Dates*' section includes a 'Start date*' field with '11/03/2025' and an 'End date*' field with '11/04/2025'.

Assigning rooms, tracks, slots

6

It will vary based on the site, and the individual of the user input

The screenshot shows a web browser window with the URL 'eventplatform-d10.ddev.site'. The browser's address bar and tabs are visible at the top. Below the browser, there is a navigation menu with several tabs: 'Back to site', 'Manage', 'Shortcuts', and 'admin'. The 'Manage' tab is active. Underneath, there is a secondary navigation bar with icons and labels for 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'Event Details', 'People', 'Reports', and 'Help'. The 'Event Details' tab is selected. The main content area is titled 'Program' and features a 'Show row weights' toggle. Below this, there is a list of four program items, each with a text input field and a 'Remove' button:

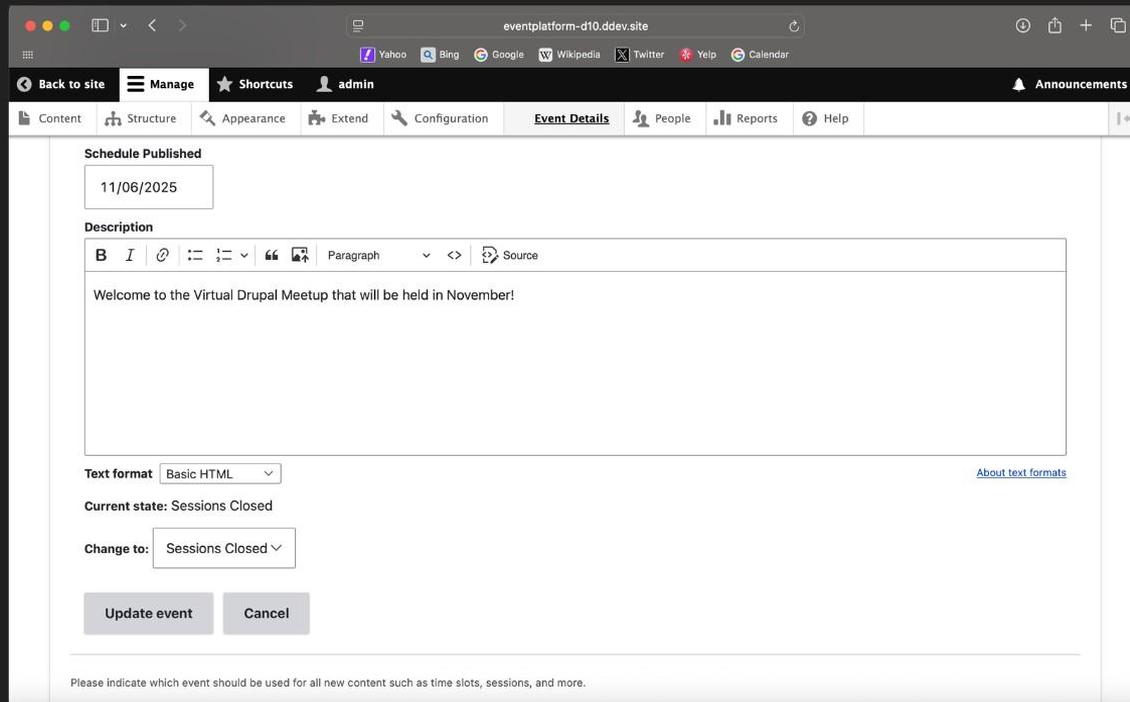
- Presentation
- Drupal Summit
- Short break
- Conclusion

Below the list, there is a text input field with the placeholder text 'Provide a short description of what will happen each day of the event' and an 'Add another item' button. At the bottom of the form, there are two buttons: 'Save' and 'Clear values'.

Publishing Event schedule

7

Ensure that it works, by publishing your event



The screenshot shows a web browser window at the URL `eventplatform-d10.ddev.site`. The page is a Drupal administrative interface with a top navigation bar containing 'Back to site', 'Manage', 'Shortcuts', and 'admin'. Below this is a secondary navigation bar with tabs for 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'Event Details', 'People', 'Reports', and 'Help'. The main content area is titled 'Schedule Published' and contains a form with the following elements:

- A date input field containing '11/06/2025'.
- A 'Description' section with a rich text editor toolbar (bold, italic, link, list, indent, quote, paragraph) and a text area containing the text: 'Welcome to the Virtual Drupal Meetup that will be held in November!'.
- A 'Text format' dropdown menu set to 'Basic HTML'.
- A 'Current state' label showing 'Sessions Closed'.
- A 'Change to:' dropdown menu also set to 'Sessions Closed'.
- Two buttons: 'Update event' and 'Cancel'.

At the bottom of the form, there is a small note: 'Please indicate which event should be used for all new content such as time slots, sessions, and more.'

