

Drupal Community Meeting

Managing Drupal 10

Joachim Valdemar Yde, Web Team

September 29 2023

Agenda

- Current status of Drupal 10
 - Recap of two-phased approach
 - Recap of contingencies
- Communication and what to expect when
- How to update a custom module?
- How to uninstall a custom module?
- Overview of timeline

Recap: Drupal 10 (1/2)

- We have opted for a **two-phased approach** for Drupal 10
 - **Phase 1: Drupal 10 with CKEditor 4**
 - CKEditor is always behind the CERN SSO, so no security risk*
 - Phase 2: Drupal 10 with CKEditor 5
- Initial version of Drupal 10 with CKEditor 4 is being finalised
 - CERN-modules are already compatible
 - CERN Drupal Distribution is being updated (*three modules left*)
 - One remaining issue concerning OpenID Connect (*additional testing required*)

We have the first websites running Drupal 10

Recap: Drupal 10 (2/2)

- We are aiming for Phase 1 to have **minimal impact**
 - **Non-customised websites = no work necessary**
 - **Customised websites = (some) work necessary**
- Drawing on experiences from prior migrations, we will
 1. automatically upgrade non-customised websites
 2. provide direct instructions for customised websites (clear path for non-technical owners)
 3. provide additional documentation, workshops, and Zoom sessions
 4. *can automatically upgrade custom modules (but cannot guarantee outcome...)*

Recap: Contingencies

- CERN Computer Security has made it clear that **websites cannot remain on Drupal 9**
 - Will not be imposed 1 November, but could happen at any time if a vulnerability is found
 - Drupal 8 experienced a critical vulnerability that we were not affected by shortly after its end-of-life*
- We have **contingencies in place** for Drupal 9.x websites, namely:
 - 1. move websites behind the CERN SSO**
 - 2. serve static copies** (cannot be edited)
 - 3. reserve the right to automatically update custom modules*

What to expect

- All website owners will receive e-mail communication (using e-groups)
- We know which websites are customised and which are not
- **Websites *without* customisation** will receive notification pre- and post-upgrade
- **Websites *with* customisation** will receive a tailored e-mail outlining
 1. Which custom modules need to be updated;
 2. where to download the newest version of the custom module(s);
 3. what to do if no compatible releases are available for the custom module(s); and
 4. how to both remove and update custom module(s) as needed.

We want to minimise the work imposed on each owner!

What to expect: no customisation

- You will receive an e-mail stating that your website **is compatible**
- We will **schedule an automated upgrade to Drupal 10**
- Upgrades to Drupal 10 will begin progressively **second-half of October**
- You will receive an e-mail confirming that you have been upgraded

You do not need to take any action!

We create a backup before making any changes!

What to expect: customisation

- There are **two scenarios**:
 1. *Your custom modules are already compatible = **same flow as no customisation***

This is typically the case if a website is actively maintained
 2. Your custom modules are not yet compatible
- You will receive an e-mail outlining **what needs to happen to ensure compatibility**
- Using the e-mail, you need to download and update your custom module(s)
 - **This can be done on your Drupal 9 website today!**
- We will continuously monitor such that we can schedule compatible websites for an upgrade
- *We are ready to assist, but updating modules is easy!*

How to update a module?

The screenshot shows a web browser window displaying the Drupal Documentation page for "Update Custom Modules". The page is titled "Update Custom Modules" and is part of the "Development" section. The left sidebar contains a navigation menu with categories like "Creating Websites", "CERN Modules", "Development", and "Migration". The main content area includes a breadcrumb trail, a title, an introductory paragraph, a list of actions, a "DANGER" warning box, and sections for "Updating Modules" and "Updating Modules via WebDAV".

Update Custom Modules

In the event that the modules provided via the CERN Drupal Distribution) are not sufficient for your needs, you may:

- post on the CERN Drupal Community Forums to see whether others have already achieved what you are looking for;
- submit a request to the Drupal Team to evaluate whether the feature(s) you require can be accommodated by adding a new module to the CERN Drupal Distribution, benefitting all CERN websites; or
- manually install a custom module directly on your website(s).

