

# About me



Hello, my name is **Mauricio Dinarte**, from [Nicaragua](#). [@dinarcon](#) on [drupal.org](#) and [twitter](#).

I am **passionate about Drupal, teaching, and traveling**. Over the last few years I have presented 20+ sessions and full day trainings in 12+ DrupalCamp over America and Europe. If you would like to have me at your local event, meetup, or camp I would love present either in person or remotely. Currently I can present in Spanish and English, but I am working on getting more languages under my belt. ;-)

I am also very active in my local community where I serve as a lead organizer of the [Nicaraguan Drupal community](#). As such, I co-organize regular meetups, Global Training Days, Global Sprint Weekends, and other events to share my knowledge and experience.

This is the list of sessions and full day trainings I have prepared so far. If you don't see a topic of your interest in the list, feel free to propose one. I love opportunities to learn and teach about new things. Click on them for descriptions and recordings:

[Understanding Drupal \[1 hr session\]](#)

[Twig recipes - Custom markup in Drupal 8 - \[1 hr session\]](#)

[Drupal 8 Migrations by Example \[1 hr session\]](#)

[Unraveling Drupal's Migrate API \[1 hr session\]](#)

[Drupal 7 to 8 Content Migrations \[1 hr session\]](#)

[Migrating content into Drupal 8 paragraphs \[1 hr session\]](#)

[Behavior Driven Development in Drupal 8 with Behat \[1 hr session\]](#)

[Understanding React.js \[1 hr session\]](#)

[Steps to create a website \[1 hr session\]](#)

[Getting started with Drupal \[Full day training\]](#)

[Drupal 8 migrations quickstart guide \[Half day training\]](#)

[Drupal 9 content migrations \[Full day training\]](#)

[Drupal 9 content migrations \[Half-day training\]](#)

[Upgrading to Drupal 9 using the Migrate API \[Half-day training\]](#)

## [Behavior Driven Development in Drupal 8 with Behat \[Full day training\]](#)

If you would like me to speak at your event, ping me on twitter at [@dinarcon](#) or send me a message through my drupal.org contact form (you need to be logged in):

<https://www.drupal.org/user/909522/contact>

In all my travels, I have been able to interact with the Drupal community in many ways: as event attendee, speaker, trainer, mentee, mentor, volunteer, and event organizer. It has been an enriching experience which has taught me valuable technical lessons but, most importantly, community interaction and life lessons. If you would like me to speak about this in your event I would also love to do it.

Thanks for reading! :-)

# Understanding Drupal [1 hr session]

Presented at the following camps: **BADCamp, MidCamp, Twin Cities, Florida, SANDCamp, Design for Drupal, and Global Training Day events in Nicaragua**

Session recording in English: <https://www.youtube.com/watch?v=02fvLzPSIjc>

Session recording in Spanish: currently not available.

Slidedeck in English: <http://bit.ly/understanding-drupal>

Slidedeck in Spanish: currently not available.

**Level:** Beginner

**Summary:** Learn how Drupal assembles pages by combining different concepts like nodes, content types, fields, blocks, and views.

**Twitter:** Do you want to get started with [#Drupal](#)? In this session @dinarcon will explain the building blocks used to assemble websites. Among other things, we will talk about nodes, content types, fields, blocks, and views.

**Description:**

Drupal is an extremely flexible system. To achieve this, various layers of abstractions were built into it. A lot of concepts were created to explain these abstractions. Unfortunately, they are not always intuitive. This session aims to explain the basic building blocks for assembling a Drupal site and how they relate to each other. Many examples will be presented to help you understand Drupal and why it is so powerful.

**Learning objectives:**

- What is a node?
- What is a content type?
- What are fields and why are they useful?
- What is a block and what can I do with it?
- What is a view?
- What is a module and its purpose?
- What is a theme and how can it change the look and feel of my website?
- How does the taxonomy system work?
- How are users and permissions managed?
- How can I create the navigation of my website?
- Why does a kitten pass away every time I make a quick fix in the downloaded code?  
How can I prevent that?

**Previous presentations:**

This session was presented at several Drupal camps including BADCamp, MidCamp, Twin Cities, Florida, SANDCamp, Design for Drupal. An example recording is available at <https://www.youtube.com/watch?v=02fvLzPSIjc> The current slidedeck is available at <http://bit.ly/understanding-drupal>

[A full day training of this session is also available.](#)

[Back to top](#)



# Local development environments for Drupal with DDEV [1 hr session]

Presented at the following camps:

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: currently not available.

Slidedeck in Spanish: currently not available.

**Level:** Beginner

**Summary:** Learn to effectively use DDEV for local development of Drupal projects. This session will walk you through a wide array of features for professional Drupal development.

**Twitter:**

**Description:**

DDEV is a powerful, versatile, Docker-based open source tool for local web development. It supports multiple programming languages and platforms. TYPO3 and Craft CMS have adopted DDEV as their official local development tool and Drupal is considering doing the same. In this session, you will learn how to effectively use DDEV for local Drupal development. We will demonstrate many of its features that make collaborating on Drupal projects a breeze.

