How we moved our Company site to **Drupal 8**

by Dave Vasilevsky & Jorge Diaz
WHO WILL STAND HERE?
And will try to do their best in the next 45 minutes...

I’M DAVE, AND I’VE BEEN WORKING WITH EVOLVINGWEB FOR OVER FIVE YEARS

BACK-END DEVELOPMENT AND DEVOPS, SINCE DRUPAL 6
INTRO

MY NAME IS JORGE DIAZ AND I’VE BEEN WORKING WITH DRUPAL FOR MORE THAN 9 YEARS.

I WORK AS A DRUPAL THEMER & FRONT-END DEVELOPER AT EVOLVINGWEB.

WHO WILL STAND HERE?
And will try to do their best in the next 45 minutes...
WHO WILL STAND HERE?

And will try to do their best in the next 45 minutes...
INTRO

I WAS BORN IN THE MAGICAL CITY OF HAVANA, 30 YEARS AGO BUT DRUPAL TOOK ME TO MONTREAL

WHO WILL STAND HERE?

And will try to do its best in the next 60 minutes…
WHO WE ARE
A passionate team of Drupal Developers based in Montreal, QC.

DRUPAL CONSULTING, DEVELOPMENT AND TRAINING

FOUNDED IN 2007 BY SUZANNE KENNEDY & ALEX DERGACHEV.

HELP ORGANIZATIONS BUILD AWESOME DRUPAL WEBSITES WITH CUSTOM FUNCTIONALITY.
WE SPECIALIZE IN DRUPAL
From standard websites to advanced content management tools.
SOME BIG FISH HAVE HIRED US

Mostly in North America, we have a huge variety of clients.
MEET OUR DRUPAL 7 SITE

As of November 2015
INTRO

OUR LEGACY SITE

Setup, status and function in the Business.

DRUPAL 7 SITE BUILT IN 2011
Trainings & Blog Posts mostly.

INITIALLY CREATED IN D6 ON 2009
And then migrated from D6 to D7

AN ACCEPTABLE VOLUME OF TRAFFIC
Mostly from Blog Posts and the Trainings.

THE CORE OF OUR TRAINING PROGRAM
Training Schedule, Courses Info and the gateway to EventBrite

NOT READY FOR MOBILE DEVICES
As it was built when it wasn’t that trending...
PROBLEMS? Mmmm.... a few
Setup, status and function in the Business.

INTRO
WE WERE SO DEDICATED TO OUR CLIENTS
That we didn’t had time to work on our backyard

WE WANTED TO REDESIGN
Our design was almost 8 years old

DRUPAL 8 WAS FRESH
And that for sure was tempting...

NOT MOBILE FRIENDLY
In 2015? 😊
A NEW REDESIGN WAS READY
And it is so tempting...
WE HAVE TO MOVE NOW

As of November 2015
DRUPAL 8 UPGRADE PROCESS

As seen from the International Space Station.

1 – DRUPAL SITE BUILDING/DEV
Modules, Theme, site building, coding...

2 – SETUP DEV ENVIRONMENT
The Database, Web server, Version Control Repo...

3 – MIGRATE & ADD CONTENT
Pull all data in, add the new one...

4 – TEST, TEST & TEST
All paths are the same & everything is where it should be.
THANKS!!!
For Your Precious
Time and Attention.

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DRUPAL 8 UPGRADE PROCESS
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All paths are the same & everything is where it should be.
THE DRUPAL 8 SITE BUILDING COMPONENTS
THE DRUPAL 8
SITE BUILDING
COMPONENTS

THEMES
LIBRARIES
STRUCTURE
MODULES
CUSTOM

@djvasi  @jorgediazhav

@djvasi  @jorgediazhav
THE DRUPAL 8 SITE BUILDING COMPONENTS

AVAILABLE THEMES
Ready and almost ready to go.
THE DRUPAL 8 SITE BUILDING COMPONENTS

132,655 Reported Installs

+ 18k for Drupal 8
THE DRUPAL 8 SITE BUILDING COMPONENTS

PRESENTATION LAYER
Right into the Browser...

DEVELOPMENT LAYER
Coding and wireframing

BASE THEME
The most advanced contrib D8 Theme
Available Modules

Ready and almost ready to go.
ALTERNATIVES
Ready and almost ready to go.

WEBFORM

CONTACT

CONTACT STORAGE

CONTACT BLOCK
The KEY is to REPRODUCE FUNCTIONALITY
THE DRUPAL 8 SITE BUILDING COMPONENTS

CORE MODULES
Views, Contact Forms, Block Management, Multilingual support...

CONTRIB COMPONENTS
Bootstrap 3 Theme, Contact Storage, Contact Block, DISQUS, Redirect, Google Analytics, Images Effects...

