



Log Tracking Container-based Application Extensibility And Enhancement

CERN Openlab Summer Student Lightning Talk

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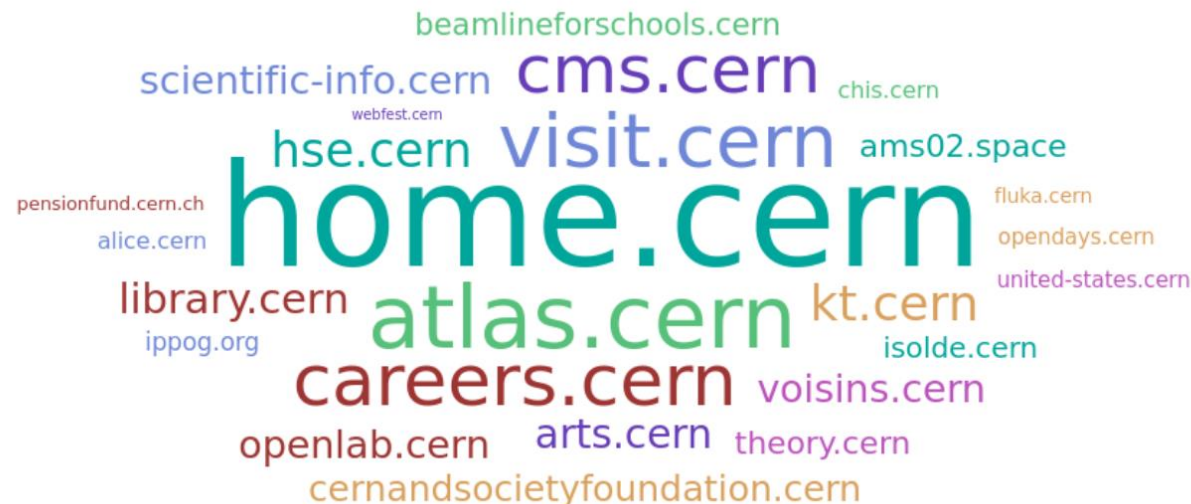
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15/09/2022

Drupal@CERN

What is Drupal? and what is the role of Drupal at CERN?

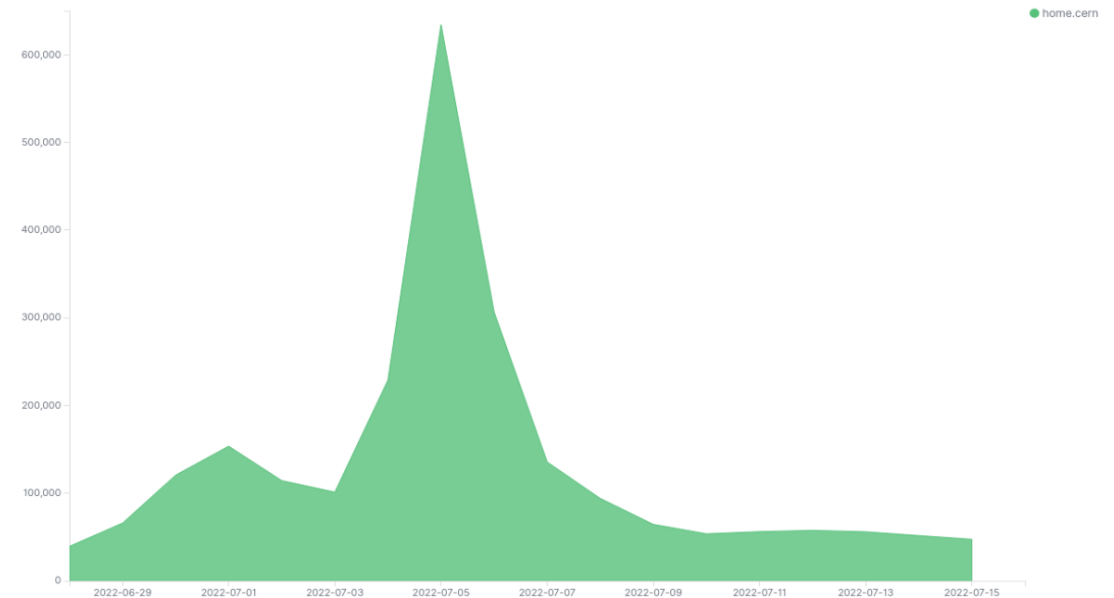
- Drupal is a free, open-source software that can be used to easily create and manage websites. It consists of a content management platform and a development framework.
- Drupal is used extensively to build and maintain CERN websites.



