# MULTI-SITES USINES À SITES

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# PROBLÉMATIQUE LES OBJECTIFS :

- Le temps
- Le coût
- La maintenance (gestion globale)
- L'homogénéité (fonctionnalités, mise en page commune)

# CHOISIR SON ARCHITECTURE DIFFÉRENTS FACTEURS

- Pilotage des sites doit etre unique ou non
- Thème et mise en page des contenus doivent suivre une ligne éditorial précise ou non
- Les sites doivent disposer du même processus de publication
- Le contenu devra être partagé ou pas entre les différentes sites
- etc...

# DIFFÉRENTES ARCHITECTURES POSSIBLE

- Installations distinctes
- Multi-site
- Domain access
- Organic group

# INSTALLATIONS DISTINCTES DONNEZ À CHACUN SON PROPRE DRUPAL

- Chaque site dispose de son propre code
- Chaque site dispose de sa propre base de données

Installations distinctes + outils de deployment (Drush, Aegir)

### **INSTALLATIONS DISTINCTES**

### **AVANTAGES**

- Plate-forme standard
- Pas de complexité supplémentaire
- autonome
- Pas besoin d'être sous la même version de Drupal
- Outils d'automatisation

### **INCONVENIENTS**

- Aucune économie d'échelle
- Aucune cohérence
- De nombreux sites à gérer
- Chaque site est entièrement Connexion individuel à chaque s solution SSO
  - https://groups.drupal.org/node/
  - Aucun partage de contenu

### **MODULE FEATURES**

- Exporter les configurations de Drupal en code
- Creer des packages de fonctionnalité
- Facilement distributable dans un profil d'installation

### PROFILES D'INSTALLATION

- Modules
- Themes
- Configuration prédéfinit DRUSH MAKE

### PROFILES D'INSTALLATION

+ FEATURES

DISTRIBUTIONS

Cas d'utilisation spécifique

# DRUPAL 8

### **MULTI-SITE**

### PLUSIEURS SITES DEPUIS UNE SEULE INSTALLATION

- Les sites partagent le même code
- Chaque site dispose de sa propre base de données

Multi-site + outils de deployment

#### sites/sites.php

```
$sites['www.drupal.edu'] = 'main';
$sites['fapi.api.drupal.edu'] = 'fapi';
$sites['multisite.building.drupal.edu'] = 'multisite';
$sites['fundraising.drupalassociation.com'] = 'da_fundraising';
```

```
sites/
sites.php
default/
settings.php
www.drupal.edu/
settings.php
fapi/
settings.php
da_fundraising/
settings.php
```

### **MULTI-SITE**

### **AVANTAGES**

- Installations distinctes, plus...
- Une base de code pour mettre à jour
- économie significative en matière d'utilisation de la mémoire vive des serveurs

### **INCONVÉNIENTS**

- Installations distinctes, plus...
- Une seule version du core
- Avoir plusieurs version d'un meme module est compliqué.

Si vous avez une équipe d'administration d'un serveur...

... utilisez Multi-site

si vous avez plusieurs serveurs avec sa propre équipe...

