DRUPAL partners
A DIVISION OF INNOPPL

# How our Drupal migration services enabled a leading data convenor organization to see acompelling website performance

## Drupal Partners Case Study

**Atlanta**
7000 Central Parkway,
Suite 220, Atlanta, GA 30328
P: (470) 604-9885

www.drupalpartners.com

yourfriends@drupalpartners.com

# About The Client

With its aim to develop and elevate data standards of the utmost excellence, CDISC has convened a global community in order to bring clarity and transparency into clinical research. Recognized by both FDA (United States Food & Drug Administration) and PMDA (Japan's Pharmaceuticals & Medical Devices Agency), these advanced CDISC standards ensure that data is easily accessible, interoperable, as well as reusable across the world's leading research organizations

By harnessing the power of CDISC standards, the global research community can experience seamless data utilization that significantly contributes to international well-being. As a 501(c)(3) not-for-profit charitable organization with its headquarters in Austin, Texas, and hundreds of employees and volunteers globally—CDISC is dedicated to driving meaningful impact around the world.

# How it started

CDISC aims at providing the best-of-class web experience to its users. To achieve that, they wanted a migration from their existing Drupal-based CMS website to the latest version of Drupal. As their existing website had several custom modules, it was essential for them to transfer those with utmost accuracy and preserve the content structure too. This is where DrupalPartners came into play.

In order to guarantee the security and continued operation of their website, they had to swiftly upgrade to Drupal 9's most up-to-date version. After migrating them from Drupal 7 to a higher version of Drupal 8, we have been successfully providing maintenance for their website for an extended period. When they requested our assistance to shift to Drupal 9.5.2, we knew it would be both an exciting and rewarding project!

# The Challenge

With CDISC running on the lower Drupal 8 version (without updates), they sought to take advantage of the advanced features in Drupal 9.5.2 and transition to it quickly and efficiently. Nevertheless, this entailed that a substantial portion of donated modules and custom code would necessitate modification if they wished to continue on with their plans. What's more, multiple years of their content had to be moved over. On top of this, they were presented with a number of noteworthy difficulties such as:

- Wiki API to create D8 content syncing
- Third-party plugins had to be reconfigured
- Non-compliant HTML code needed to be fixed.

# Our Solutions

This HTML format file was unstructured. We developed a custom script to save the data, which included written code for recognizing HTML tags and values, as well as transforming them into D8 field mapping values. The script remains on Pantheon after we upgraded from D8 to D9.

# Our Discoveries

After our team of Drupal-certified migration experts' extensive investigation and analysis of the cdisc.com website, here are their key findings:

Even though there were no surface-level signs of lagging performance, the website was running on Drupal 8 and needed to be upgraded in order to avoid any potential issues arising from dependency conflicts after completing the upgrade process.

# Our Approach

Our approach to the project was dual-sided. The initial step of updating all contributed modules and custom code so that it would function with Drupal 9 needed only a few hours, which made this task straightforward

# Drupal 7 to 8

Here is how we moved cdisc.com to the latest Drupal 8

1. Analyzed the migration process and prepared the specifications. .

2. Take a fresh setup for Drupal 8 and install the necessary modules

3. Worked on the Content-type and Field Creation.

4. Export the data from Drupal 7 (using the view data export module)

5. Apply the ETL process

6. Install the Migration, Migration UI, Migration Plus and CSV Migration modules

7. Write the c custom CSV migration script for all the content types, images, media, order, product, etc,

8. Import the data using Drush Comments

9. Once data are ready, work on the UI part

10. Work on the UI development and move it to QC

11.Work on the SEO and Performance Optimization

12.Once it is confirmed from the Client end Setup Live server

13.Do the final Content Migration

14.Test the website (Recognition testing)

15. Move it to Live to the Latest Drupal 8 version

# Drupal 8 to Drupal 9.5.2 - The Way Forward

Here is how we moved cdisc.com to the latest Drupal 9.5.2

1. Existing Drupal 8.9 DB and file backup will be taken

2. Check for updates to all contributed modules, themes, and custom code

3. Apply updates as needed

4. cdisc json, cdisc lock to be prepared for drupal 9 upgrade

5. Drupal 8.9 database schema update to Drupal 9.5.2

6. Upgrade contributed modules, themes, and custom code (if compatible)

7. Use the upgrade status and upgrade Rector modules to upgrade the core

8. Testing

9. Launch the new Drupal 9.5.2 site

# Key Solutions Provided To Support Smooth Upgrade

1. The Upgrade process included going from Drupal 8.9 to Drupal 9.0. , Drupal 9.2 to Drupal 9.5.2, update compose 2, Drush ^10.3.6”

2. Installed the “Upgrade Status” module and verified Drupal 9 compatibility for the website where the Drupal 9 compatibility score was above 85%

3. Removed unused modules and update the contribute modules

4. Updated the core module to the latest Drupal 9.5.2 version

5. Applied the right patches for dependency issues (Core Module)

6. Upgraded Contrib Module and Custom Module (Drupal 9 compatible) to the latest version and applied patches for dependencies

7. upgraded the Drupal 9.5.2 Database schema (runupdate.php)

8. Applied the patches for dependency use

9. Cache clear from admin

# Results:

**Significantly Increased Security - 90%!**

**Staggering Boost in Efficacy - 80%**

**Easier Data Planning - 60%**

The cdisc.com website is now running on Drupal 9.5.2 with all features intact and up-to-date, and the performance of the site has been greatly increased as a result of the upgrade process. The project was completed within the stipulated timeline and budget. Our Drupal experts have ensured that the website is secure, efficient, and up to date now!

The script remains on Pantheon after we upgraded from D8 to D9 and our team of Drupal-certified migration experts was able to successfully migrate cdisc.com's data and content types efficiently with minimal disruption throughout the entire process. Additionally, all of the website's contributed and custom modules were updated to their latest versions as well.

# Conclusion

We are proud to have successfully upgraded cdisc.com from Drupal 8 to the latest version of Drupal 9.5.2, and we were able to do so within the timeline and budget agreed upon with our client. The experience has been positive for both sides, as this project's successful completion proves that complex migration projects such as these can be tackled and completed with minimal disruption to business operations. Our team of experts is highly experienced in Drupal migrations and was able to handle the project with ease, delivering exemplary results for our client in the end!

We would love to hear from you if you have a complex migration project that needs tackling. Get in touch with us today!

# Other Useful Resources

| | | | |
|---|---|---|---|
| Case Studies | Whitepaper | Fact Sheet | eBook |
| Blog | Webinar | Infographics | |

## Want More Info?
## Contact Our Drupal Partners Team Today!

**Yourfriends@drupalpartners.com**

The information transmitted, including attachments, is intended only for the person(s) or entity to which it is addressed and may contain confidential and/or privileged material. Any review, re-transmission, dissmination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is prohibited. if you received this in error, please contact the sender and destroy any copies of this information.

©2023 DrupalPatners.com