

concrete5 & Zend Framework



Adding Enterprise Functionality to Existing PHP Web Applications

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PHP is a hero...

Fast
Development

Ruby

PHP

ColdFusion

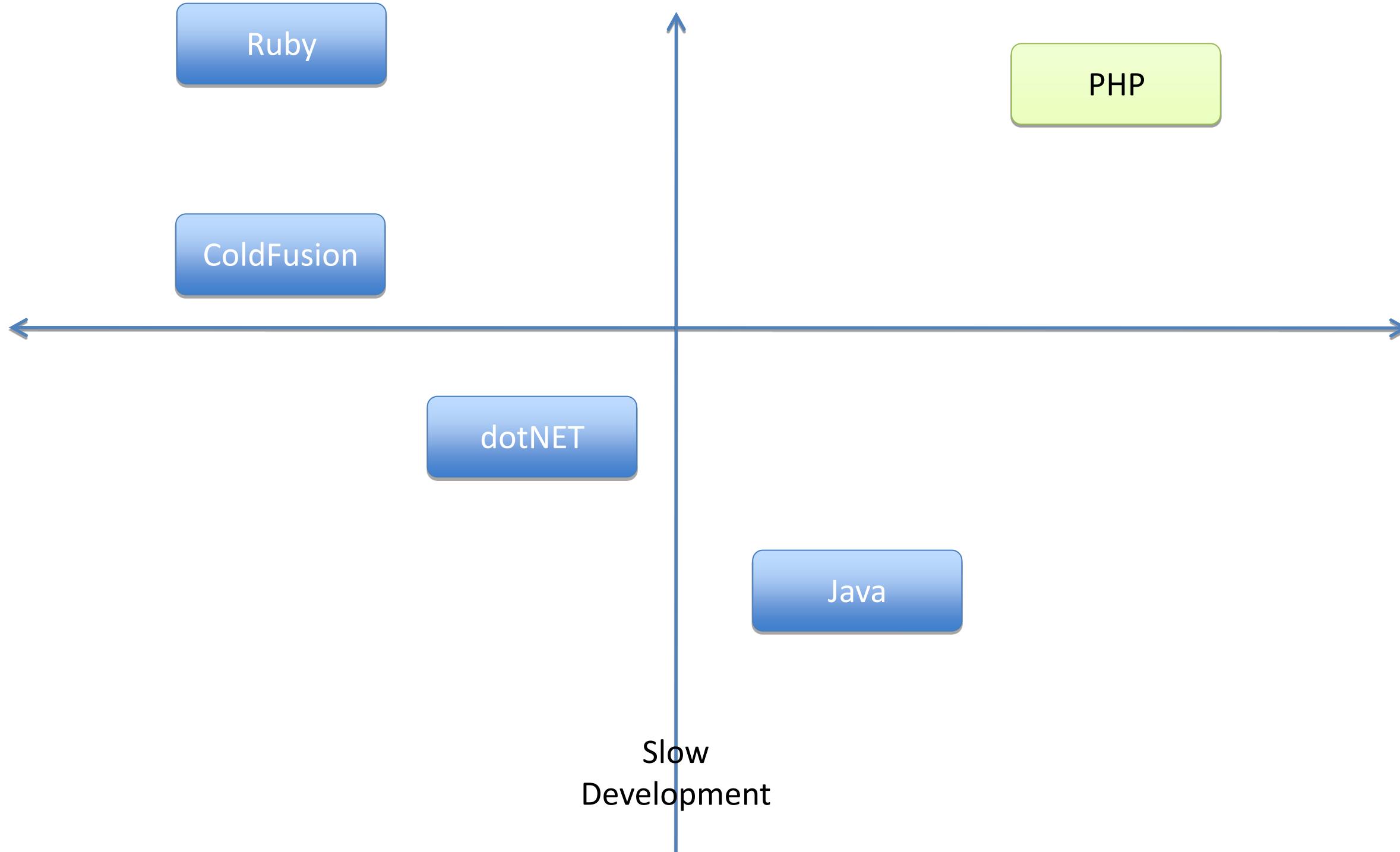
dotNET

Java

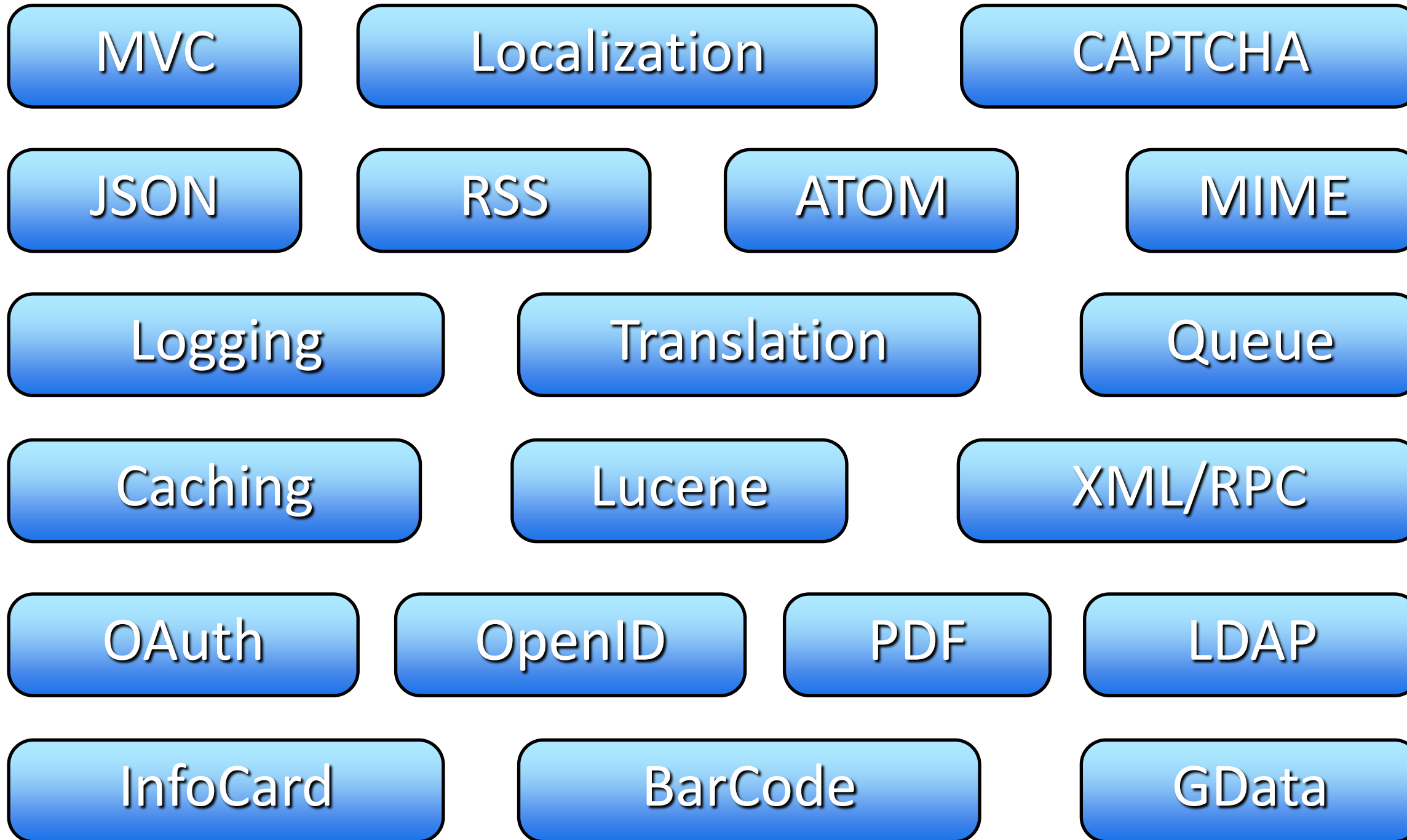
Slow
Development

Scales Poorly

Scales Well



...but it doesn't do everything*



* Yet.



