

OpenSource e-commerce solutions

Stop to compare – start to analyse



Mathieu Le Cain

L'ÉQUIPE TECH



- Drupal developer for about 10 years
- Mostly tech lead on Drupal projects
- Work on secured by design Drupal architecture
- Work on client specific deployment process
- Working on e-commerce distribution platform since almost 1 year based on Sylius



Mathieu Le Cain



Mattlc

YOU

Summary

HERE

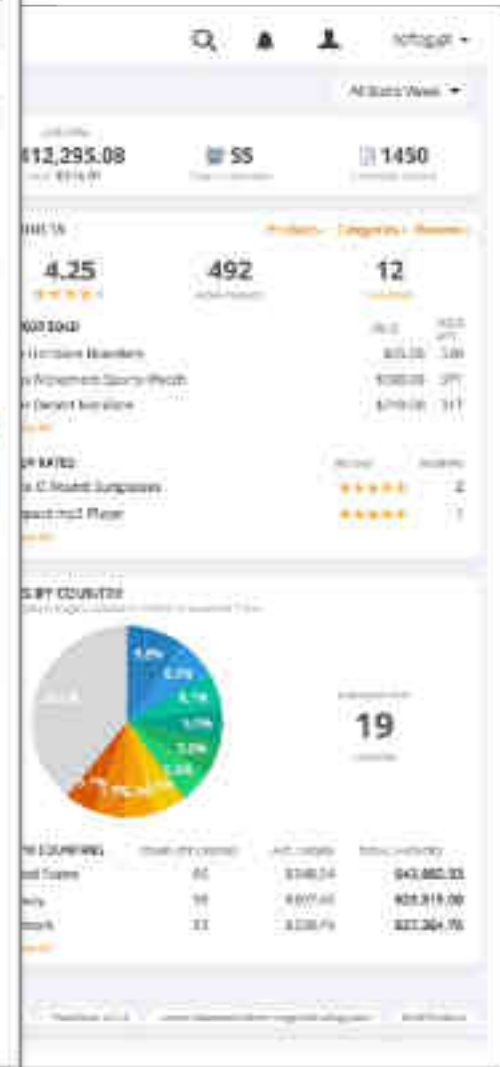
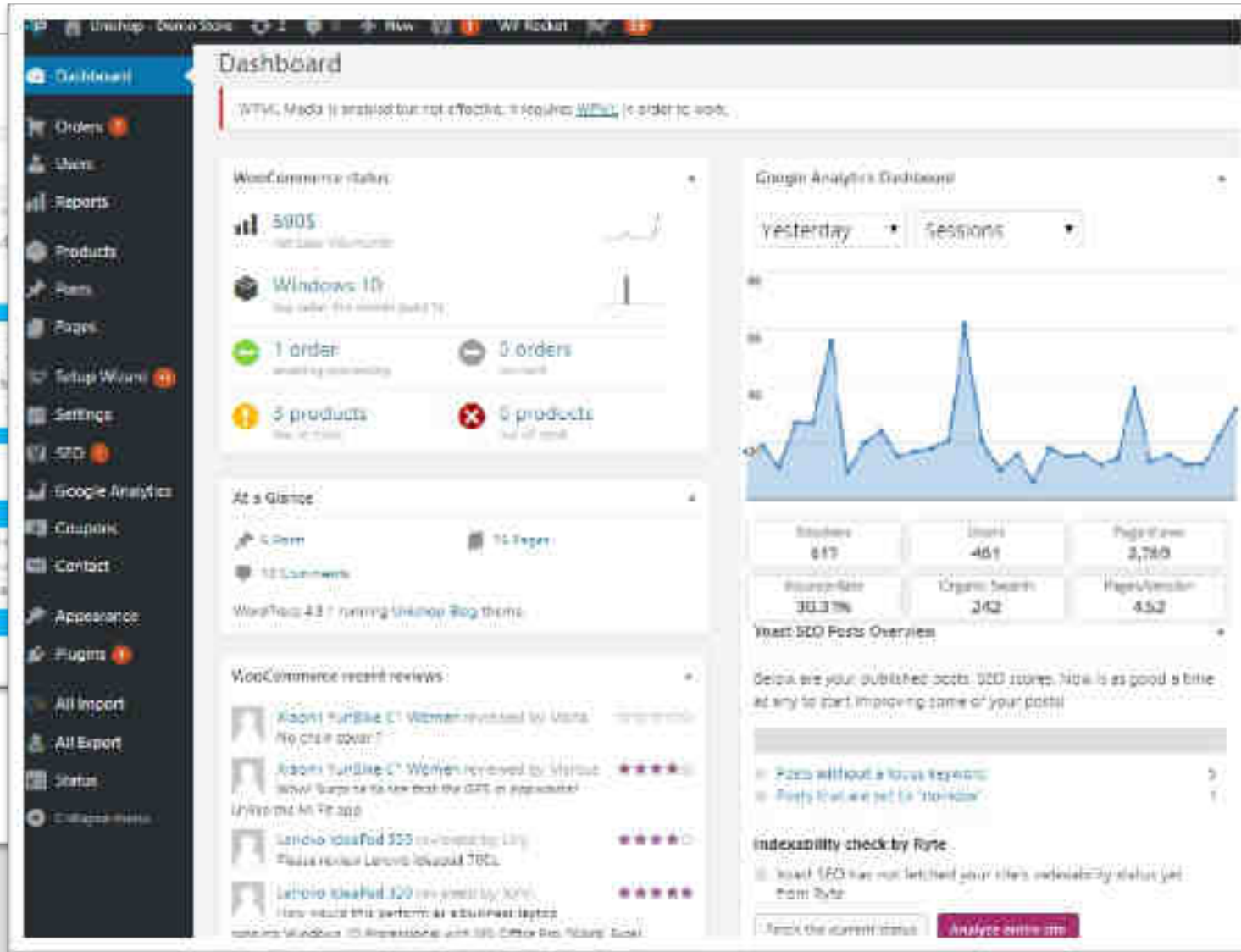
Summary