Drupal@CERN

Drupal Statistics

- CERN hosts around 1213 Drupal websites in total.
- The number of official websites is 676 and the remaining websites are development instances, test instances and personal websites.
- home.cern, just one of these websites, saw 1.3 million unique users last July.



The Problem

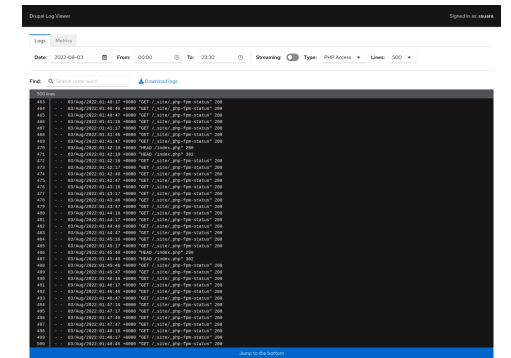
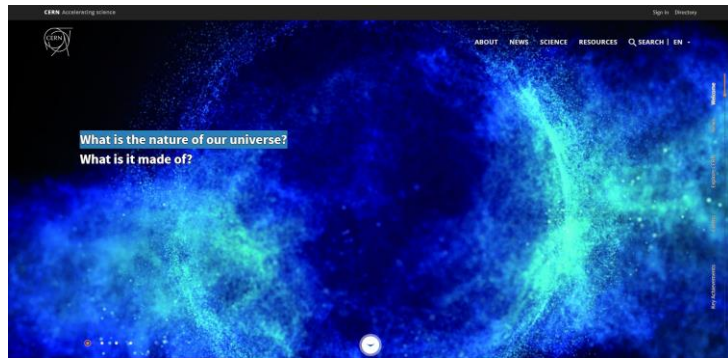
What does the project aim to solve?

- Logs are a crucial part of the development and maintenance process of a Drupal website.
- There is no easy way to access logs of Drupal websites:
 - Developers can raise a ticket and request for logs of their Drupal websites.
 - Developers can access the pod running the Drupal site in OpenShift portal to view the log.

The Solution

Drupal Log Viewer

- The Drupal Log Viewer is a platform for developers to view various types of logs of their Drupal websites.
- How does the Drupal Log Viewer work?



