

# TOUT SAVOIR DE DOCKER EN QUELQUES HEURES

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Créer son site Wordpress avec Docker

# OBJECTIFS DE LA SECTION

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# Objectifs

- Qu'est-ce que Wordpress ?
- Contenu du Front-End de Wordpress
- Organisation de la base de données
- Construction des conteneurs du front-end et de la base
- Lancement des conteneurs
- Exercice

# QU'EST-CE QUE WORDPRESS ?

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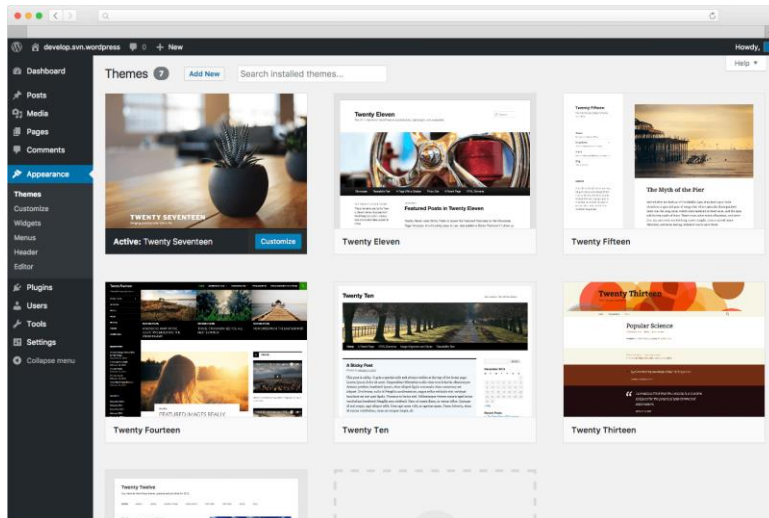
# Wordpress présentation



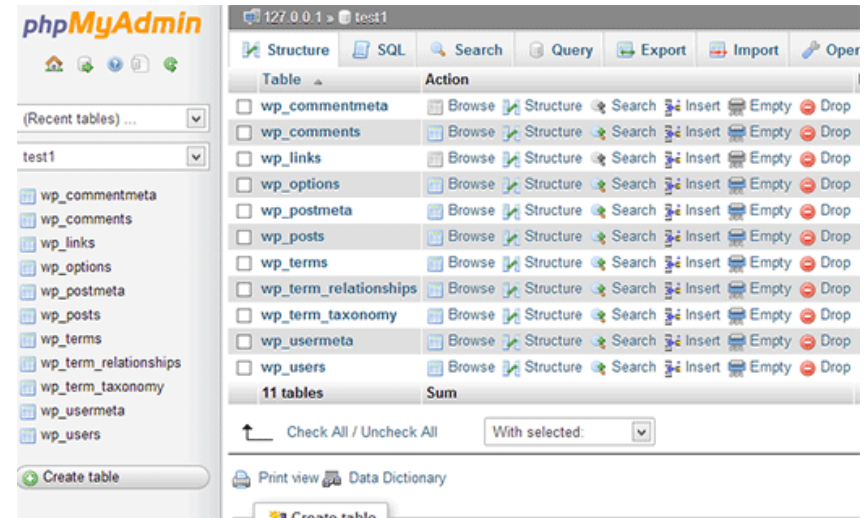
- Moyen le plus populaire de créer un site Web / Blog :
  - Boutiques eCommerce
  - Blogs
  - CV
  - Portfolios
  - Forums
  - Etc...