**Learning objectives:**

Attendees will learn to:

- Set up a Drupal development environment from scratch.
- Import and export databases and files.
- Run Drush commands to administer the website.
- Use web-based interfaces for running database queries and capturing emails.
- Set up XDebug for debugging. PHPStorm and VSCode will be demonstrated.
- Profiling with XHProf.
- Push and pull project updates to different hosting providers.

**Prerequisites:**

No prior knowledge of DDEV or Docker is needed.

**Previous presentations:**

A short version of this session was presented at WordCamp Nicaragua 2021.

[Back to top](#)

# Introduction to content modeling in Drupal [1.5 hr session]

Presented at the following camps:

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: currently not available.

Slidedeck in Spanish: currently not available.

**Level:** Beginner

**Summary:** Learn about Drupal content modeling through hands-on exercises. From creating content types, fields, and views to using Layout Builder and Paragraphs to store and present content in Drupal.

**Twitter:**

**Description:**

Drupal is a powerful and flexible content management system. It does not impose boundaries nor makes assumptions on the content that is stored on the website. Instead, it allows content editors to define their own content model. Content modeling is the process of defining the different types of content needed on the website, their attributes, and the relationship among them. In this hands-on workshop, we will learn about the content modeling features offered by Drupal. We will also highlight the importance of content planning and provide recommendations for creating a content model that is scalable and easy to maintain.

**Learning objectives:**

Through practical examples, attendees will learn to create:

- Content types and attach fields
- Taxonomy vocabularies
- Views
- Relationship among entities: nodes, users, files, taxonomy terms

With the basics in place, we will learn about two popular options for content modeling in Drupal: Layout Builder and Paragraphs.

**Prerequisites:**

Familiarity with Drupal site building concepts is useful, but not required. Watch this presentation for a general overview of Drupal site building <https://www.youtube.com/watch?v=02fvLzPSljc>

**Previous presentations:**

A short version of this session was presented at WordCamp Nicaragua 2021.

[Back to top](#)

# Twig recipes - Custom markup in Drupal 8 - [1 hr session]

Previous name: Twig recipes - Making Drupal 8 render the markup you want

Presented at the following camps: **BADCamp, Twin Cities, New Jersey, DrupalCorn, Design for Drupal, Texas, London, Northern Lights, Costa Rica, and DrupalCon Vienna**

Session recording in English: <https://www.youtube.com/watch?v=IPnplHiPcsY>

Session recording in Spanish: currently not available.

Slidedeck in English: <http://bit.ly/twig-recipes>

Slidedeck in Spanish: <http://bit.ly/recetas-twig>

**Level:** Beginner

**Summary:** Learn the basics of Twig and how Drupal 8 uses it to produce custom markup. An overview of the theme system, template inheritance, and template overriding will be presented.

**Description:**

*“Understanding the process of finding a solution is far more valuable than the solution itself.”*

**Lea Verou**, author of *CSS Secrets*.

The addition of Twig has revolutionized the way we do theming in Drupal 8. Although very powerful and expressive, it is significantly different to what we did before. Using Twig requires us to take a new approach in order to make Drupal produce the markup that we want. This session is aimed at site builders and themers who want to understand how Twig works in Drupal 8. Basic theming concepts will be presented so no prior knowledge is required to attend.

You will learn what a theme is responsible for when generating a Drupal page. Templates, template nesting, and theme debug will also be explained so you know where to look at when trying to modify the default markup. Twig’s syntax, filters, functions, and tests will be presented as the basis for writing templates. All of these in the context of practical examples some of which come from Drupal core itself.

By the end of the session, you will have a better understanding on how Twig works in Drupal 8 and the thought process required to produce custom markup.

**Learning objectives:**

- How to pass information from Drupal to Twig?
- How to conditionally hide/show fields based on the content of other fields?
- How to use image fields as background images?

- How to render node content as HTML attributes?

**Previous presentations:**

This session was presented at DrupalCon Vienna 2017, Design 4 Drupal 2018, and other camps. The latest recording is available at <https://www.youtube.com/watch?v=IPnplHiPcsY> The current slidedeck is available at <http://bit.ly/twig-recipes>

[Back to top](#)

# Drupal 8 Migrations by Example [1 hr session]

Presented at the following camp: **Twin Cities, DrupalCon Nashville**

Session recording in English: <https://www.youtube.com/watch?v=eBP2vQlwx-o>

Session recording in Spanish: currently not available.

Slidedeck in English: <http://bit.ly/migrations-by-example>

Slidedeck in Spanish: currently not available.

**Level:** Beginner

**Summary:** Learn to move content to your Drupal site using the Migrate module without writing a single line of PHP.

**Description:**

Learn to move content to your Drupal site using the Migrate module without writing a single line of PHP. This session is aimed at site builders who will learn to combine various contributed modules and write YAML files to accomplish content migrations. No prior experience with the Migrate module is required.