Drupal Log Viewer

Logs Tab

Drupal Log Viewer Signed in as: ssuara

Logs Metrics

Date: 2022-08-03 From: 00:00 To: 23:30 Streaming: Type: PHP Access Lines: 500

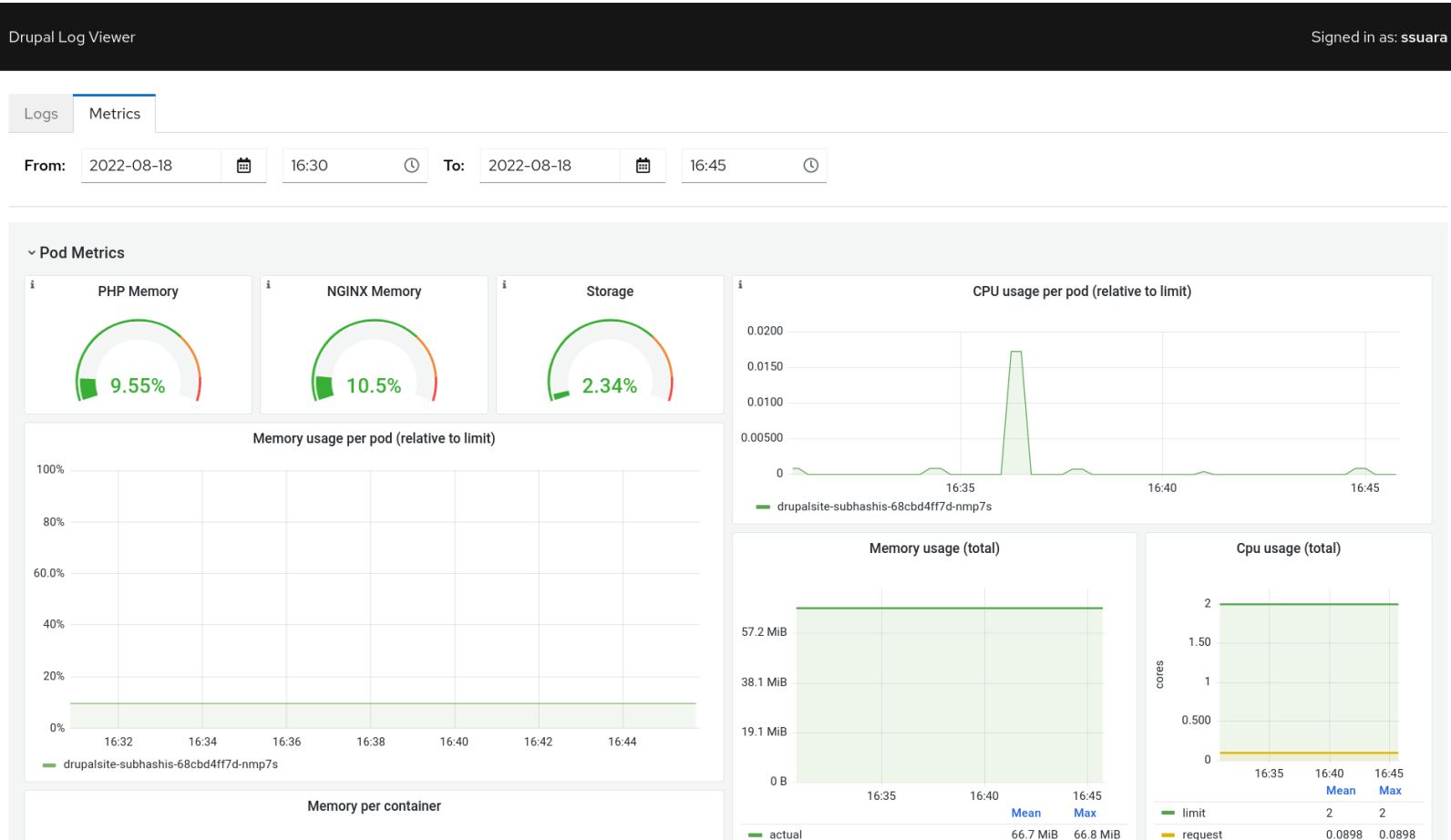
Find: [Download logs](#)

```
500 lines
463 - - 03/Aug/2022:01:40:17 +0000 "GET /_site/_php-fpm-status" 200
464 - - 03/Aug/2022:01:40:46 +0000 "GET /_site/_php-fpm-status" 200
465 - - 03/Aug/2022:01:40:47 +0000 "GET /_site/_php-fpm-status" 200
466 - - 03/Aug/2022:01:41:16 +0000 "GET /_site/_php-fpm-status" 200
467 - - 03/Aug/2022:01:41:17 +0000 "GET /_site/_php-fpm-status" 200
468 - - 03/Aug/2022:01:41:46 +0000 "GET /_site/_php-fpm-status" 200
469 - - 03/Aug/2022:01:41:47 +0000 "GET /_site/_php-fpm-status" 200
470 - - 03/Aug/2022:01:42:10 +0000 "HEAD /index.php" 200
471 - - 03/Aug/2022:01:42:10 +0000 "HEAD /index.php" 302
472 - - 03/Aug/2022:01:42:16 +0000 "GET /_site/_php-fpm-status" 200
473 - - 03/Aug/2022:01:42:17 +0000 "GET /_site/_php-fpm-status" 200
474 - - 03/Aug/2022:01:42:46 +0000 "GET /_site/_php-fpm-status" 200
475 - - 03/Aug/2022:01:42:47 +0000 "GET /_site/_php-fpm-status" 200
476 - - 03/Aug/2022:01:43:16 +0000 "GET /_site/_php-fpm-status" 200
477 - - 03/Aug/2022:01:43:17 +0000 "GET /_site/_php-fpm-status" 200
478 - - 03/Aug/2022:01:43:46 +0000 "GET /_site/_php-fpm-status" 200
479 - - 03/Aug/2022:01:43:47 +0000 "GET /_site/_php-fpm-status" 200
480 - - 03/Aug/2022:01:44:16 +0000 "GET /_site/_php-fpm-status" 200
481 - - 03/Aug/2022:01:44:17 +0000 "GET /_site/_php-fpm-status" 200
482 - - 03/Aug/2022:01:44:46 +0000 "GET /_site/_php-fpm-status" 200
483 - - 03/Aug/2022:01:44:47 +0000 "GET /_site/_php-fpm-status" 200
484 - - 03/Aug/2022:01:45:16 +0000 "GET /_site/_php-fpm-status" 200