... utilisez Installations distinctes

## **DRUPAL 8**

https://www.drupal.org/node/2297419

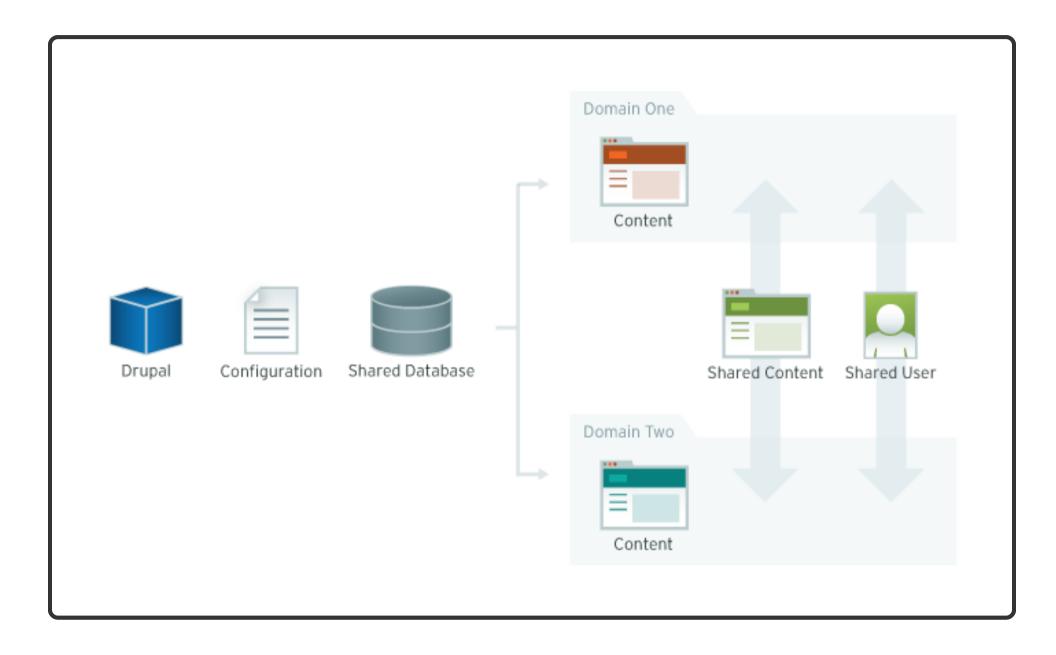
### **DOMAIN ACCESS**

### PLUSIEURS SITES DEPUIS UNE SEULE INSTALLATION

- Les sites partagent le même code
- Les site partagent la même base de données

Domain Access + modules d'extension

## **DOMAIN ACCESS**



### **DOMAIN ACCESS: BASICS**

Home » Administration » Structure

Domains •

DOMAIN LIST

**SETTINGS** 

**BATCH UPDATING** 

CONTENT DEFAULTS

**USER DEFAULTS** 

#### + Create domain

The following domains have been created for your site. The currently active domain is shown in boldface. You may click on a domain to change the currently active domain. Your default domain is example.com, which will be used for all requests that fail to resolve to a registered domain.

#### Show row weights

ORDER	NAME	DOMAIN	ID	ACTIVE	DEFAULT	OPERATIONS
<b>+</b>	Domain Access 7.x.3	example.com	1		•	edit domain
<b>‡</b>	One	one.example.com	2	<b>⋖</b>	$\circ$	edit domain
<b></b>	Two	two.example.com	3	⋖	$\circ$	edit domain
<b>‡</b>	Three	three.example.com	4	⋖	$\circ$	edit domain
<b>+</b>	Four	four.example.com	5	⋖	$\circ$	edit domain
<b>+</b>	Five	five.example.com	6	⋖	0	edit domain
<b>+</b>	Six	six.example.com	7		$\bigcirc$	edit domain

## **DOMAIN ACCESS: BASICS**

Home » Administration » Structure » Domains						
Edit one.example.com o		EDIT	ALIASES	SETTINGS	THEME	DELETE
Domain *						
	one_example_com [Edit]					
The allowed domain, using the full <i>path.example.o</i> Leave off the http:// and the trailing slash and do Must contain only dots, lowercase alphanumeric ch	not include any paths.	using altern	ative ports).			
Name *						
One						
The human-readable name of this domain.						
Domain URL scheme *						
• http://						
https://						
The URL scheme for accessing this domain.						
Domain status *						
<ul><li>Active</li></ul>						
○ Inactive						
Must be set to "Active" for users to navigate to this	s domain.					
Weight *						
0 🕶						
The sort order for this record. Lower values displa	y first.					

## DOMAIN ACCESS: SETTINGS OVERRIDES

things for one.example.com o  EDIT ALIASES  THEME DELETE  THEME DELETE	» Administration » Structure » Domains » one	.example.com					
Site name  Domain Access 7 x.3 The name of this web site, as entered in the domain-specific settings.  Email address  7@example.com  Set the email address for this domain.  Site slogan  The slogan of this domain. Some themes display a slogan when available.  Site frontpage  http://one.example.com/drupal-7/ node/101 The home page displays content from this relative URL. If unsure, specify "node".  Anonymous user  Anonymous	tings for one.example.com	0	EDIT	ALIASES	SETTINGS	THEME	DELETE
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Site name  Domain Access 7.x.3  The name of this web site, as entered in the domain-specific settings.  Email address  7@example.com  Set the email address for this domain.  Site slogan  The slogan of this domain. Some themes display a slogan when available.  Site frontpage  http://one.example.com/drupal-7/ node/101  The home page displays content from this relative URL. If unsure, specify "node".  Anonymous user  Anonymous	ou may erase these settings to restore t	he default behavior.					
Domain Access 7.x.3  The name of this web site, as entered in the domain-specific settings.  Email address  7@example.com  Set the email address for this domain.  Site slogan  The slogan of this domain. Some themes display a slogan when available.  Site frontpage  http://one.example.com/drupal-7/ node/101  The home page displays content from this relative URL. If unsure, specify "node".  Anonymous user  Anonymous	SITE CONFIGURATION						
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Site frontpage http://one.example.com/drupal-7/ node/101 The home page displays content from this relative URL. If unsure, specify "node".  Anonymous user Anonymous	Site Slogan						
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# **DOMAIN ACCESS: THEMES**