# De quoi est composé Wordpress ?

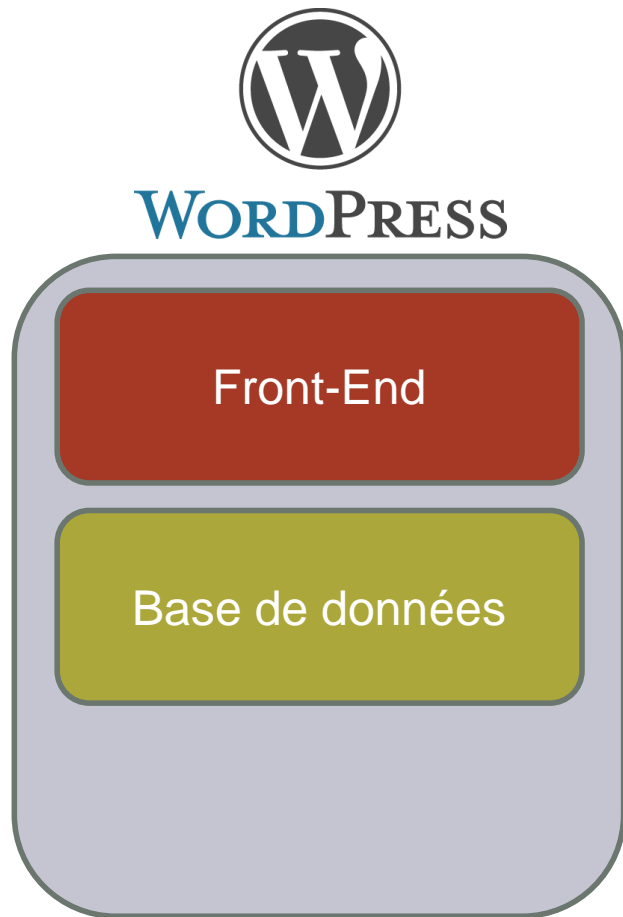
Site-Web en PHP



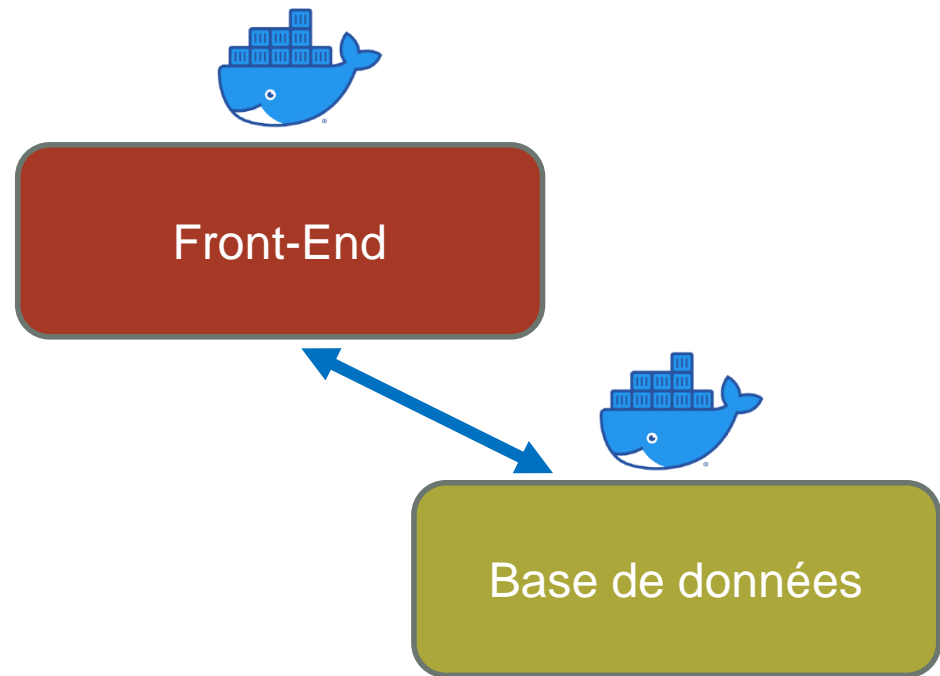
Base de données



# Pourquoi Dockeriser wordpress ?



**Serveur ou  
Machine Virtuelle**

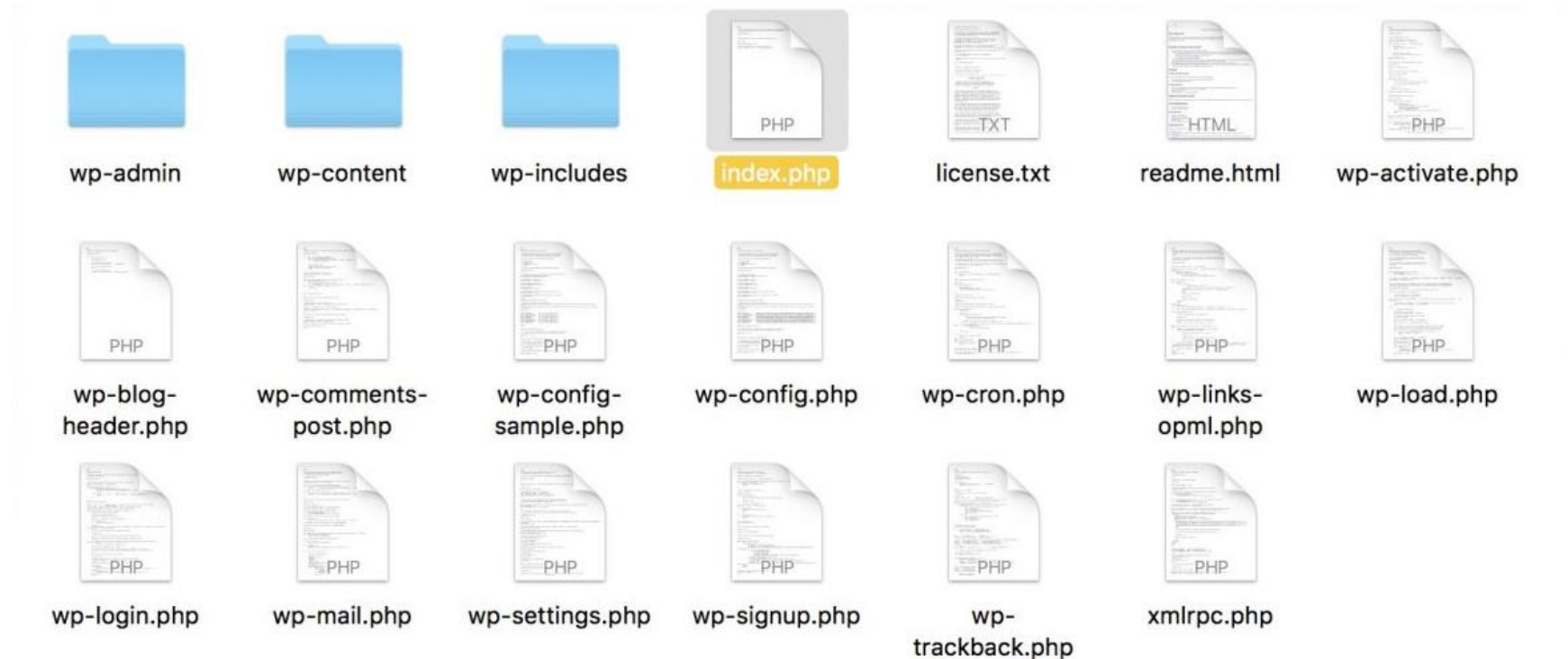


# CONTENU DU FRONT-END

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# Les différents fichiers et dossiers



# Les principaux fichiers racines



Fichier principal du site internet



wp-config.php

Fichier de configuration de wordpress



wp-login.php

Connexion à l'interface administrateur

# Le dossier wp-includes



Gestion du blog (articles, utilisateurs, commentaires, catégories, etc...)

Paramétrage des différentes langues du site internet