- Why this session
- The big picture we (may) all know
- Key points in e-commerce solution from scaffolding to deployment
- DC is great because Drupal is great

Why this session

I want a new shop, can you build a Prestashop ?

Why this session





This page isn't working

plenty nice graph session.drupal.eu redirected you too many times.

[Try clearing your cookies.](#)

ERR_TOO_MANY_REDIRECTS

Reload

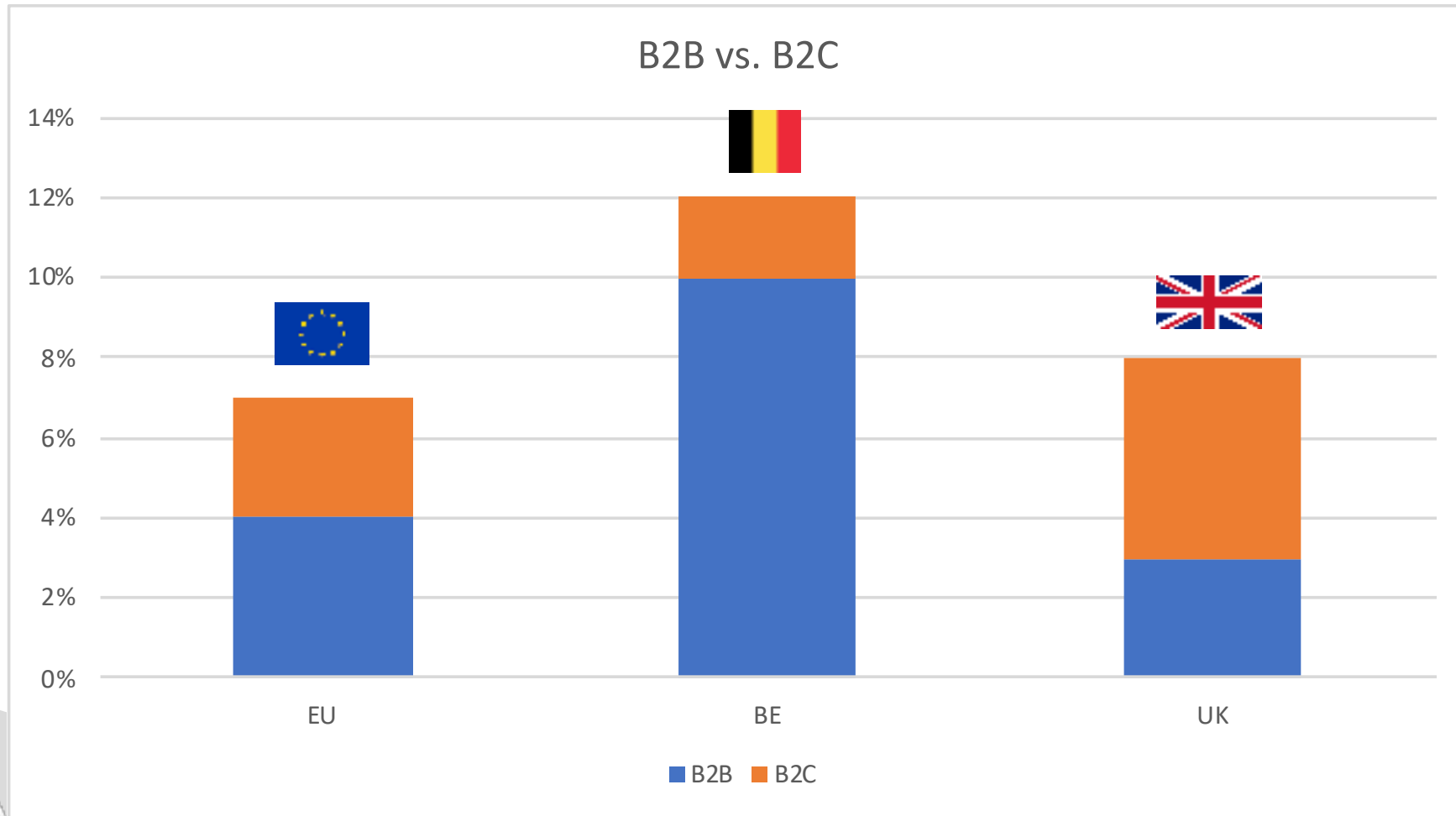
E-Commerce ?