Running E2E Testing using ATK Module:

8

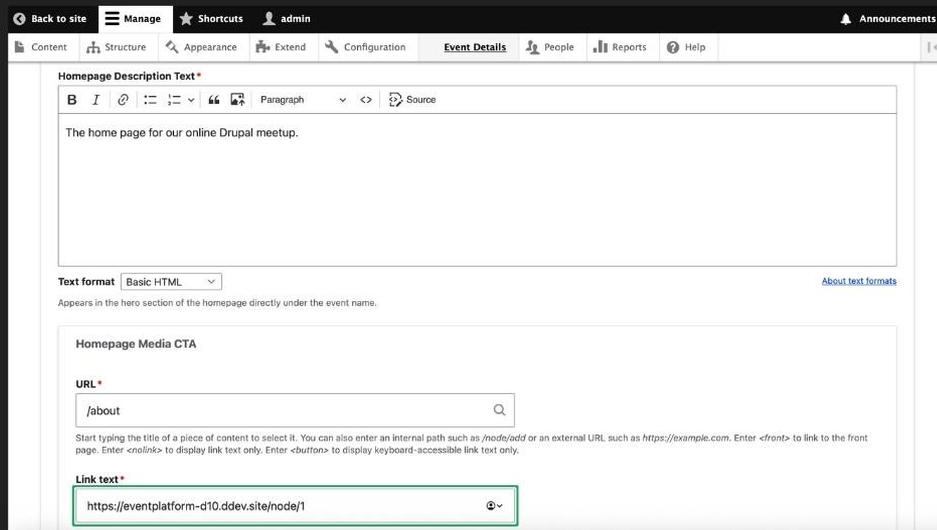
End-to-End testing can run more efficiently with Automated Tests using the **Automated Testing Kit** Module:



- Out of the box smoke testing for basic Drupal functions like Login, Contact-us, Sitemap, etc.
- Supports both Cypress and Playwright frameworks

What were the results?

Automating Events creation:



The screenshot shows a Drupal administration page for configuring an event type. The breadcrumb trail is: Back to site > Manage > Shortcuts > admin. The main navigation bar includes: Content, Structure, Appearance, Extend, Configuration, Event Details (active), People, Reports, and Help. The page title is "Homepage Description Text*".

The "Homepage Description Text*" section contains a rich text editor with the text: "The home page for our online Drupal meetup." Below the editor, the "Text format" is set to "Basic HTML". A note states: "Appears in the hero section of the homepage directly under the event name." A link "About text formats" is visible.

The "Homepage Media CTA" section includes a "URL*" field with the value "/about". A note below reads: "Start typing the title of a piece of content to select it. You can also enter an internal path such as /node/add or an external URL such as https://example.com. Enter <front> to link to the front page. Enter <no-link> to display link text only. Enter <buttons> to display keyboard-accessible link text only." Below this is a "Link text*" field with the value "https://eventplatform-d10.ddev.site/node/1".

**Faster Run-Time vs. Manual
Creation of Event type**

**A configured Event-Structure
and Schedule In the Script**

**More scalability Using the
Same Event Details**

Step 1) Creating a Issue on Drupal.org:

1. Add input inside the Event Details form
2. Set the fields for Time, Date, Description
3. Create taxonomy to reference in the fields
4. Configure the Event Scheduling options
5. Produce an event from the set content types
6. Confirm that the event is created

Active	
Project:	Automated Testing Kit
Version:	2.0.0
Component:	Code
Priority:	Normal
Category:	Plan
Assigned:	peterrubin
Reporter:	peterrubin
Created:	14 Oct 2025 at 19:18 PDT
Updated:	14 Oct 2025 at 19:18 PDT

Step 2) Outlining the Complete Test:

11

Add Event Details (Basic Settings)

- Name
- Year
- Location

Configure Header (Call to Action)

- URL
- Link Text
- Homepage Description

Add User/People

- Credentials
- Roles
- Picture
- Display Name

Create a Session

- Title/Description
- Speakers
- Audience
- Session Category

What are the
main Parts of
the Test?

What are the sub-components?

When do we know if it worked?

Step 3) Finding the Right Methods:

12

```
.Click( );           // which fields in the page?  
.Type( );           // where is my input from the test?  
.Visit( );          // which sub-page do I go to?  
.Get( );            // which kind of selector is it?  
.Contains( );       // what are the page elements?
```

Using Dev Tools for elements

13

The image shows a browser window at `eventplatform-d10.ddev.site:33001/admin/event-details`. The page title is "Edit config page Event Details". The main content area has a "Description" field with the text "Welcome to the Virtual Drupal Meetup that will be held in September!". Below this is a "Text form" field with a "Draft" dropdown menu open, showing options: "Draft", "Save the Date", "Current status", "Sessions Open", "Sessions Closed", "Change to" (with "Scheduled" selected), and "Underway". There are "Update event" and "Cancel" buttons. Below the form is a note: "Please indicate which event should be used for all new content such as time slots, sessions, and more." At the bottom, there is a "Website Info" section.