A live demo will be presented where you will learn how to:

- Fetch data from Comma Separated Values (CSV) files.
- Transform the data to populate taxonomy, date, image, file, and address fields.
- Get content into Paragraphs.

Source, process, and destination plugins will be explained to learn how each affect the migration. By the end of the session, you will have a better understanding on how the Migrate module works and the thought process required to plan and perform migrations.

Note: Although no prior Migrate module knowledge is required, it is expected that you have a basic understanding of nodes, content types, and fields. You can learn about these and other Drupal concepts by watching this session recording

<https://www.youtube.com/watch?v=02fvLzPSIjc>

[A full day training of this session is also available.](#)

[Back to top](#)

# Unraveling Drupal's Migrate API [1 hr session]

Presented at the following camp: []

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: currently not available.

Slidedeck in Spanish: currently not available.

**Level:** Intermediate

**Summary:** [].

**Description:**

The Migrate API is a powerful and flexible system to get content and configuration into Drupal. This presentation will take you behind the curtains to understand how the migration system works and what assumptions it makes. Along the way, we are going to explore how it integrates with other subsystems like the Entity API and Field API for import operations. You will learn about:

- \* The syntax for writing migrations.
- \* Workflows for executing them.
- \* Valid destination options for various entity types.
- \* Valid sub-field targets for different field types.
- \* Transform data to match the format expected by Drupal.
- \* Relationship among entities and how to establish them. For example: file to media to node. Also, nested paragraphs to nodes.
- \* Hooks and events to dynamically modify migrations.

This is an intermediate session. Some familiarity with the Migrate API is expected. This video <https://www.youtube.com/watch?v=NBhkixY-PuA> will serve as a good foundation. Attendees are also expected to be familiar with site building Drupal concepts like nodes, content types, and fields. This video talks about them <https://www.youtube.com/watch?v=02fvLzPSIjc>

[Back to top](#)

# Drupal 7 to 8 Content Migrations [1 hr session]

Presented at the following camp: []

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: currently not available.

Slidedeck in Spanish: currently not available.

**Level:** Intermediate

**Description:**

Attendees will learn to move content from Drupal 7 to 8. A brief discussion of different approaches will be presented and general tips will be provided. Source, process, and destination plugins will be explained to learn how each affects the migration. By the end of the session, you will have a better understanding on how the Migrate ecosystem works and the thought process required to plan and perform migrations.

To get the most out of this session, attendees should have a general sense of how migrations work in Drupal 8. You can learn about that by watching this session recording

<https://www.youtube.com/watch?v=eBP2vQlwx-o>

**Learning objectives:**

- Explore what is possible with an automated Drupal to Drupal migrations.
- Write custom migrations.
- Get content into different types of fields: taxonomy, date, image, file and address, and paragraphs.

[Back to top](#)

# Migrating content into Drupal 8 paragraphs [1 hr session]

Presented at the following camp: []

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: currently not available.

Slidedeck in Spanish: currently not available.

**Level:** Intermediate

**Summary:** Learn how to move content into different types of fields and multivalue paragraphs.

**Description:**

The Paragraph module has been widely adopted in Drupal 8 projects to structure content. It also gives the opportunity to create custom layouts for individual paragraphs. This allows for an authoring experience bound to predefined restrictions, yet permits very flexible designs.

When upgrading to Drupal 8, you might need to store your old content into paragraphs. Through several examples, this session aims to demonstrate how to migrate different types of data into Drupal 8 paragraphs.

To get the most out of this session, attendees should have a general sense of how migrations work in Drupal 8. You can learn about that by watching this session recording

<https://www.youtube.com/watch?v=eBP2vQlwx-o>

**Learning objectives:**

- Get content into different types of fields: taxonomy, date, image, file, and address.
- Get content into different multivalue paragraphs fields.

[Back to top](#)

# Unraveling Drupal's Migrate API [1 hr session]

Presented at the following camp: [\[\]](#)

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: currently not available.

Slidedeck in Spanish: currently not available.

**Level:** Intermediate

**Summary:** Learn the internals of Drupal's Migrate API. You will learn about transforming data, establishing relationships among entities, and altering migrations programmatically.

**Description:**

The Migrate API is a powerful and flexible system to get content and configuration into Drupal. This presentation will take you behind the curtains to understand how the migration system works and what assumptions it makes. Along the way, we are going to explore how it integrates with other subsystems like the Entity API and Field API for import operations. Additionally, we will explore how to alter migrations programmatically.

**Learning objectives:**

- Transforming data to match the format expected by various entity types and sub-field targets.
- Establishing relationships among entities. For example: files to media to nodes. Also, multivalue, nested paragraphs to nodes.
- Dynamically modifying migrations using hooks and events.

**Target audience:**

This session is for people who want a deeper understanding of how Drupal's Migrate API works. Site builders and developers alike will benefit from the content presented.