Place an order using Website or EDI

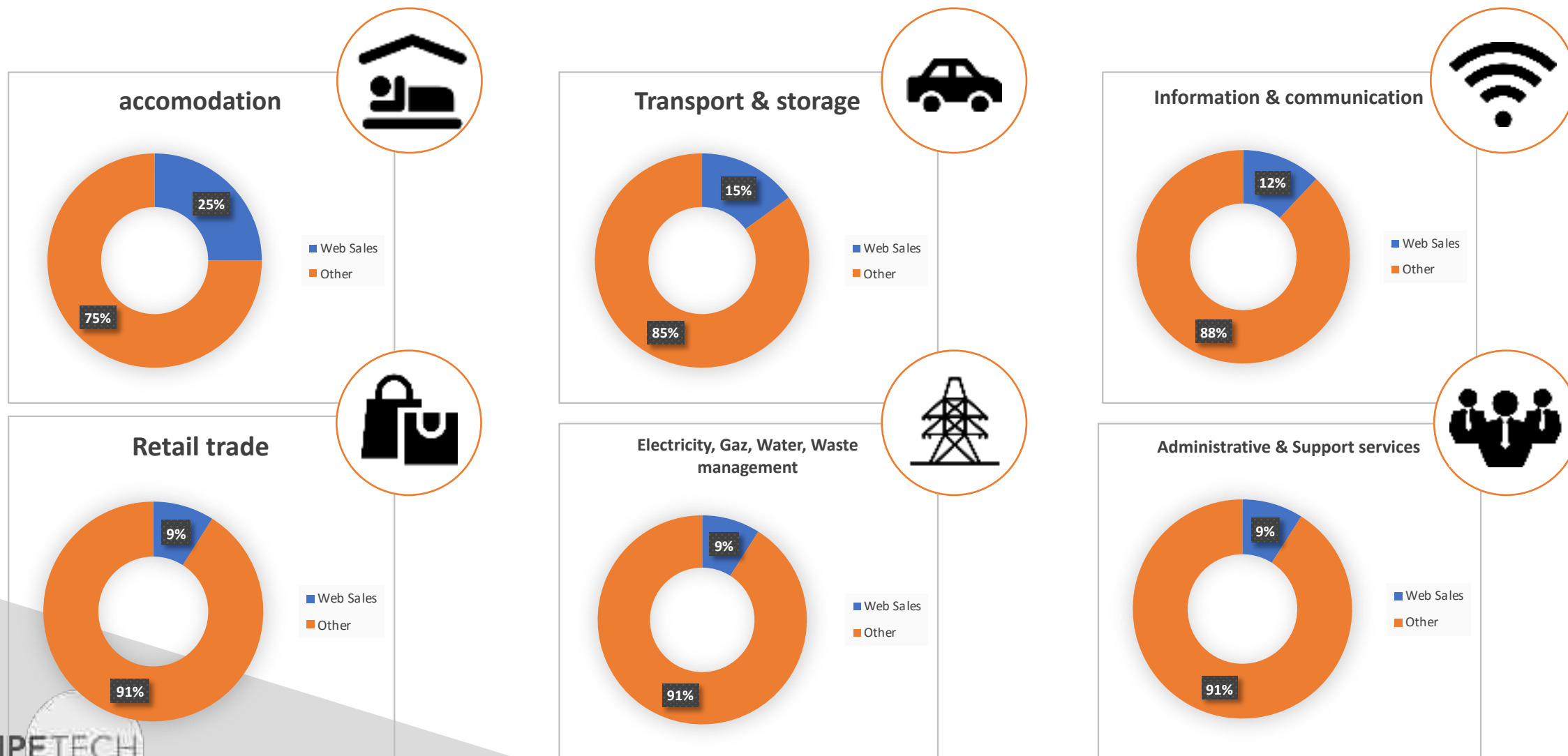
Big picture

- E-Commerce Turnover
- E-Commerce industries
- E-Commerce key features
- Solutions philosophies