Envoi des e-mails

API Rest pour automatiser certaines tâches

Etc...

# Le dossier wp-admin



wp-admin



options.php



plugin-editor.php



plugin-install.php



plugins.php



post-new.php



post.php



press-this.php



privacy.php



profile.php



revision.php



setup-config.php



term.php



theme-editor.php



theme-install.php



themes.php



tools.php



update-core.php



update.php



upgrade-  
functions.php



upgrade.php



upload.php

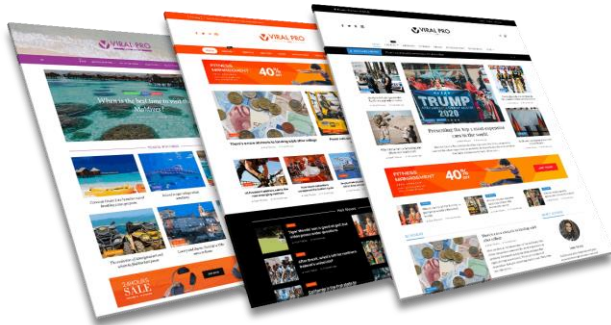


JORDAN  
ASSOULINE

# Le dossier wp-content



wp-content









Thèmes

**Add Plugins** | [Upload Plugin](#)

Featured | Popular | Recommended | Favorites

Keyword  Search plugins...