#### Bartik 7.15

A flexible, recolorable theme with many regions.

configure

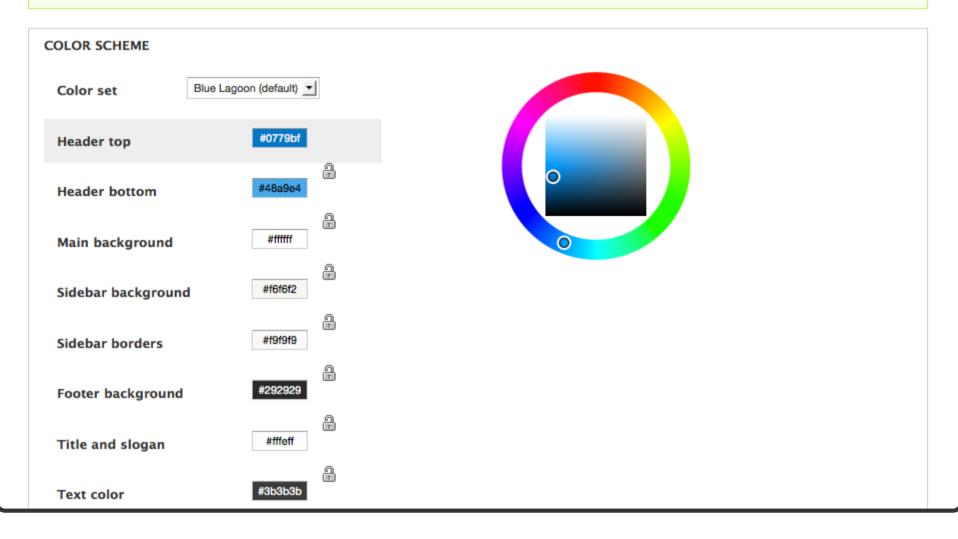
# **DOMAIN ACCESS: THEMES**

Home » Administration » Structure » Domains » one.example.com » Theme

#### bartik settings for one.example.com o



You are viewing the bartik settings for one.example.com.



## **DOMAIN ACCESS: TIMEZONES**

Home » Administration » Structure » Domains » Batch updating

#### Timezone default o



This form submits changes to your default configuration.

Set the default timezone for all domains.

#### **UPDATE VALUE FOR ALL DOMAINS**

ID	DOMAIN	SETTING
1	Domain Access 7.x.3 example.com	America/New York: Monday, August 20, 2012 - 08:14 -0400  Select the default site time zone.
2	One one.example.com	America/New York: Monday, August 20, 2012 - 08:14 -0400  Select the default site time zone.
3	Two two.example.com	America/New York: Monday, August 20, 2012 - 08:14 -0400  Select the default site time zone.
4	Three three.example.com	America/New York: Monday, August 20, 2012 - 08:14 -0400  Select the default site time zone.  ▼
5	Four four.example.com	America/New York: Monday, August 20, 2012 - 08:14 -0400  Select the default site time zone.
6	Five five.example.com	America/New York: Monday, August 20, 2012 - 08:14 -0400  Select the default site time zone.