DANGER

Please note that installing and using custom modules requires both (a) continuous maintenance and (b) continuous attention to updates, security patches, and new feature releases. Indeed, any website is a living and breathing piece of software. This work will solely be the responsibility of the website owner(s) as any custom module not in the CERN Drupal Distribution will not benefit from the centrally managed updates. If you require a set-and-forget solution, please do not exceed what is offered in the CERN Drupal Distribution.

Updating Modules

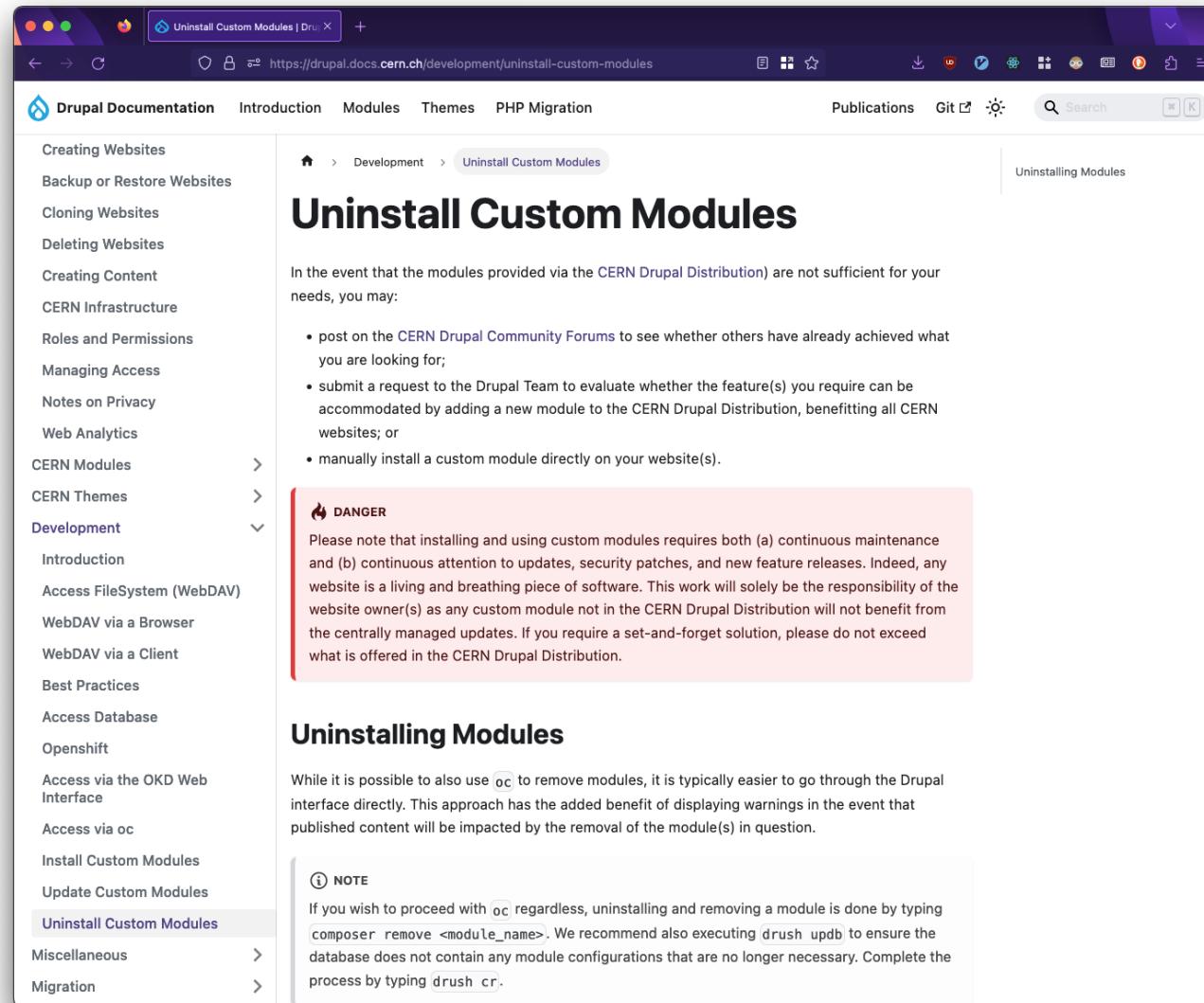
There are two ways in which modules can be updated, via (1) WebDAV, or (2) via `oc`. In any case, the process of updating a module must be completed by the website owner(s) directly. It is **strongly recommended** to always [create a clone](#) before attempting to update a module. If all goes well on the clone, steps should be repeated on your production website.