The browser's developer tools are open, showing the DOM tree. The selected element is `select#edit-field-current-form-inline-entity-form-entities-0-form-mod`. The console shows the following code:

```
select#edit-field-current-form-inline-entity-form-entities-0-form-mod > ...  
( 'test', async ( { page } ) => {  
  Homepage Media CTA - URL Field  
  st urlField = page.locator('[data-drupal-selector="edit-field-current-form-inline-entity-form-entities-0-form-mod"]');  
  it urlField.click();  
  it urlField.fill('/about');  
  Homepage Media CTA - Link Text Field  
  st linkTextField = page.locator('[data-drupal-selector="edit-field-current-form-inline-entity-form-entities-0-form-mod"]');  
  it linkTextField.click();  
  it linkTextField.fill('https://eventplatform-d10.ddev.site');  
  Program Field  
  st programField = page.locator('[data-drupal-selector="edit-field-current-form-inline-entity-form-entities-0-form-mod"]');  
  it programField.click();  
  it programField.fill('Sitebuilding Updated');  
  Save form  
  it page.locator('[data-drupal-selector="edit-submit"]');  
  it page.waitForTimeout(2000);  
});
```

Using Dev Tools for elements

14

The screenshot shows a web browser window with the URL `eventplatform-d10.ddev.site:33001/admin/event-details`. The page displays a form for editing event details. The "Description" field contains the text "Welcome to the Virtual Drupal Meetup that will be held in September!". Below the description, there are several form fields: "Text form", "Current state" (with a dropdown menu open showing options: Draft, Save the Date, Sessions Open, Sessions Closed, **Scheduled**, Underway), and "Change to". The "Scheduled" option is selected. There are "Update event" and "Cancel" buttons. Below the form, there is a note: "Please indicate which event should be used for all new content such as time slots, sessions, and more." and a "Website Info" section.

The developer tools are open on the right side of the browser. The "Elements" panel shows the DOM tree with the following structure:

```
<div class="container-inline js-form-item form-item js-form-select form-type-select js-form-item-field-current-form-inline-entity-form-entities-0-form-moderation-state-0-state-form-item-field-current-form-inline-entity-form-entities-0-form-moderation-state-0-state">  
  <label for="edit-field-current-form-inline-entity-form-entities-0-form-moderation-state-0-state">  
    <input type="radio" class="form-item_label">  
  </label>  
</div>  
<select data-drupal-selector="edit-field-current-form-inline-entity-form-entities-0-form-moderation-state-0-state" id="edit-field-current-form-inline-entity-form-entities-0-form-moderation-state-0-state">  
  <option value="draft">Draft</option>  
  <option value="save-the-date">Save the Date</option>  
  <option value="sessions-open">Sessions Open</option>  
  <option value="sessions-closed">Sessions Closed</option>  
  <option checked="" value="scheduled">Scheduled</option>  
  <option value="underway">Underway</option>  
</select>  
</div>  
</div>  
<div data-drupal-selector="edit-field-current-form-inline-entity-form-entities-0-form-actions">  
  <input type="button" value="Update event" class="form-submit">  
  <input type="button" value="Cancel" class="form-submit">  
</div>  
</div>
```

```
const moderationDropdown =  
page.locator('[data-drupal-selector=  
"edit-field-current-form-entity-form-  
entities-0-form-moderation-state-  
-0-state"]');
```

Step 4) Sorting Each Scene:

15

Enabling the Event Platform Modules

Creating Event Content (Name, Sessions, Sponsors, Speakers)

Configuring Event Details and Scheduling options

Assigning Rooms, Tracks, and Time Slots

Publishing the finalized Event schedule

Here is a Demo:

For running a script on Event-type

Why Events module for testing

16

- ***Scalability*** - using standardized tests for local events
- ***Experience*** - aspired to create similar test for Events platform
- ***Contribute*** - relevant module to contribute a suite of tests
- ***Potential Usecase*** - with new version releases or changes
- ***Contrib modules*** - testing can be useful for all modules

Why testing is important

17

- Make sure nothing breaks when you make a change,
- There is always new features and security updates,
- Confirm all components after changes in every release,
- Saves added effort and time from testing manually,

Refactoring the test

18

- **Use Helper functions on existing methods,**
- **Make registration and site navigation generic to the user,**
- **Condense the code and split the existing test,**
- **Increase durability and success rate on your test,**
- **Target the locaters specific to your site!**

Thank you!

<https://www.drupal.org/u/peterrubin>

Slack In Drupal: @Peter Rubin