485 - - 03/Aug/2022:01:45:17 +0000 "GET /_site/_php-fpm-status" 200
486 - - 03/Aug/2022:01:45:40 +0000 "HEAD /index.php" 200
487 - - 03/Aug/2022:01:45:40 +0000 "HEAD /index.php" 302
488 - - 03/Aug/2022:01:45:46 +0000 "GET /_site/_php-fpm-status" 200
489 - - 03/Aug/2022:01:45:47 +0000 "GET /_site/_php-fpm-status" 200
490 - - 03/Aug/2022:01:46:16 +0000 "GET /_site/_php-fpm-status" 200
491 - - 03/Aug/2022:01:46:17 +0000 "GET /_site/_php-fpm-status" 200
492 - - 03/Aug/2022:01:46:46 +0000 "GET /_site/_php-fpm-status" 200
493 - - 03/Aug/2022:01:46:47 +0000 "GET /_site/_php-fpm-status" 200
494 - - 03/Aug/2022:01:47:16 +0000 "GET /_site/_php-fpm-status" 200
495 - - 03/Aug/2022:01:47:17 +0000 "GET /_site/_php-fpm-status" 200
496 - - 03/Aug/2022:01:47:46 +0000 "GET /_site/_php-fpm-status" 200
497 - - 03/Aug/2022:01:47:47 +0000 "GET /_site/_php-fpm-status" 200
498 - - 03/Aug/2022:01:48:16 +0000 "GET /_site/_php-fpm-status" 200
499 - - 03/Aug/2022:01:48:17 +0000 "GET /_site/_php-fpm-status" 200
500 - - 03/Aug/2022:01:48:46 +0000 "GET /_site/_php-fpm-status" 200
```

Jump to the bottom

Drupal Log Viewer

Metrics Tab



i To report an issue or ask for assistance, contact us at [Service Desk - Drupal Service](#).

? For more general questions related to the application, we are also reachable under the [~Drupal](#) channel in Mattermost or in the [Drupal Community Forum](#).

Future Work

There is more to do!

- Implement the Drupal Log Viewer into the Web Services Portal.
- Add multi-days download functionality.
- Add notifications for events happening in Grafana (in the graphs).
- Provide the ability for users to use their own Grafana custom graphs.



QUESTIONS?

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