Market : B2C – B2B share



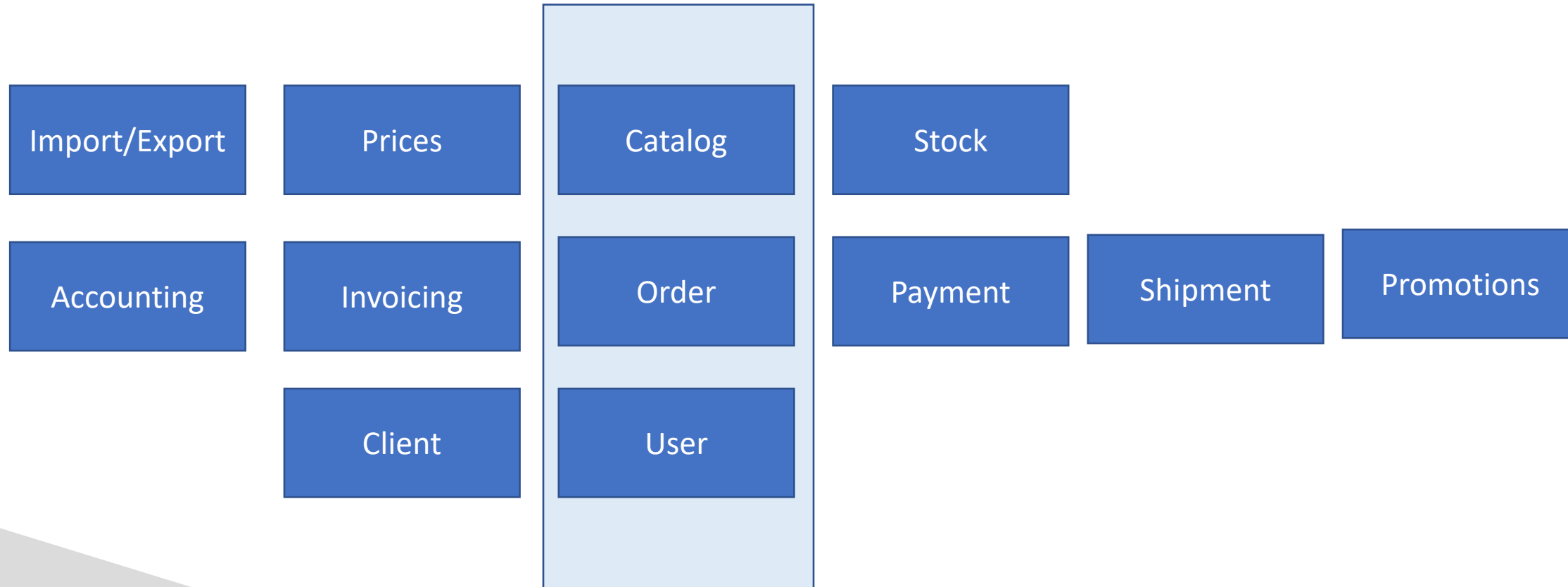
Market : Industries turnover



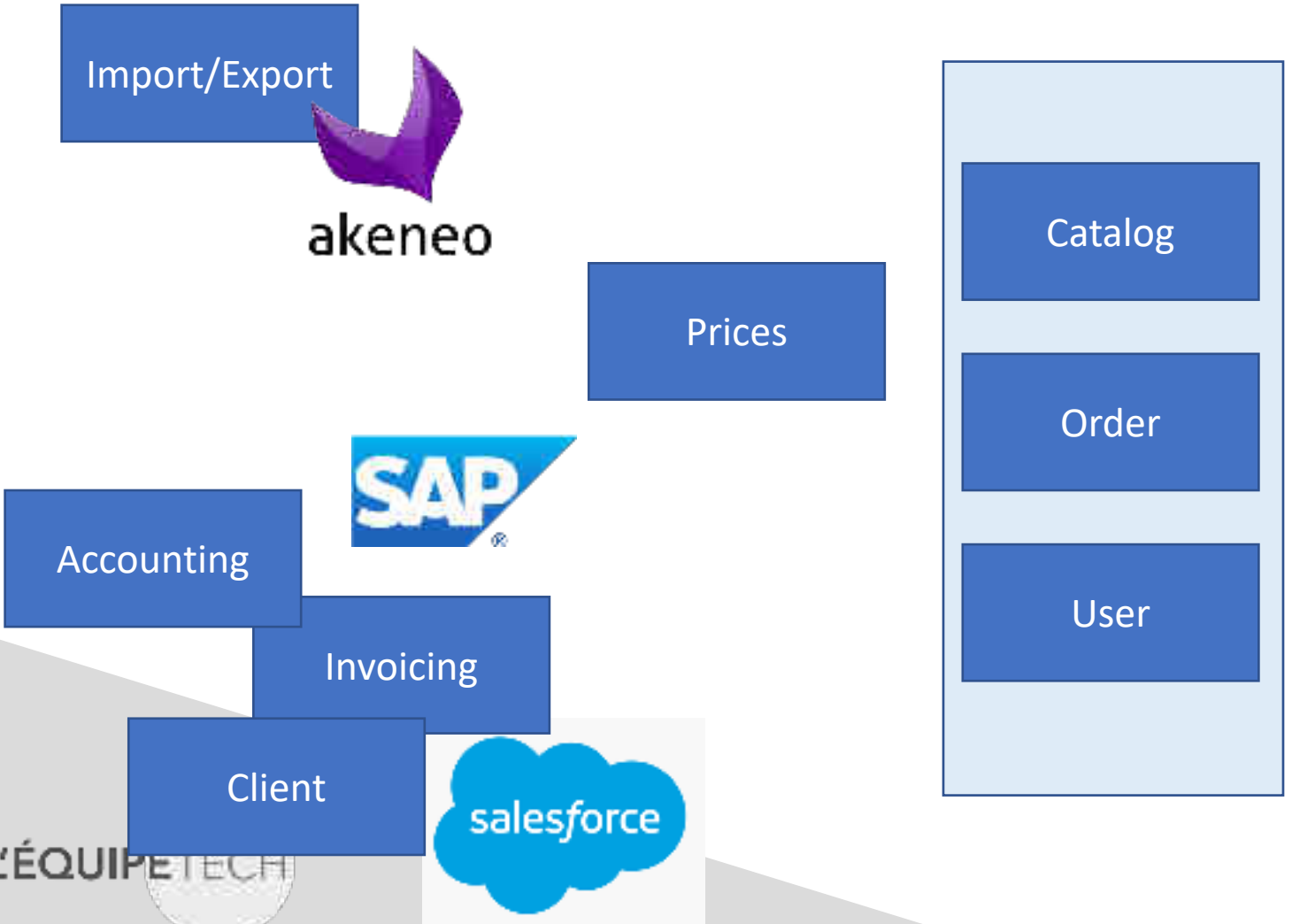
E-Commerce solutions

Key features

Key features topology



Key features topology



E-Commerce solutions

Philosophies

3 main philosophies

E-commerce first

- Magento
- Prestashop