Plugins extend and expand the functionality of WordPress. You may automatically install plugins from the [WordPress Plugin Directory](#) or upload a plugin in .zip format by clicking the button at the top of this page.













 <b>Akismet</b> Akismet checks your comments and contact form submissions against our global database of spam to... <i>By Automattic</i> ★★★★★ (794) 1+ Million Active Installs Last Updated: 2 months ago ✓ Compatible with your version of WordPress <a href="#">Install Now</a> <a href="#">More Details</a>	 <b>Jetpack by WordPress.com</b> Jetpack gives you tools to design, secure, and grow your site in one convenient bundle. <i>By Automattic</i> ★★★★☆ (1,391) 1+ Million Active Installs Last Updated: 2 weeks ago ✓ Compatible with your version of WordPress <a href="#">Install Now</a> <a href="#">More Details</a>	 <b>WP Super Cache</b> A very fast caching engine for WordPress that produces static html files. <i>By Automattic</i> ★★★★☆ (1,275) 1+ Million Active Installs Last Updated: 3 weeks ago ✓ Compatible with your version of WordPress <a href="#">Install Now</a> <a href="#">More Details</a>
 <b>bbPress</b> bbPress is forum software, made the WordPress way. <i>By The bbPress Community</i> ★★★★☆ (320) 300,000+ Active Installs Last Updated: 7 days ago Untested with your version of WordPress <a href="#">Install Now</a> <a href="#">More Details</a>	 <b>BuddyPress</b> BuddyPress adds community features to WordPress. Member Profiles, Activity Streams, Direct Messaging, Notifications, and more! <i>By The BuddyPress Community</i> <a href="#">Install Now</a> <a href="#">More Details</a>	 <b>Theme Check</b> A simple and easy way to test your theme for all the latest WordPress standards... <i>By Otto42_pross</i> ★★★★☆ (232) 100,000+ Active Installs Last Updated: 10 months ago Untested with your version of WordPress <a href="#">Install Now</a> <a href="#">More Details</a>

# ORGANISATION DE LA BASE DE DONNÉES

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# Les tables de la base de données

## TABLES

-  wp\_commentmeta
-  wp\_comments
-  wp\_links
-  wp\_options
-  wp\_postmeta
-  wp\_posts
-  wp\_term\_relationships
-  wp\_term\_taxonomy
-  wp\_termmeta
-  wp\_terms
-  wp\_usermeta
-  wp\_users

# La table wp\_users

Server: localhost:3306 » Database: sydgende\_wp539 » Table: wpc4\_users

Browser Structure SQL Search Insert Export Import Operations Triggers

Column	Type	Function	Null	Value
ID	bigint(20) unsigned			1
user_login	varchar(60)			sgdadmin
user_pass	varchar(255)	MD5		\$P\$BcEZJwMSpEj3PLtKpcU.gq3j9tbH/P1
user_nicename	varchar(50)			sgdadmin
user_email	varchar(100)			admin@sydneygeneral dental.com.au
user_url	varchar(100)			
user_registered	datetime			2017-10-14 00:16:22
user_activation_key	varchar(255)			
user_status	int(11)			0
display_name	varchar(250)			sgdadmin