**Prerequisites**

This is an intermediate session. Some familiarity with the Migrate API is expected. This video <https://www.youtube.com/watch?v=NBhkixY-PuA> will serve as a good foundation. Attendees are also expected to be familiar with site building Drupal concepts like nodes, content types, and fields. This video talks about them <https://www.youtube.com/watch?v=02fvLzPSIjc>

[Back to top](#)

# Behavior Driven Development in Drupal 8 with Behat

## [1 hr session]

Presented at the following camps: []

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: currently not available.

Slidedeck in Spanish: currently not available.

**Level:** Beginner

**Summary:** Learn to use Behat to run BDD tests for Drupal 8. Javascript enabled tests examples will be presented. Running tests from a virtual machine will be exemplified.

**Description:**

Adding test coverage to your website and applications provides lots of benefits. For example, making sure requirements are met and preventing regressions from happening. One of the many approaches for testing is Behavior Driven Development (BDD). This can be accomplished in Drupal 8 using a series of tools: Selenium, Behat, Mink, and Drupal Extension.

This session is for people who want to implement BDD in their Drupal projects. Through examples the role that each tool plays will be presented. The relationship among them and how they build on each other will also be exemplified.

By the end of it you will have an overview of how to use Selenium, Behat, Mink, and Drupal Extension to write BDD tests for Drupal 8.

**Learning objectives:**

- How to set up Behat to run tests for Drupal 8 projects.
- How to write non-javascript enabled tests using driver Goutte driver.
- How to write javascript enabled tests using the Selenium driver.
- How to configure Selenium to run tests from a virtual machine.

**Previous presentations:**

This session was presented at DrupalCon Seattle 2019. The latest recording is available at <https://www.youtube.com/watch?v=pybl8KMPCTU> The current slidedeck is available at <http://bit.ly/drupal-behat>

[Back to top](#)



# Understanding React.js [1 hr session]

Presented at the following camps: ☐

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: currently not available.

Slidedeck in Spanish: currently not available.

**Level:** Beginner

**Summary:** Get a quickstart on React.js by learning basic concepts like components, state, props, context, prop types, lifecycle methods, and JSX via examples.

**Pitch:** Attendees to this workshop will learn the foundations of React.js through practical examples. Starting from a static site, we will slowly convert it to a dynamic JavaScript application. This workshop can be accommodated to be presented as a 45 minutes talk by dropping the hands-on exercises.

**Twitter:** Do you want to get started with #ReactJS? In this session @dinarcon will convert a static site into a dynamic application. Among other things, he will talk about React components, JSX, props, state, and hooks so attendees get a good understanding of the framework.

**Description:**

React.js is one of the top players in the JavaScript libraries world. WordPress has rebuilt its WYSIWYG editor using React. Drupal has recently adopted the library to create admin interfaces. This session aims to explain the basic concepts of React outside of the context of any particular CMS implementation. [Throughout the training, a static site will be converted into a dynamic React application. Along the way, you will learn about different concepts and the process of working with React.] Many examples will be presented to help you understand it works and why it is so powerful. No previous experience with React.js is required. Basic familiarity with HTML, CSS, and JavaScript syntax suffices.

**Learning objectives:**

- What are the benefits of using React.js?
- How much ES6 do I need to know?
- What is a component and how to create it?
- What is a state, props, and context?
- What are proptypes?
- What are lifecycle methods?
- What are hooks?
- What is JSX and what about separation of concerns?
- How to do routing?
- How to work with forms?

**Previous presentations:**

This session has not been presented yet.

[Back to top](#)

# Steps to create a website [1 hr session]

Presented at the following camps: []

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: currently not available.

Slidedeck in Spanish:

<https://docs.google.com/presentation/d/1fVvx9H1qqzHVSuOxGUSFQgVK1VI5tRdULdVKNFEd85U/edit>

**Level:** Beginner

**Summary:** Learn what you need to have a website and which additional services can be integrated. Cost and providers will be presented along with a plan to guide you in the process.

**Pitch:** This session will cover what is needed to create a website and which additional services can be integrated. Domain registration, hosting, site building, maintenance, and other topics will be covered. Cost and providers will be presented as well as a plan to guide the site creation process.

## **Description:**

Learn what is needed to create a website. From registering a domain, to buying hosting, and producing the code. You will also learn about other services that can be integrated like email, visitor analytics, and e-commerce. Costs, providers, and recommendations on how to choose one will be given for all of them. Also, a plan for building websites will be presented. The goal of this session is to give you an overview of the site building process. This will let you take informed decisions in your next web projects.

## **Learning objectives:**

- What do I need to have a website?
- What additional services can be integrated?
- What are the costs of these services?
- What do I need to take into account when selecting providers?
- How do I plan a web project?

## **Previous presentations:**

This session has not been presented yet.

[Back to top](#)

# Getting started with React.js [Full day training]

Presented at the following camps: []

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: currently not available.

Slidedeck in Spanish: currently not available.

**Level:** Beginner

**Summary:** Get a quickstart on React.js by learning basic concepts like components, state, props, context, prop types, lifecycle methods, and JSX via examples.

**Pitch:** Attendees to this workshop will learn the foundations of React.js through practical examples. Starting from a static site, we will slowly convert it to a dynamic JavaScript application. This workshop can be accommodated to be presented as a 45 minutes talk by dropping the hands-on exercises.