Updating Modules via WebDAV

NOTE

We recommend experienced users to use `oc` and the `composer` directly.

How to uninstall a module?



The screenshot shows a web browser window displaying the Drupal Documentation page for "Uninstall Custom Modules". The page is part of the "Development" section under "Modules". The main heading is "Uninstall Custom Modules". Below the heading, there is a paragraph explaining that the modules provided via the CERN Drupal Distribution may not be sufficient for all needs. A list of three bullet points provides suggestions: posting on the CERN Drupal Community Forums, submitting a request to the Drupal Team, or manually installing a custom module. A prominent "DANGER" warning box follows, stating that installing and using custom modules requires continuous maintenance and attention to updates, security patches, and new feature releases. Below the warning, the section "Uninstalling Modules" is introduced, explaining that while it is possible to use `oc` to remove modules, it is typically easier to go through the Drupal interface directly. A "NOTE" box at the bottom provides instructions on how to proceed with `oc`, recommending the use of `drush updb` to ensure the database is up-to-date and `drush cr` to clear the cache.

Uninstall Custom Modules | Dr. X

https://drupal.docs.cern.ch/development/uninstall-custom-modules

Drupal Documentation Introduction Modules Themes PHP Migration Publications Git Search

Home > Development > Uninstall Custom Modules Uninstalling Modules

Uninstall Custom Modules

In the event that the modules provided via the CERN Drupal Distribution) are not sufficient for your needs, you may:

- post on the CERN Drupal Community Forums to see whether others have already achieved what you are looking for;
- submit a request to the Drupal Team to evaluate whether the feature(s) you require can be accommodated by adding a new module to the CERN Drupal Distribution, benefitting all CERN websites; or
- manually install a custom module directly on your website(s).

DANGER

Please note that installing and using custom modules requires both (a) continuous maintenance and (b) continuous attention to updates, security patches, and new feature releases. Indeed, any website is a living and breathing piece of software. This work will solely be the responsibility of the website owner(s) as any custom module not in the CERN Drupal Distribution will not benefit from the centrally managed updates. If you require a set-and-forget solution, please do not exceed what is offered in the CERN Drupal Distribution.

Uninstalling Modules

While it is possible to also use `oc` to remove modules, it is typically easier to go through the Drupal interface directly. This approach has the added benefit of displaying warnings in the event that published content will be impacted by the removal of the module(s) in question.

NOTE

If you wish to proceed with `oc` regardless, uninstalling and removing a module is done by typing `composer remove <module_name>`. We recommend also executing `drush updb` to ensure the database does not contain any module configurations that are no longer necessary. Complete the process by typing `drush cr`.

Overview of timeline

- Currently, we are planning the following:
- **First week of October**
 - e-mails going out (both customised and non-customised) for the Drupal 10 migration
 - *audit recommendations will go out for websites flagged for deletion (no action needed!)*
- **Second half of October**
 - Non-customised websites will progressively be upgraded to Drupal 10 (no action needed!)
 - Compatible customised websites will also be upgraded (no additional action needed!)
 - Once a website has been upgraded, a notification will be sent

We are here to help!



home.cern