CONFIG MANAGEMENT
Drupal 8 Magic...
THE DRUPAL 8 SITE BUILDING COMPONENTS

CONFIG MANAGEMENT
Drupal 8 Magic...

CORE MODULES
Views, Contact Forms, Block Management, Multilingual support...

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THE DRUPAL 8 SITE BUILDING COMPONENTS

CONFIGURATION MANAGEMENT
Drupal 8 Magic...

- Bootstrap 3 Theme
- Enabled Modules
- Modules Configuration
- Multilingual Configuration

- Created new Content Types
- Created all Views
- Blocks Positioning
- Views, Content Types and Fields Translations

@djvasi @jorgediazhav
THE DRUPAL 8
SITE BUILDING
COMPONENTS

CONFIG MANAGEMENT
Drupal 8 Magic...

NOW ALL GOES TO CONFIG

Bootstrap 3
Theme

Enabled
Modules

Multilingual
Configuration

Created new
Content Types

Created all
Views

Modules
Configuration

Content
Types and Fields
Translations

evolvingweb
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THE DRUPAL 8
SITE BUILDING
COMPONENTS

WE TRACK EVERY SINGLE CHANGE
And have a skeleton site without Content

Codebase

git
THE DRUPAL 8
SITE BUILDING
COMPONENTS

WE TRACK EVERY SINGLE CHANGE
And have a skeleton site without Content
We track every single change and have a skeleton site without content.
THE DRUPAL 8 SITE BUILDING COMPONENTS

WE TRACK EVERY SINGLE CHANGE
And have a skeleton site without Content

Whoever clones our repo REPRODUCES THE EMPTY SITE
OVERALL PROCESS

INTRO

Modules
Theme
Definition
THE DEV ENVIRONMENT
TRADITIONAL WEB SERVER

Which is OK.
THE DEV ENVIRONMENT

TRADITIONAL WEB SERVER

Which is OK.
BUILDING CONTAINERS
Is so damn good!
BUILDING CONTAINERS

Is so damn good!
BUILDING CONTAINERS
Is so damn good!
THE DEV ENVIRONMENT

BUILDING CONTAINERS

Is so damn good!
THE DEV ENVIRONMENT

BUILDING CONTAINERS
Is so damn good!
BUILDING CONTAINERS
Is so damn good!
THE DEV ENVIRONMENT

BUILDING CONTAINERS
Is so damn good!
THE DEV ENVIRONMENT

BUILDING CONTAINERS
Is so damn good!

docker

VAGRANT

@djvasi @jorgediazhav
THE DEV ENVIRONMENT

BUILDING CONTAINERS
Is so damn good!
THE DEV ENVIRONMENT

BUILDING CONTAINERS
Is so damn good!
THE DEV ENVIRONMENT

THIS APPROACH SOLVES THE "Works on my machine" EXCUSE
OVERALL PROCESS

INTRO

Dev Env

Modules
Theme
Definition
THE DRUPAL 8 SITE BUILDING COMPONENTS

WE TRACK EVERY SINGLE CHANGE
And have a skeleton site without Content

Codebase

Modules + Themes

CONFIG

git

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evolvingweb
THE DRUPAL 8
SITE BUILDING
COMPONENTS

WE TRACK EVERY SINGLE CHANGE
And have a skeleton site without Content

Whoever clones our repo
REPRODUCES THE EMPTY SITE
WE TRACK EVERY SINGLE CHANGE
And have a skeleton site without Content

Whoever clones our repo REPRODUCES THAT EMPTY SITE?
CONTENT FLOW STRATEGY
CONTENT FLOW STRATEGY

CONTENT TYPES & TAXONOMIES
- Trainings, Tags & Blog Posts mostly.

FEATURES
- Contact forms, DISQUS Integration, Multilingual Support...

USERS
- Related to Blog Posts and additional registered users.

NEW CONTENT EVERY WEEK
- Content editing doesn't have a freeze stage.

Old Drupal 7 Site

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NEW CONTENT STRATEGY
3 New Menus (Navigation, Footer & Subsections)

NEW CONTENT
Testimonials & Team Member Info.

IMPROVE EXISTING CONTENT
Training Courses, Projects and Services.

NEW MARKETING BLOCKS
To be used in the whole site redesign.

FULL MULTILINGUAL SUPPORT
The UI and every new content needs to be in EN & FR.

A RESPONSIVE WEBSITE
Completely redesigned.
CONTENT FLOW STRATEGY

EXISTING CONTENT AND USERS

NEW CONTENT

NEW FEATURES

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CONTENT FLOW STRATEGY

EXISTING CONTENT AND USERS
CONSTANTLY CHANGING

NEW FEATURES

NEW CONTENT CONSTANTLY CHANGING
CONTENT FLOW STRATEGY

HOW TO HANDLE THIS?