**Description:**

React.js is one of the top players in the JavaScript libraries world. WordPress has rebuilt its WYSIWYG editor using React. Drupal has recently adopted the library to create admin interfaces. This session aims to explain the basic concepts of React outside of the context of any particular CMS implementation. [Throughout the training, a static site will be converted into a dynamic React application. Along the way, you will learn about different concepts and the process of working with React.] Many examples will be presented to help you understand it works and why it is so powerful. No previous experience with React.js is required. Basic familiarity with HTML, CSS, and JavaScript syntax suffices.

## Learning objectives

- What are the benefits of using React.js?
- How much ES6 do I need to know?
- What is a component and how to create it?
- What is JSX and what about separation of concerns?
- What is props, state, and context?
- What are proptypes?
- What are hooks?
- How to do routing?
- How to work with forms?
- What are class components and lifecycle methods?

## Syllabus/Agenda

- An introduction to React.js
- Creating your first element.

- Introducing JSX.
- Creating reusable components.
- Validating component properties.
- Adding state management with hooks.
- Lifting state to parent components.
- Adding routes.
- Creating forms and handling user input.
- Leveraging context.
- A primer on class components and lifecycle methods.

## **Prerequisites**

No previous experience with React.js is needed. Familiarity with JavaScript syntax is expected.

## **Target audience**

Anyone who wants a quick start into React.js for building web applications. No previous experience with the library is required. In a single day, you will understand the basic concepts of React.js and how to convert a static site into a dynamic web application. [Get tickets now!](#)  
Setup instructions

A web browser is all that is needed to take the workshop. Installing the React DevTools is highly recommended. They are available for Firefox, Chrome, and (Chromium) Edge. The examples can be executed using a local web server. PHP, Python, Node.js all provide one out the box. It is also possible to run the examples on <https://codesandbox.io/>

## **Previous presentations:**

This session has not been presented yet.

[Back to top](#)

# Getting started with Drupal [Full day training]

Presented at the following camps: **BADCamp, Twin Cities, New Jersey, DrupalCorn, and Global Training Day events in Nicaragua**

Session recording in English: currently not available.

Session recording in Spanish: [https://www.youtube.com/watch?v=o\\_w1OYCngVc](https://www.youtube.com/watch?v=o_w1OYCngVc)

Slidedeck in English: <http://bit.ly/getting-started-with-drupal>

Slidedeck in Spanish: currently not available.

**Course level:** Beginner

**Summary:** Learn to build a simple, fully functional Drupal site in a day. This training is full of hands-on, guided exercises that will allow you to get comfortable with Drupal's administration interface and the building blocks used to assemble websites. By the end of the day, you will understand core concepts and will know what to do when your site requires changes.

## **Course description:**

This training is for people who want to get a solid foundation in Drupal site building. Basic concepts will be explained and put into practice through various exercises. The objective is that someone, who might not even know about Drupal, can understand the different concepts and building blocks to create a website. A simple, fully functional website will be built throughout the day.

With hands-on, guided exercises from start to finish, attendees will have the opportunity to get comfortable with Drupal's administration interface. They will understand how different concepts relate to each other: nodes, content types, fields, views, users, blocks, taxonomy terms, and menus. By the end of the training, they will be able to identify the different building blocks of a Drupal site and know where to look when modifications are needed.

## **Learning objectives:**

- Understand Drupal installation requirements and process.
- Create nodes and content types.
- Configure fields of different types.
- Display listings of content using views.
- Learn how the user and permissions system works.
- Understand how the taxonomy system works.
- Add elements to menus.
- Place blocks and control their visibility.

- Install and configure contributed modules and themes.

## **Syllabus/Agenda**

- Step through the Drupal installation process.
- Create nodes and understand their properties.
- Create content types and add fields.
- Explain the taxonomy system.
- Create views and explain the different sections of the building interface.
- Create blocks.
- Add elements to the menu.
- Install and configure contributed modules and themes.
- Explain how Drupal can be extended to meet specific project needs.

## **Prerequisites:**

A working Drupal 8 installation. It does not have to be on your machine. Online services like pantheon.io can be used.

## **Target audience:**

Anyone who wants a quick start into Drupal site building. No previous experience with Drupal is required. In a single day, you will understand how Drupal assembles a website and will have a simple, fully functional site created by yourself.

## **Setup instructions:**

It is recommended to use a hosting provider that offers free test Drupal 8 installations. For example <https://pantheon.io/>

## **Previous presentations:**

This workshop has been presented at the following camps: BADCamp, Twin Cities, New Jersey, and DrupalCorn. It has also been presented at local meetups. The current slidedeck is available at <http://bit.ly/getting-started-with-drupal>

[A 1hr session of this training is also available.](#)

[Back to top](#)

# Drupal 8 migrations quickstart guide [Half day training]

Presented at the following camp: **DrupalCon Nashville**

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: <http://bit.ly/migrations-by-example>

Slidedeck in Spanish: currently not available.