Go



# La table wp\_options et wp\_posts

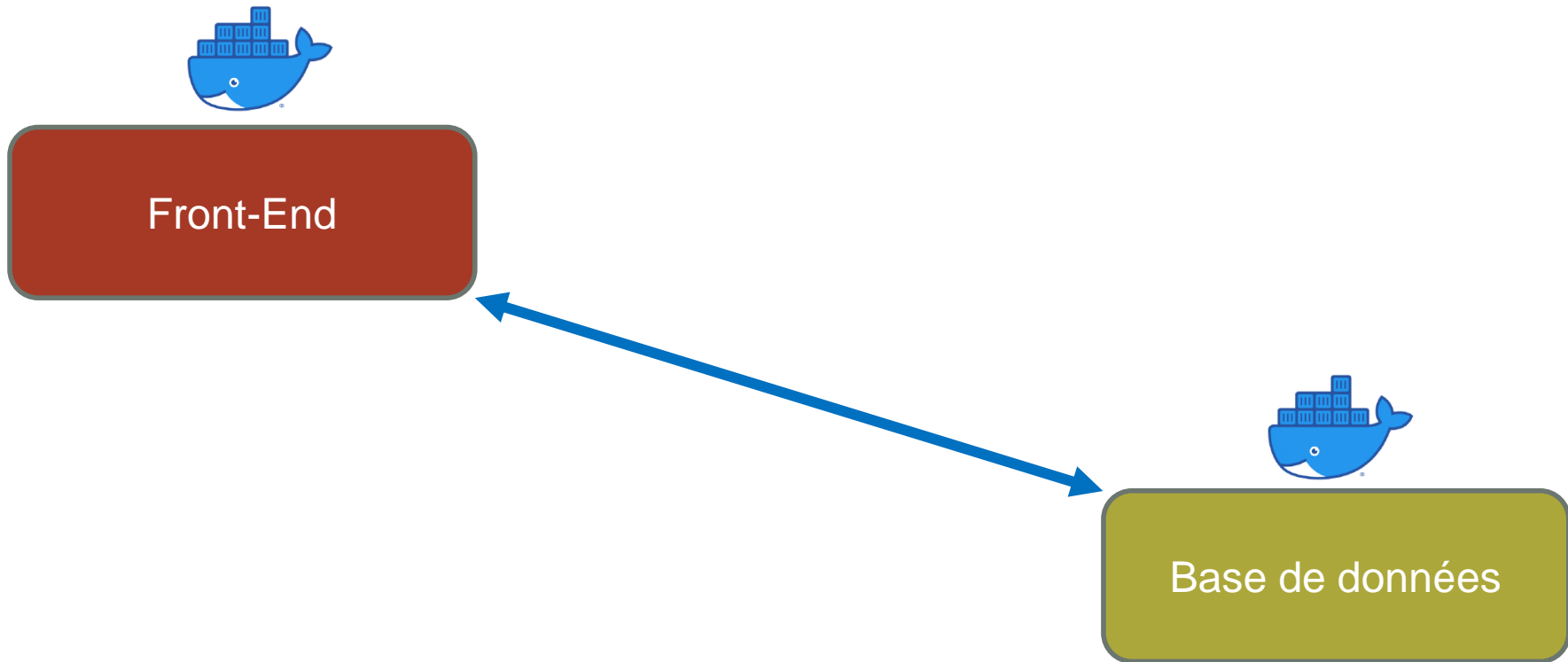
← T →			option_id	option_name	option_value
<input type="checkbox"/>	 Edit	 Delete	1	siteurl	https://websensepro.com
<input type="checkbox"/>	 Edit	 Delete	2	home	https://websensepro.com
<input type="checkbox"/>	 Edit	 Delete	3	blogname	WebSensePro   Web Designing and Dev
<input type="checkbox"/>	 Edit	 Delete	4	blogdescription	Web Designing and Development Compa
<input type="checkbox"/>	 Edit	 Delete	5	users_can_register	0

ID	bigint(20)		UNSIGNED	No		auto_increment
post_author	bigint(20)		UNSIGNED	No	0	
post_date	datetime			No	0000-00-00 00:00:00	
post_date_gmt	datetime			No	0000-00-00 00:00:00	
post_content	longtext	utf8_general_ci		No		
post_title	text	utf8_general_ci		No		
post_excerpt	text	utf8_general_ci		No		
post_status	varchar(20)	utf8_general_ci		No	publish	
comment_status	varchar(20)	utf8_general_ci		No	open	
ping_status	varchar(20)	utf8_general_ci		No	open	
post_password	varchar(20)	utf8_general_ci		No		
post_name	varchar(200)	utf8_general_ci		No		
to_ping	text	utf8_general_ci		No		
pinged	text	utf8_general_ci		No		
post_modified	datetime			No	0000-00-00 00:00:00	
post_modified_gmt	datetime			No	0000-00-00 00:00:00	
post_content_filtered	text	utf8_general_ci		No		
post_parent	bigint(20)		UNSIGNED	No	0	
guid	varchar(255)	utf8_general_ci		No		
menu_order	int(11)			No	0	
post_type	varchar(20)	utf8_general_ci		No	post	
post_mime_type	varchar(100)	utf8_general_ci		No		
comment_count	bigint(20)			No	0	
as_stats_numviews	int(11)			No	0	
as_stats_numvotes	int(11)			No	0	
as_stats_votestotal	int(11)			No	0	
as_stats_rating	varchar(5)	utf8_general_ci		No	0	