EXISTING CONTENT AND USERS

CONSTANTLY CHANGING

NEW FEATURES

CONSTANTLY CHANGING
CONTENT FLOW STRATEGY

HOW TO HANDLE THIS?

EXISTING CONTENT AND USERS

CONSTANTLY CHANGING

NEW FEATURES

CONSTANTLY CHANGING
CONTENT FLOW STRATEGY

HOW TO HANDLE THIS?

CONTENT MANAGER

SITE BUILDER

FRONT-END DEVELOPER

BACKEND DEVELOPER

CONSTANTLY CHANGING
A MAIN DB TO KEEP EVERYONE IN SYNC?
CONTENT FLOW STRATEGY

EACH CONTAINER WITH ITS OWN DB

MySQL

MySQL

MySQL
CONTENT, USERS & TAXONOMIES WILL BE CONSTANTLY CHANGING DURING THE DEV PROCESS
MIGRATIONS
MIGRATIONS

LET'S JUST PULL ALL DATA IN

USER, BLOG POSTS AND TAGS
LETS JUST PULL ALL DATA IN

MIGRATIONS

CONTENT STAGING ENVIRONMENT

USER, BLOG POSTS AND TAGS

NEW CONTENT, BLOCKS, REDIRECTS & MENU ENTITIES
LET'S JUST PULL ALL DATA IN

MIGRATIONS

CONTENT STAGING ENVIRONMENT

USER, BLOG POSTS AND TAGS

NEW D8 SITE

NEW CONTENT, BLOCKS, REDIRECTS & MENU ENTITIES
MIGRATIONS

LETS JUST PULL ALL DATA IN

CONTENT STAGING ENVIRONMENT

staging

USER, BLOG POSTS AND TAGS

NEW CONTENT, BLOCKS, REDIRECTS & MENU ENTITIES

d7
WHY DO WE NEED CONTENT STAGING?

INFORMATION ARCHITECTURE CHANGES ARE PAINFUL

THE FINAL SITE SHOULD HAVE A CLEAN DB

CLIENTS CAN WORK ON CONTENT WITHOUT INTERFERING WITH DEV
CONTINUOUS MIGRATION

MIGRATIONS

BUILD

NEW CONTENT ON STAGING

FIXED SOME URL PATHS ON SOME NODES

NEW CONTENT ON D7 PROD

@djvasi @jorgediazhav
drush mi --group=d7

Processed 230 items (230 created, 0 updated, 0 failed, 0 ignored) - done with 'd7_tags'
Processed 20 items (20 created, 0 updated, 0 failed, 0 ignored) - done with 'd7_user'
Processed 151 items (149 created, 2 updated, 0 failed, 0 ignored) - done with 'd7_blog'

REFERENCED FILES ARE MOVED TOO
MIGRATIONS

drush mi --group=staging

Processed 27 items (27 created, 0 updated, 0 failed, 0 ignored) -
done with 'staging_block_basic'
Processed 5 items (5 created, 0 updated, 0 failed, 0 ignored) - done
with 'staging_city'
Processed 10 items (10 created, 0 updated, 0 failed, 0 ignored) -
done with 'staging_client'
Processed 26 items (13 created, 13 updated, 0 failed, 0 ignored) -
done with 'staging_page'
Processed 1 item (1 created, 0 updated, 0 failed, 0 ignored) - done
with 'staging_redirect'
Processed 6 items (3 created, 3 updated, 0 failed, 0 ignored) - done
with 'staging_service'
Processed 10 items (5 created, 5 updated, 0 failed, 0 ignored) - done
with 'staging_team_member'
Processed 0 items (0 created, 0 updated, 0 failed, 0 ignored) - done
with 'staging_testimonial'
Processed 6 items (3 created, 3 updated, 0 failed, 0 ignored) - done
with 'staging_level'
Processed 6 items (3 created, 3 updated, 0 failed, 0 ignored) - done
with 'staging_menu_contact'
Processed 4 items (2 created, 2 updated, 0 failed, 0 ignored) - done
with 'staging_menu_courses'
Processed 26 items (20 created, 6 updated, 0 failed, 0 ignored) -
done with 'staging_training'
Processed 13 items (12 created, 1 updated, 0 failed, 0 ignored) -
done with 'staging_course'
Processed 14 items (7 created, 7 updated, 0 failed, 0 ignored) - done
with 'staging_menu_footer'
Processed 22 items (11 created, 11 updated, 0 failed, 0 ignored) -
done with 'staging_menu_main'
Processed 15 items (13 created, 2 updated, 0 failed, 0 ignored) - done
with 'staging_project'
Processed 9 items (5 created, 4 updated, 0 failed, 0 ignored) - done
with 'staging_menu_training'
drush mi -group=staging