- Zen Cart
- Oscommerce
- Opencart
- Sylius

Websites first

- Woocommerce
- VirtueMart
- Drupal commerce

Pluggable SAAS Solutions

Shopify / Bigcommerce / Wix

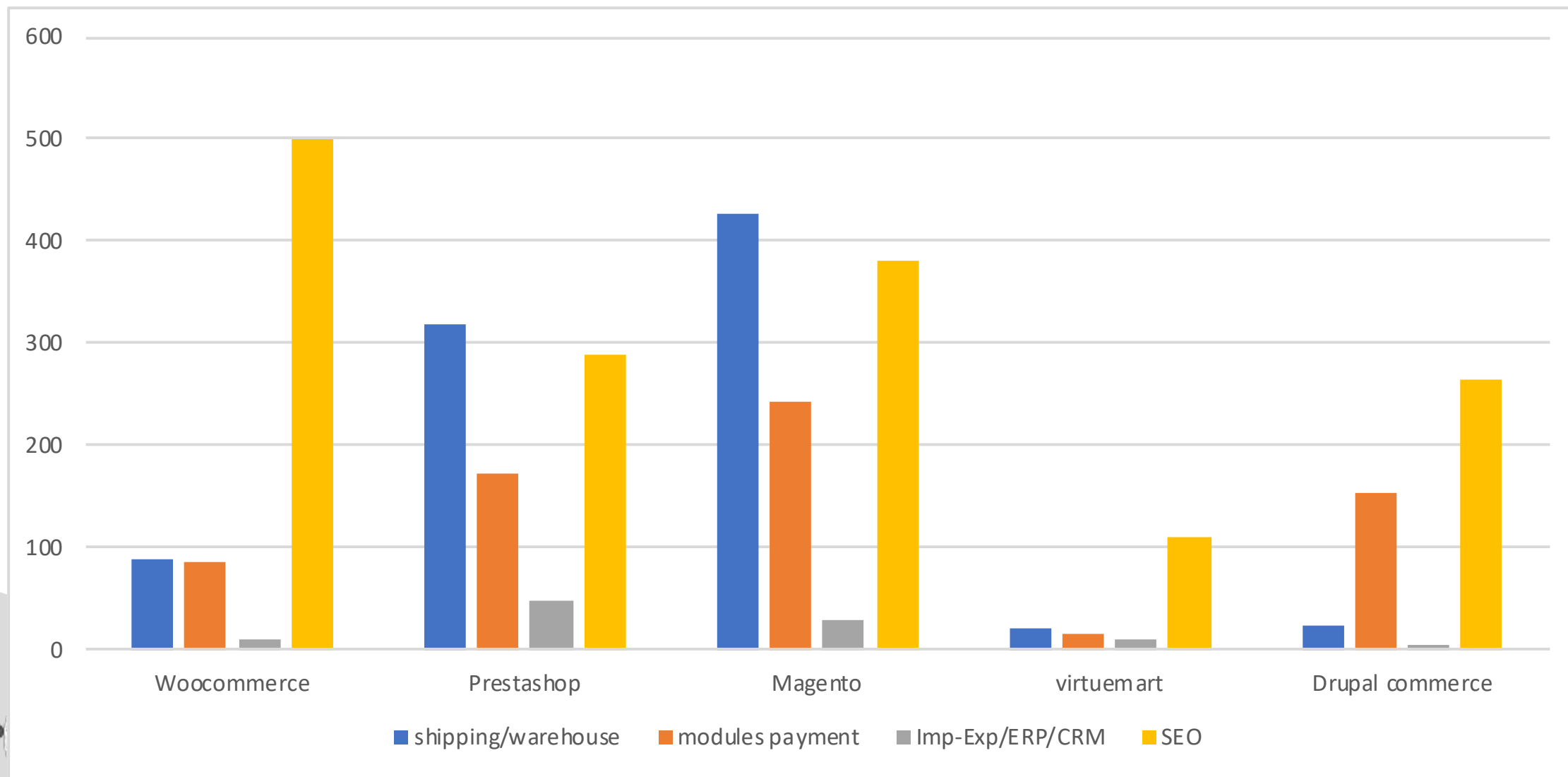
My E-Commerce solution

- Scaffold it
- Adapt it
- Deploy it

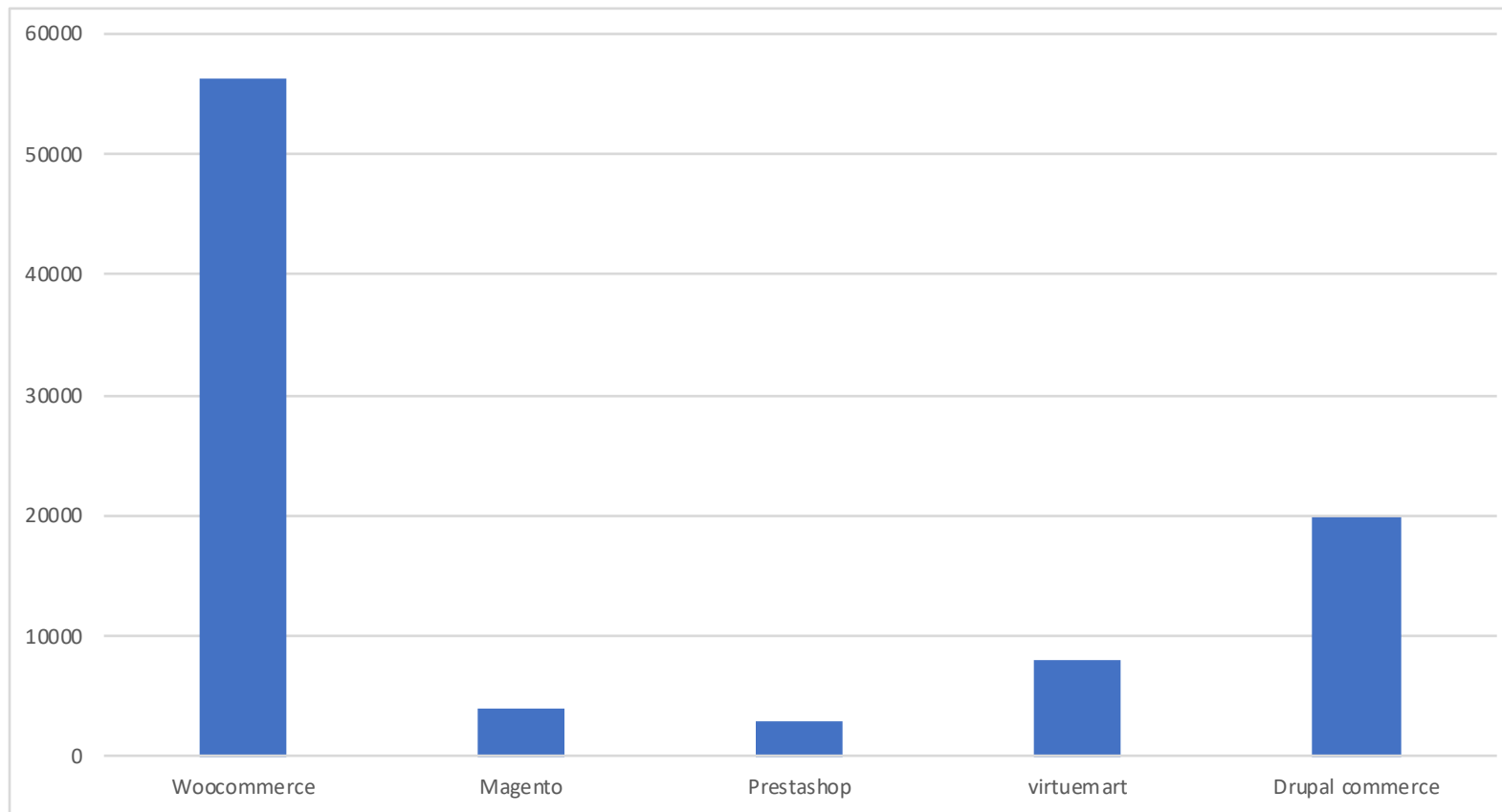
My E-Commerce solution