# DOMAIN ACCESS: NODE EDITING

Menu settings	
Not in menu	Publishing options:
Domain access options	✓ Send to all affiliates
Revision information No revision	Select if this content can be shown to all affiliates. This setting will override the options below, but you must still select a domain that "owns" this content.
URL path settings	Publish to *
Automatic alias	✓ Domain Access 7.x.3
Comment settings	✓ One
Open	✓ Two
Authoring information  By Anonymous on 2012-08-08 20:01:55 -0400	☐ Three
-0400	☐ Four
Publishing options Published	☐ Five
	□ Six
	☐ Seven
	☐ Eight

# DOMAIN ACCESS: NODE EDITING

### Test

View

Edit

Panel layout

Panel content

Devel

Submitted by admin on Wed, 08/15/2012 - 13:38

### Assigned domains

- All affiliates
- Domain Access 7.x.3

Source domain: Domain Access 7.x.3 (using active domain)

# DOMAIN ACCESS: NODE EDITING

	me » Administration » Affiliated content  Ontent for One •								
sta typ If you • AF	SHOW ONLY ITEMS WHERE  status any I Filter  If you select Change affiliate publishing options, you should confirm the Affiliate publishing options settings below.  • AFFILIATE PUBLISHING OPTIONS  UPDATE OPTIONS  Change affiliate publishing options Update								
	TITLE	AFFILIATES	TYPE	AUTHOR	STATUS	UPDATED ▼	OPERATIONS		
0	Eum Exputo Facilisi Tamen	<ul> <li>All affiliates</li> <li>Domain Access</li> <li>7.x.3</li> <li>One</li> <li>Two*</li> </ul>	Basic page	Anonymous (not verified)	published	08/12/2012 - 16:21	edit delete		
	Eu Praemitto Scisco new	• Domain Access 7.x.3* • One	Article	admin	published	08/12/2012 - 16:21	edit delete		

### **DOMAIN ACCESS**

### **AVANTAGES**

- Un site pour gérer, une seule base de code, une seule base de données, une seule base d'utilisateurs
- Partage de contenu
- Theme par domaine
- Configuration possible par domaine

### **INCONVÉNIENTS**

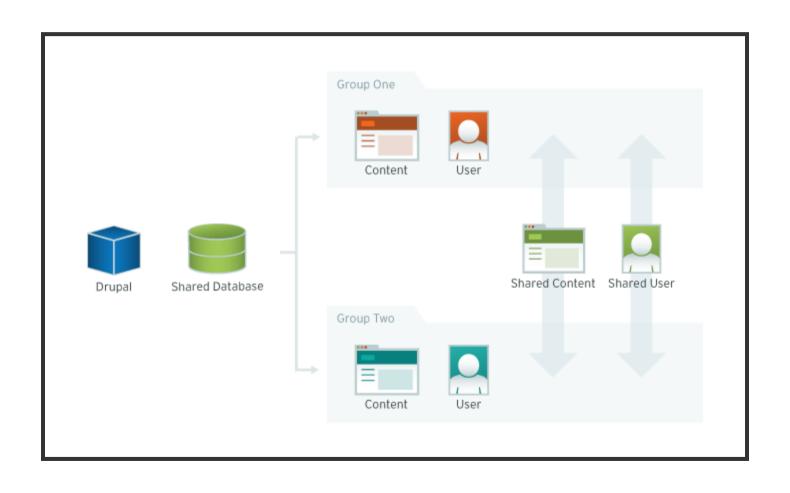
- Doit utiliser plusieurs domaines
- Point de défaillance unique
- Tout devient un peu plus compliqué (menu, droits)...

# DRUPAL 8

# ORGANIC GROUPS PLUSIEURS SITES DEPUIS UNE SEULE INSTALLATION

- Les sites partagent le même code
- Les site partagent la même base de données

Organic Groups + modules d'extension



- Toute entité == "groupe"
- Toute entité peut appartenir à un "groupe"
- Les utilisateurs peuvent rejoindrent des groupes

### **GROUP NODES**

### **Submission form settings**

Title

#### **Publishing options**

Published, Promoted to front page

#### Display settings

Display author and date information.

### **Comment settings**

Open, Threading , 50 comments per page

### Menu settings

#### Group

Specify how Group should treat content of this type. Content may behave as a group, as group content, or may not participate in Group at all.

#### Group





Set the content type to be a group, that content will be associated with, and will have group members.

### **Group content**

- Not a group content type
- Group content type

Set the content type to be a group content, that can be associated with groups.