Processed 1 item (0 created, 0 updated, 0 failed, 0 ignored) - done with 'staging_block_basic'
Processed 1 item (0 created, 0 updated, 0 failed, 0 ignored) - done with 'staging_city'
Processed 1 item (0 created, 0 updated, 0 failed, 0 ignored) - done with 'staging_client'
Processed 26 items (0 created, 26 updated, 0 failed, 0 ignored) - done with 'staging_page'
Processed 1 item (0 created, 0 updated, 0 failed, 0 ignored) - done with 'staging_redirect'
Processed 6 items (0 created, 6 updated, 0 failed, 0 ignored) - done with 'staging_service'
Processed 10 items (0 created, 10 updated, 0 failed, 0 ignored) - done with 'staging_team_member'
Processed 1 item (0 created, 0 updated, 0 failed, 0 ignored) - done with 'staging_testimonial'
Processed 6 items (0 created, 6 updated, 0 failed, 0 ignored) - done with 'staging_level'
Processed 4 items (0 created, 4 updated, 0 failed, 0 ignored) - done with 'staging_menu_contact'
Processed 12 items (0 created, 12 updated, 0 failed, 0 ignored) - done with 'staging_training'
Processed 3 items (0 created, 3 updated, 0 failed, 0 ignored) - done with 'staging_menu_footer'
Processed 14 items (0 created, 14 updated, 0 failed, 0 ignored) - done with 'staging_menu_main'
Processed 22 items (0 created, 22 updated, 0 failed, 0 ignored) - done with 'staging_project'
Processed 7 items (0 created, 7 updated, 0 failed, 0 ignored) - done with 'staging_menu_training'
MIGRATIONS ARE MULTILINGUAL
We migrate Entities and their translations

MENU LINKS IMPORT/EXPORT
Keeping hierarchy

PATHS & REDIRECTS
To avoid affecting SEO

REFERENCED FILES
Copying only the files we need

HTTP AUTH IN MIGRATE
To keep staging secret

UI TRANSLATIONS EXPORT
Using .po files with only the new custom translations
CHECKING MIGRATIONS

MIGRATIONS

SITEDIFF
Check that no links are missing
### Migrations

We have our own tool.

<table>
<thead>
<tr>
<th>Path</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>/filter/tips</td>
<td></td>
</tr>
<tr>
<td>/node/add</td>
<td></td>
</tr>
<tr>
<td>/node/add/article</td>
<td></td>
</tr>
<tr>
<td>/node/add/lorem</td>
<td></td>
</tr>
<tr>
<td>/node/add/page</td>
<td></td>
</tr>
<tr>
<td>/user</td>
<td></td>
</tr>
<tr>
<td>/user/password</td>
<td></td>
</tr>
<tr>
<td>/user/register</td>
<td></td>
</tr>
</tbody>
</table>
WE HAVE OUR OWN TOOL
WE HAVE OUR OWN TOOL

Add content

**Article**

Use *articles* for time-sensitive content like news.

**Basic page**

Use *basic pages* for your static content, such as contact forms.

**Lorem**

A test content type

Add content

**Article**

Use *articles* for time-sensitive content like news.

**Basic page**

Use *basic pages* for your static content, such as contact forms.
WE HAVE OUR OWN TOOL

WE HAVE OUR OWN TOOL

github.com/evolvingweb/sitediff
WE JUST HAD TO BUILD & WRITE CONTENT

INTRO

Dev Env

Modules
Theme
Definition

Content
Flow
Strategy

BUILD!
RESULTS
THE SITE

100% Multilingual, all content pulled from both sides…
DOCKER APPROACH

RESULTS

CONTENT MANAGER

SITE BUILDER

FRONT-END DEVELOPER

BACKEND DEVELOPER
CONTENT STAGING

RESULTS

CONTENT STAGING ENVIRONMENT

OLD WEBSITE

STAGING

SITE
CONTENT STAGING

RESULTS

CONTENT STAGING ENVIRONMENT

OLD

NEW

SITE
And more, and more…

RESULTS

By the end of the training, participants will be able to:

- Understand the impact that internationalization support can have on a Drupal site.
- Identify the elements on Drupal's user interface that handle internationalization.
- Understand how to configure the multilingual settings for a particular language to meet the needs of multilingual users.
- Access the different ways Drupal handles internationalization in various modules and languages.
- Learn how to configure content and user interface modules for multilingual users.
- Using the Drupal multilingual interface, users can easily select a language for their content.
- Understand the challenges of delivering Drupal's user interface, but don't let it trip you up.
- Use Drupal's multilingual interface to improve user experience and increase site usability.

On the request course, we offer privacy-loving features, including:

- Contact Form 7
- Game trailers
- Newsletter
- Phone number
- Message

Start course
RESULTS

WE HELP MANY ORGANIZATIONS
To migrate to Drupal 8
THANKS!!!
For Your Precious Time and Attention.

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QUESTIONS?

Please Don’t Hesitate.