Scaffold it

Plug it & play it



Remember the philosophy thing ?



My E-Commerce solution

Adapt it

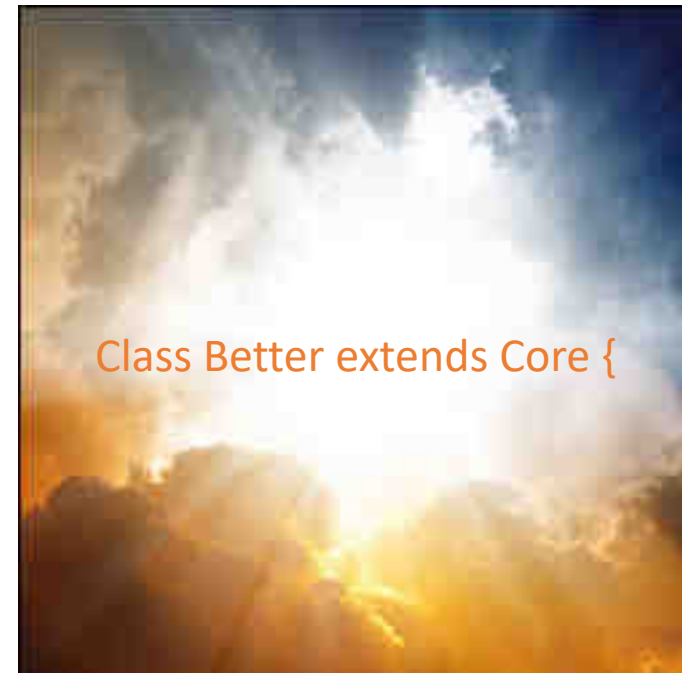
Adaptation principles

Hardcode core & modules
Put business logic into the frontend

Hooks

Class overrides

Use OOP / config files and Dependency injection



Thank you composer !