**Course level:** Beginner

**Summary:** Learn how the migrate system works in Drupal 8 with hands-on examples. Move content into different field types including image, address, and paragraphs. No PHP coding required.

**Course description:**

Learn to move content into Drupal using the Migrate API. A short overview of the Extract-Transform-Load (ETL) pattern that migrate implements will be presented. Source, process, and destination plugins will be explained to learn how each affect the migration. By the end of the workshop, you will have a better understanding on how the migrate ecosystem works and the thought process required to plan and perform migrations. All examples will use YAML files to configure migrations. No PHP coding required.

**Learning objectives:**

- Import data from CSV and JSON files.
- Transform the data to populate taxonomy, date, image, file, and address fields.
- Get content into Paragraphs.

**Syllabus/Agenda**

- Overview of the migrate API.
- Defining migration via YAML configuration files.
- Dissecting a migration: source, process, and destination plugins.
- Migrating from a JSON endpoint.

**Pre-requisites:**

A working Drupal 8 installation is required. It is possible to follow the examples using a hosted Drupal set up. If you prefer a local installation, it is recommended to set it up using composer.

Some modules used in the example require composer to be installed. DrupalVM is a great development e

Although no prior Migrate module knowledge is required, it is expected that you have a basic understanding of nodes, content types, and fields. You can learn about these and other Drupal concepts by watching this session recording <https://www.youtube.com/watch?v=02fvLzPSIjc>

**Setup instructions:**

If you decide to install the following contrib modules: Address, Entity reference revisions, Migrate plus, Migrate source csv, Migrate tools, and Paragraphs.

**Previous presentations:**

This workshop was presented at DrupalCon Nashville 2017. A 1-hour version in session format has been presented in Twin Cities Drupal Camp, Drupal Camp Costa Rica, and a London meetup. A recording of the first time the session was presented is available at <https://www.youtube.com/watch?v=eBP2vQlwx-o>

[Back to top](#)

# Drupal 9 content migrations [Full day training]

Presented at the following camp: []

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: currently not available.

Slidedeck in Spanish: currently not available.

**Course level:** Beginner

**Course description:**

Learn to move content to Drupal 9 using the Migrate module without writing a single line of PHP. This training is aimed at site builders who will learn to combine various core and contributed modules and write YAML files to accomplish content migrations. No prior experience with the Migrate module is required.

Source, process, and destination plugins will be explained to learn how each affect the migration. By the end of the session, you will have a better understanding on how the Migrate module works and the thought process required to plan and perform migrations.

Note: Although no prior Migrate module knowledge is required, it is expected that you have a basic understanding of nodes, content types, and fields. You can learn about these and other Drupal concepts by watching this session recording

<https://www.youtube.com/watch?v=02fvLzPSIjc>

**Learning objectives:**

- Import data from CSV and JSON files.
- Learn to run migrations from the user interface and the command line with Drush.
- Transform the data to populate taxonomy, date, image, file, and address fields.
- Get content into Paragraphs.
- Learn to debug migrations.

**Syllabus/Agenda**

- Overview of the migrate API.
- Defining migration via YAML configuration files.
- Dissecting a migration: source, process, and destination plugins.
- Migrating from a JSON endpoint.
- Running migrations from the user interface.
- Using constants and pseudo fields to store temporary migrate data.

- Migrating from CSV files.
- Running migrations from the command line using Drush.
- Setting targets for sub fields.
- Defining migration dependencies.
- Reverting migrations.
- Tips for debugging migrations.

## Who Will Gain the Most From This Training?

People who want to learn about the workflow and thought process to migrate data into Drupal 8/9. There will be plenty of hands-on examples to demonstrate different migration concepts and how they can be used to import data into different types of fields. Time will also be allocated to answer attendee's project specific questions for topics not covered in the predefined material.

### Pre-requisites:

Although no prior Migrate module knowledge is required, it is expected that you have a basic understanding of nodes, content types, and fields. You can learn about these and other Drupal concepts by watching this session recording <https://www.youtube.com/watch?v=02fvLzPSljc>

A working Drupal 9 installation is required. It is possible to follow some examples using a hosted Drupal service like pantheon.io To get the most out of the training a local installation is needed. Installing Drupal locally using [composer](#) is recommended.

Drush needs to be installed in order to run migrations from the command line. [Xdebug](#) and [PHPStorm](#) are used for the debugging example (techniques apply for other debuggers and IDEs).

It is highly recommended to use [DrupalVM](#) and configure it to use the [drupal composer template](#). Follow the [quickstart guide](#) to install DrupalVM with the xdebug extra package. Install the following contrib modules: Address, Entity reference revisions, Migrate plus, Migrate source csv, Migrate tools, and Paragraphs. Assistance can be provided before the training starts, but it is better to come with your local environment already set up.

### Setup instructions:

Follow the [quickstart guide](#) to install [DrupalVM](#) with the xdebug extra package. Install the following contrib modules: Address, Entity reference revisions, Migrate plus, Migrate source csv, Migrate tools, and Paragraphs. Assistance can be provided before the training starts, but it is better to come with your local environment already set up.