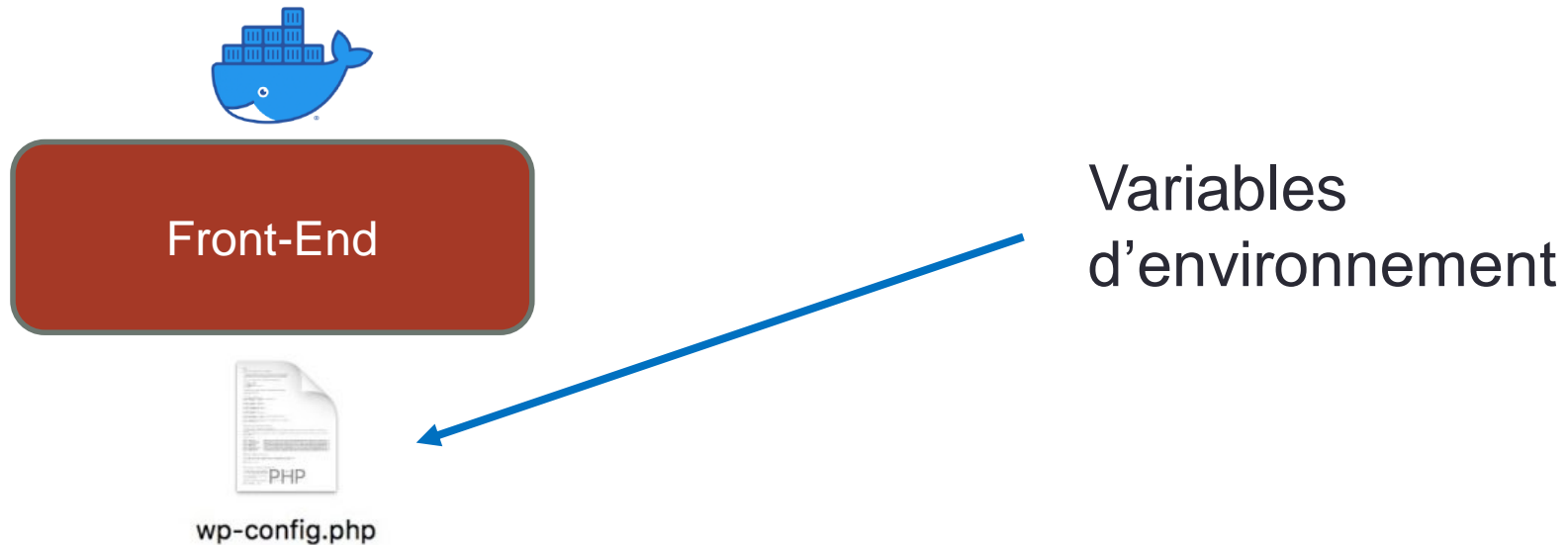
# FRONT-END ET BASE AVEC DOCKER

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# Communication front-end et base



# Communication front-end et base



Adresse IP ou nom d'hôte de la machine  
hébergeant la base de données

Nom d'utilisateur pour se connecter à la  
base

Mot de passe de l'utilisateur

Nom de la base de données

# Front-end et image Docker



Front-End

- Image : **wordpress:latest**
- Volume :  
**wordpress\_data:/var/www/html**
- Ports : **8080:80**
- Variables d'environnements :
  - **WORDPRESS\_DB\_HOST**
  - **WORDPRESS\_DB\_USER**
  - **WORDPRESS\_DB\_PASSWORD**
  - **WORDPRESS\_DB\_NAME**

# Base de données et image Docker



Base de données

- Image : **mysql:latest**
- Volume : **db\_data:/var/lib/mysql**
- Variables d'environnements :
  - **MYSQL\_ROOT\_PASSWORD**
  - **MYSQL\_DATABASE**
  - **MYSQL\_USER**
  - **MYSQL\_PASSWORD**

# Correspondance

## Front-End

- Image : **wordpress:latest**
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# LANCEMENT DE NOS CONTENEURS

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# EXERCICE

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# Exercice

## Front-End

- Image : **wordpress:latest**
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