Solution	Base Framework	Abstraction level	Since	Share components
Magento 2	ZF1	high	Historical	
Woocommerce	None	N/A	long	
Drupal commerce	Symfony	medium	short	From winzou/state_machine
Akeneo	Symfony	low	short	
OroCommerce	Symfony	low	short	Jms/serializer, Knp/gaufrette, menu, Liip/Imagine, Guzzle, Fos/rest...
Sylius	Symfony	low	short	Liip/Imagine, Knp/gaufrette, menu, Fos/rest, Winzou/state_machine Paynum...

Component approach : example

- Sylius :

```

1  winzou_state_machine:
2    sylius_order:
3      class: "%sylius.model.order.class%"
4      property_path: state
5      graph: sylius_order
6      state_machine_class: "%sylius.state_machine.class%"
7      states:
8        cart: ~
9        new: ~
10       cancelled: ~
11       fulfilled: ~
12     transitions:
13       create:
14         from: [cart]
15         to: new
16       cancel:
17         from: [new]
18         to: cancelled
19       fulfill:
20         from: [new]
21         to: fulfilled
22     callbacks:
23       before:

```

- Drupal commerce :

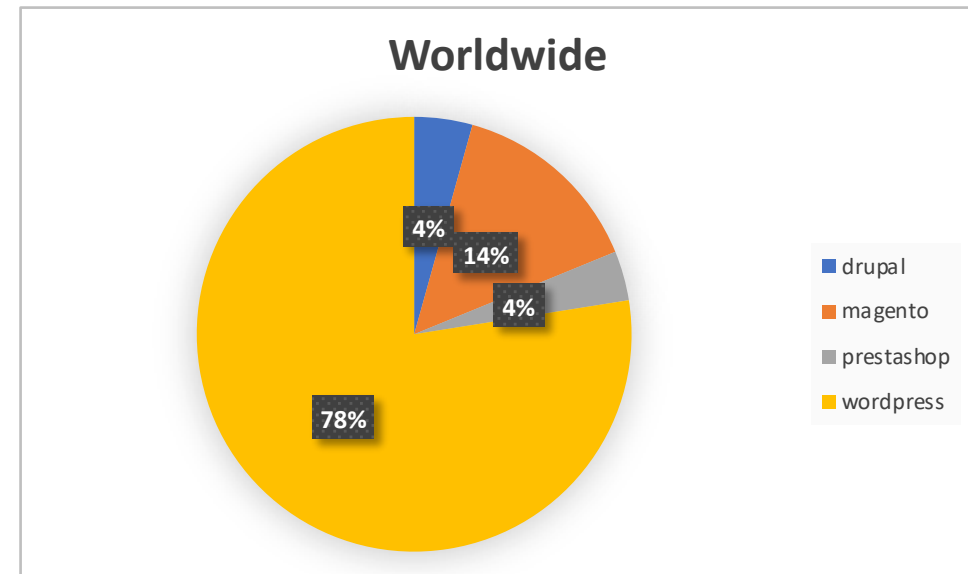
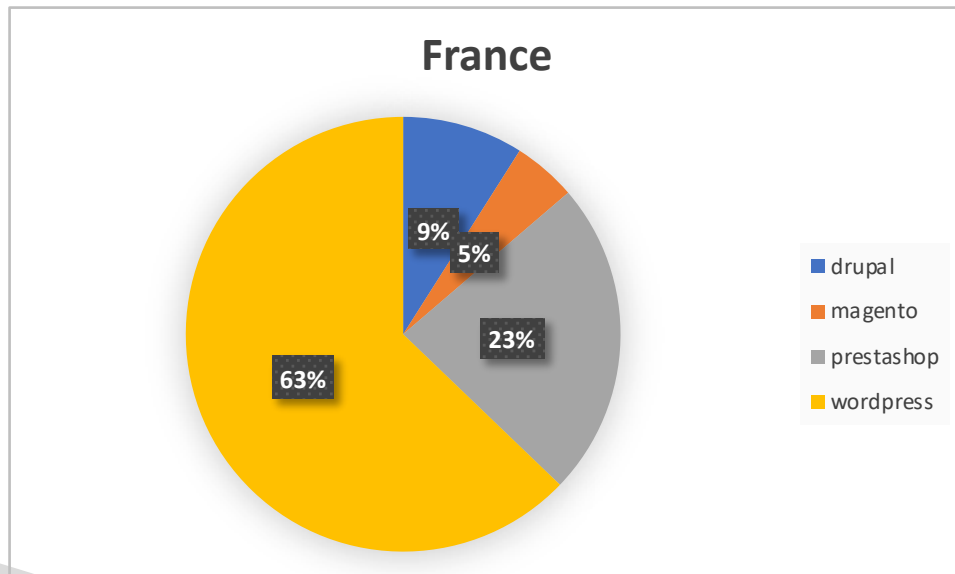
```

1  order_default:
2    id: order_default
3    group: commerce_order
4    label: 'Default'
5    states:
6      draft:
7        label: Draft
8      completed:
9        label: Completed
10     canceled:
11       label: Canceled
12   transitions:
13     place:
14       label: 'Place order'
15       from: [draft]
16       to: completed
17     cancel:
18       label: 'Cancel order'
19       from: [draft]
20       to: canceled

```


People

- Build project teams, Find developers ?