### Tell us about your trainers:

Mauricio Dinarte ([dinarcon](#) on drupal.org) has been working with Drupal for over 8 years. He brings his expertise in backend development and Drupal migrations to projects for clients in different sectors including government, education, and NGOs. Mauricio is very passionate about teaching. Over the last few years, Mauricio has presented 25+ sessions and full day trainings in 12+ DrupalCamps and DrupalCons over America and Europe. He has developed educational material in English, Spanish, and French.

Benjamin Melançon ([mlncn](#) on drupal.org) has been working with Drupal for over 12 years. Having co-written a book on Drupal and dozens of contributed modules, he has deep understanding of Drupal internals. For client projects, Benjamin is able to use its expertise in frontend, backend, and infrastructure to make sure requirements and expectations are met. He is also a frequent speaker at DrupalCamps in North America.

### **Experience presenting this training**

This training was presented at DrupalCamp Twin Cities 2018. A half version of it was presented at DrupalCon Nashville 2018. I have also presented migrate related sessions at various DrupalCamps.

[A 1hr session of this training is also available.](#)

[Back to top](#)

# Drupal 9 content migrations [Half-day training]

Learn to move content into Drupal 9 using the Migrate API. A short overview of the Extract-Transform-Load (ETL) pattern that migrate implements will be presented. Source, process, and destination plugins will be explained to learn how each affects the migration pipeline. By the end of the training, you will have a better understanding on how the migrate ecosystem works and the thought process required to plan and perform migrations. All examples will use YAML files to configure migrations. No PHP coding required.

## Learning Objectives

- \* Import data from CSV files.
- \* Transform the data to populate different types of fields.
- \* Learn to run migrations from the command line with Drush.

## Prerequisites

Although no prior Migrate module knowledge is required, it is expected that you have a basic understanding of nodes, content types, and fields. A working Drupal 9 installation is required. To get the most out of the training a local installation is needed. Installing Drupal locally using composer is recommended. Drush needs to be installed in order to run migrations from the command line. Instructions to configure a local installation will be provided in advance.

## Target Audience

People who want to learn about the workflow and thought process to migrate data into Drupal 9. There will be plenty of hands-on examples to demonstrate different migration concepts and how they can be used to import data into different types of fields. Time will also be allocated to answer attendee's project specific questions for topics not covered in the predefined material.

[Back to top](#)

# Upgrading to Drupal 8/9 using the Migrate API

## [Half-day training]

Presented at the following camp: [\[\]](#)

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: currently not available.

Slidedeck in Spanish: currently not available.

**Course level:** Advanced

### **Course description:**

Learn to use the Migrate API to upgrade your Drupal 6/7 site to Drupal 8/9. Check how the automated upgrade procedure can help you get a head start in writing the migrations. You will have the opportunity to change your site's information architecture as part of the upgrade process

With the maturity of Drupal 8 and version 9 already available, now is a great time to upgrade your site from Drupal 6 or 7. In this training, you will learn how to plan and execute successful upgrade projects.

You will learn different migration strategies, how to accommodate changes in site architecture, tips on troubleshooting issues, and much more.

### **Summary:**

Learn to use the Migrate API to upgrade your Drupal 6/7 site to Drupal 8/9. Test how the automated upgrade procedure can help you get a head start in writing the migrations. You will have the opportunity to change your site's information architecture as part of the upgrade process.

### **Learning objectives:**

- Understand the different approaches to upgrading your site to Drupal 8/9 using the Migrate API.
- Revise site architecture and map configuration from previous site to the new one (content types, fields, etc).

### **Syllabus/Agenda**

- Planning your Drupal upgrade project.

- Analysing different migration approaches.
- Running the Drupal to Drupal automated upgrade procedure.
- Modifying migration files to match changes in site's architecture.
- Managing dependencies among migrations.
- Migrating into media entities and paragraphs.
- Writing migrations for modules that do not offer upgrade paths.
- Troubleshooting issues with Drupal upgrade migrations.

## Who Will Gain the Most From This Training?

Individuals and organizations who want to upgrade their Drupal 6/7 sites to Drupal 8. They will learn about the workflow and thought process to execute a successful upgrade project. There will be plenty of hands on examples to demonstrate different migration strategies even for modules that do not offer automatic upgrade paths. Time will also be allocated to answer attendee's project specific questions for topics not covered in the predefined material.

### Pre-requisites:

This is an advanced course. You should be familiar with source, process, and destination plugins; how the process pipeline works; and how to execute migrations from the command line via Drush. Understanding the migrations in this demo repo

[https://github.com/dinarcon/mbe\\_professors](https://github.com/dinarcon/mbe_professors) suffices to take this training. Note that such repository is not the one we will be covering in this training. You can also have a look at this video <https://www.youtube.com/watch?v=02fvLzPSIjc> for an overview of the Migrate API.

