

Day 18 - Events and Subscribers

Objective

- In this session, we will take a look into the Events and Subscribers which is a mechanism very similar to the Drupal's hook system which allows one component of code to be triggered when something else is triggered.

Primary Tutorial

- <http://www.sitepoint.com/drupal-8-hooks-symfony-event-dispatcher/>

Additional Resources

- <https://drupalize.me/blog/201502/responding-events-drupal-8>
- <https://knpuniversity.com/screencast/drupal8-under-the-hood/events-versus-hooks>
- <https://www.previousnext.com.au/blog/alter-or-dispatch-drupal-8-events-versus-alter-hooks>

Exercise

- **Discuss with your group** : When you would register an event dispatcher vs when would you define a custom hook
Notes: Stop further propagation?
- **Discuss with your group** : Are there any core events that you could subscribe to in your custom module? Ie, if your custom module has to act on node deletion, would your custom module implement hook_delete, or would it subscribe to a core event dispatcher?
- **Discuss with your group** : Is there a place where you could find list of all event dispatchers available in core?
Notes: <https://www.drupal.org/project/webprofiler> , <https://api.drupal.org/api/drupal/core!core.api.php/group/events/8.2.x>
- **Implement a custom Event Dispatch and Subscription:**
 - Modify the page_example module such that whenever the "examples/page_example/simple" page is loaded, an event "simple_page_load" is dispatched
 - In your custom module, subscribe to the earlier event. Implement some custom code in your subscriber (Say make an entry to database logging under "Simple Page" type with the message "Simple Page Loaded").