My E-Commerce solution

Deploy & run it

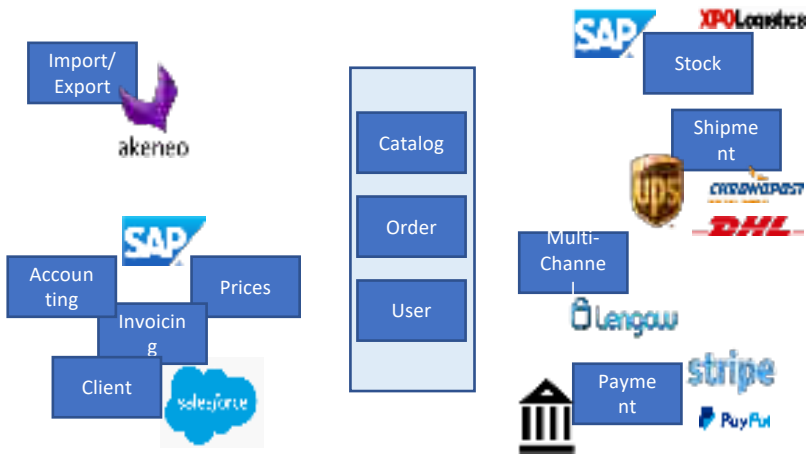
Dev lifecircle

- Dev (git) & merge
- Build (jenkins, gitlab ci, circleci...)
- Test (phpUnit, behat, fixtures)
- Tag
- Build
- Deploy

Platform	Composer/Config/CLI
	Docs vs. DIY
Woocommerce	Composer : wpackagist.org Config : DIY CLI : wp-cli
Magento	Composer : full Config : app:config:dump CLI : Symfony console
Prestashop	Composer : none Config : DIY CLI : no
Drupal	Composer : full Config : CMI & Features CLI : drush, console
Syllus	Composer : full Config : DIY with fixtures CLI : symfony console

Handle external services changes

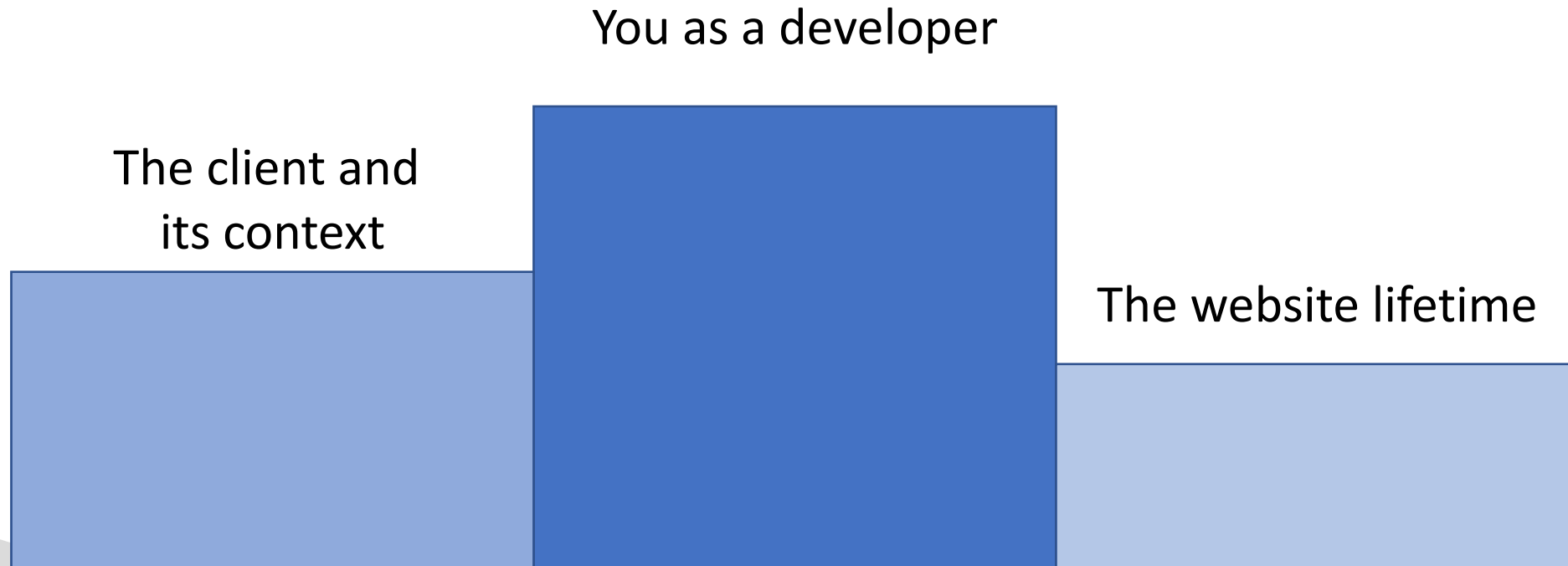
- Just update (and test) in both dev & live
- Update path can be longer
 - Dev
 - Test (unit / fonctionnal...)
 - Deploy (run scripts)



Drupal Commerce recap

- Highly Extendable
- Highly adaptable
- Highly pluggable
- High performances
- Dev team proof
- CI proof
- Learning curve even with a medium abstraction level from symfony
- Big market share lose
- Out of the box Backoffice

And the winner is...





Drupal Europe
Darmstadt, Germany
Sep 10 - 14, 2010

Become a Drupal contributor Friday from 9am

- First timers workshop
- Mentored contribution
- General contribution

Thank you

Questions
&
point of views
are welcome