Save content type

Save and add fields

### **PERMISSIONS**

PERMISSION	NON-MEMBER	MEMBER	ADMINISTRATOR MEMBER
Organic groups			
Edit group  Edit the group. Note: This permission controls only node entity type groups.			$\checkmark$
Administer group  Manage group members and content in the group.  Warning: Give to trusted roles only; this permission has security implications.			$\checkmark$
Edit own <i>Basic page</i> content			
Edit any Basic page content			
Delete own <i>Basic page</i> content			
Delete any Basic page content			
Organic groups UI			
Subscribe to group  Allow non-members to request membership to a group (approval required).	$\checkmark$		

### **AVANTAGES**

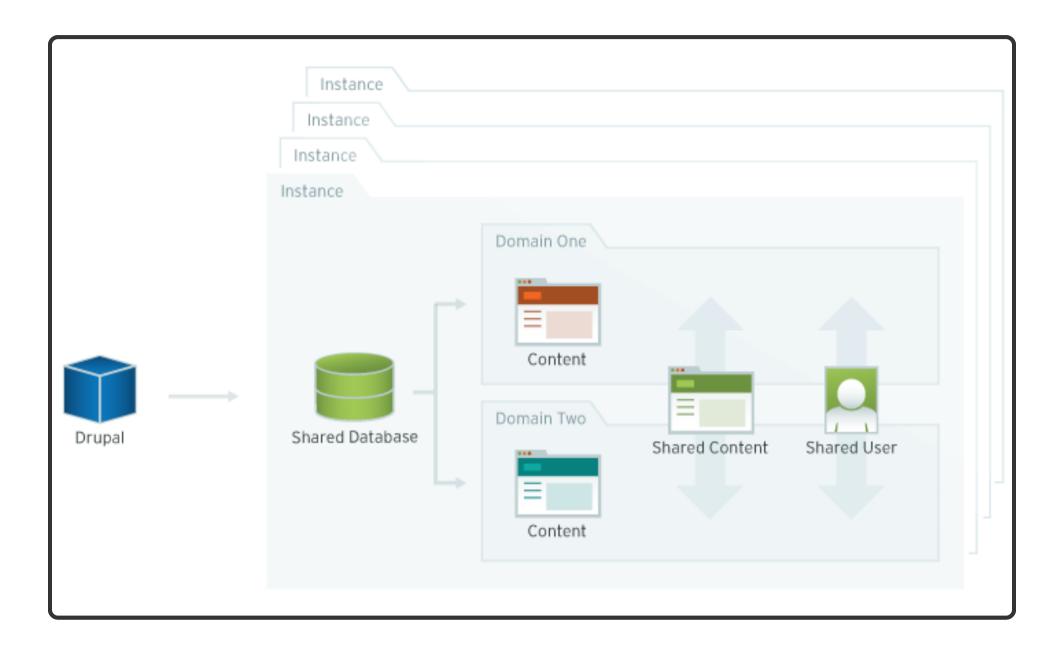
- Un site à gérer
- Contenu partagé
- Thèmes par groupe
- Seulement un domaine
- Architecture cohérente

### **INCONVÉNIENTS**

- Architecture cohérente
- Seulement un domaine
- Point de défaillance unique
- Tout est un peu plus compliqué

# DRUPAL 8

## MIX AND MATCH



### Multi-site peut héberger plusieurs combinaisons de site

- Multi-site / OG
- Multi-site / Domain Access
- Multi-site / Workbench Access
- Multi-site / Domain Access / OG

Si vous souhaitez	Cela signifie surement
Version de core multiple	Separate installs
Différents type de contenu	Separate installs, multi-site
Unique base utilisateur	Domain Access, OG
Sous-domaines	Separate installs, multi-site, Domain Access
Un domaine	OG
Administration serveur simplifié	Domain Access, OG
Contenu partagé	Domain Access, OG
Partage du code	Domain Access, OG, multi-site
Indépendance de code et déploiement	Separate installs
Partage de la bdd	Domain Access, OG
Indépendance d'hébergement	Separate installs
Migration étalé dans le temps	Separate installs, multi-site, Domain Access
Theme par département	Separate installs, Multi-site, Domain Access, OG
admins du site inexpérimentées	Separate installs
Pas de "single point of failure"	Separate installs

# CONCLUSION

## **SOURCES**

https://www.palantir.net/blog/multi-headed-drupal

https://www.palantir.net/presentations/highedweb2014-multiheaded-drupal/

http://flocondetoile.fr/blog/industrialisation-et-multi-sitesavec-drupal

# MERCI