A working Drupal 8 installation is required. It has to be [composer](#)-based as we will be using modules that require such functionality. Drush needs to be installed in order to run migrations from the command line. [Xdebug](#) and [PHPStorm](#) are used for the debugging example (techniques apply for other debuggers and IDEs).

It is highly recommended to use [DrupalVM](#) and configure it to use the [drupal composer template](#). Follow the [quickstart guide](#) to install DrupalVM with the xdebug extra package. Install the following contrib modules: Address, Entity reference revisions, Migrate plus, Migrate source csv, Migrate tools, and Paragraphs. Assistance can be provided before the training starts, but it is better to come with your local environment already set up.

### Setup instructions:

Follow the [quickstart guide](#) to install [DrupalVM](#) with the xdebug extra package. Install the following contrib modules: Address, Entity reference revisions, Migrate plus, Migrate source csv, Migrate tools, and Paragraphs. Assistance can be provided before the training starts, but it is better to come with your local environment already set up.

### Tell us about your trainers:

Mauricio Dinarte ([dinarcon](#) on drupal.org) has been working with Drupal for over 8 years. He brings his expertise in backend development and Drupal migrations to projects for clients in different sectors including government, education, and NGOs. Mauricio is very passionate about teaching. Over the last few years, Mauricio has presented 25+ sessions and full day trainings in 12+ DrupalCamps and DrupalCons over America and Europe. He has developed educational material in English, Spanish, and French.

Benjamin Melançon ([mlncn](#) on drupal.org) has been working with Drupal for over 12 years. Having co-written a book on Drupal and dozens of contributed modules, he has deep understanding of Drupal internals. For client projects, Benjamin is able to use its expertise in frontend, backend, and infrastructure to make sure requirements and expectations are met. He is also a frequent speaker at DrupalCamps in North America.

### **Experience presenting this training**

This training was presented at DrupalCamp Twin Cities 2018. A half version of it was presented at DrupalCon Nashville 2018. I have also presented migrate related sessions at various DrupalCamps.

[A 1hr session of this training is also available.](#)

[Back to top](#)

# Upgrading to Drupal 9 using the Migrate API

## [Half-day training]

Drupal 9 is out! Learn to use the Migrate API to upgrade your Drupal 6/7 site to Drupal 8/9. In this training we will teach you what tools are available to accomplish the task and how to use them. You will also learn how to plan and execute successful upgrade projects. The examples include how to perform changes in content architecture between the sites. Migration of different field types will be presented.

### Learning Objectives

- \* Understand the different approaches to upgrading your site to Drupal 9 using the Migrate API.
- \* Learn to plan and execute migration projects.
- \* Revise site architecture and map configuration from previous site to the new one (content types, fields, etc).

### Target Audience

Individuals and organizations who want to upgrade their Drupal 6/7 sites to Drupal 8/9. They will learn about the workflow and thought process to execute a successful upgrade project.

### Prerequisites

To get the most out of this session, attendees should be familiar with Migrate API concepts. You can learn about them at <https://understanddrupal.com/31-days-of-migrations> You can also have a look at this video <https://www.youtube.com/watch?v=eBP2vQlwx-o> for an overview of the Migrate API.

[Back to top](#)



# Behavior Driven Development in Drupal 8 with Behat

## [Full day training]

Presented at the following camps: []

Session recording in English: currently not available.

Session recording in Spanish: currently not available.

Slidedeck in English: currently not available.

Slidedeck in Spanish: currently not available.

**Course level:** Intermediate

**Course description:**

Adding test coverage to your website and applications provides lots of benefits. For example, making sure requirements are met and preventing regressions from happening. One of the many approaches for testing is Behavior Driven Development (BDD). This can be accomplished in Drupal 8 using a series of tools: Selenium, Behat, Mink, and Drupal Extension.

This training is for people who want to implement BDD in their Drupal projects. Through examples the role that each tool plays will be presented. The relationship among them and how they build on each other will also be exemplified.

By the end of the it you will have an overview of how to use Selenium, Behat, Mink, and Drupal Extension to write BDD tests for Drupal 8.

**Learning objectives:**

- How to set up Behat to run tests for Drupal 8 projects.
- How to write non-javascript enabled tests using driver Goutte driver.
- How to write javascript enabled tests using the Selenium driver.
- How to write tests for Chrome using ChromeDriver.
- How to write tests for Firefox using GeckoDriver.
- How to configure Selenium to run tests from a virtual machine.
- How to configure Selenium to write tests from your host machine (no virtual machine).
- How to use phpunit and Facebook's php-webdriver as an alternative approach to BDD testing

**Pre-requisites:**

A working Drupal 8 local installation. Attendees need to feel comfortable working with the command line. They also need [composer](#) and be able to install packages. To work with [Selenium](#), a java runtime environment is required. [Vagrant](#) and [Virtualbox](#) are used in the virtual

machine examples. It is highly recommended to use [DrupalVM](#) and configure it to use the [drupal composer template](#) (this is the default setup).

**Setup instructions:**

Follow the [quickstart guide](#) to install DrupalVM.

[A 1hr session of this training is also available.](#)

[Back to top](#)