Supporting enterprise standards in web applications can easily overwhelm small teams.

Problem



Zend Framework helps PHP developers extend their applications substantively, quickly and reliably.

Solution



- Commercial CMS that went Open Source
- PHP/MySQL/Apache
- Compelling in-context editing UI
- Small core team
- Hundreds of add-ons
- Huge horizontal market

Why?



- Code quality
- Documentation and code samples
- Selective inclusion of components
- Easy to experiment
- Endorsed by Zend

Real Problem : Email

- All web applications deal with it
- Implemented using a concrete5 helper

SENDING MAIL IN CONCRETE5

```
$mh = Loader::helper('mail');  
$mh->from('andrew@concrete5.org');  
$mh->to('johndoe@gmail.com');  
$mh->setSubject('Hello!');  
$mh->setBody('This is the body of the email message.');
```

```
$mh->sendMail();
```

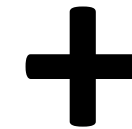

Real Problem : Email

- + Send plain text email
- + Send mail using local mail server.



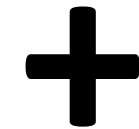
Real Problem : Email

- + Send plain text email
- + Send mail using local mail server
- + Send HTML mail
- + Send mail using external mail server
- + Attach files to outbound emails
- + Import mail from POP and IMAP servers
- + Import mail attachments



Real Problem : Email

- Completely backward compatible
- Implementation: from start to testing within **1 day**.
- Creates add-on opportunities for developers

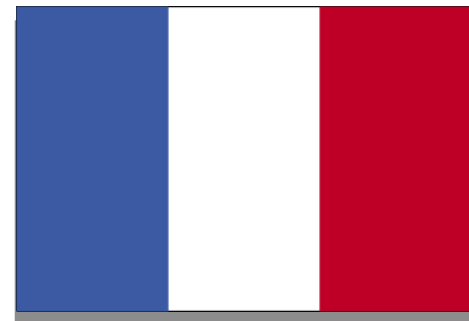


Real Problem : Translation

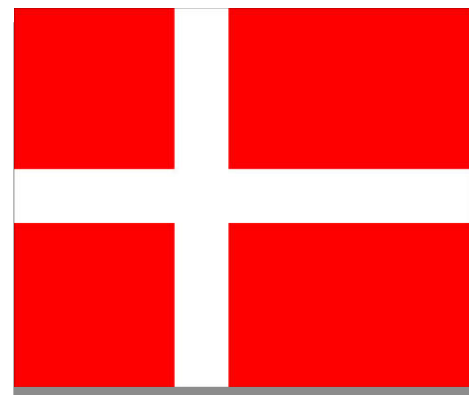
```
<?php print t('Hello World!'); ?>
```



Hallo Welt!



Bonjour Monde!



Hello Verden!

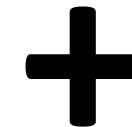
Real Problem : Translation

- + Translate the core.
- + Formats supported: Gettext
- + Fast
- Unreliable
- **No add-on translation**



Real Problem : Translation

- + Translate the core
- + Translate add-ons
- + Share translations
- + Formats supported: Gettext, Array, CSV, TMX, INI
- + Reliable
- + Consistent Date Localization
- Resource Usage



Real Problem : Translation

- Completely backward compatible
- addTranslate() is almost magical
- Implementation: entire existing localization framework replaced in **half a day**



+



Real Problem : Caching

New software applications start lean.



Real Problem : Caching

More features = longer load times, slower execution



Real Problem : Caching

Solution: Caching stores frequently used data for quick access

QuickTime™ and a
GIF decompressor
are needed to see this picture.

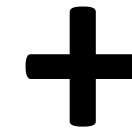
Real Problem : Caching

- + File
- + eAccelerator
- Rushed development



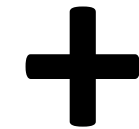
Real Problem : Caching

- + File
- + XCache
- + APC
- + Zend Platform
- + SQLite
- + memcached
- + Optionally use two Cache Levels
- + Works with Zend_Translate
- + Highly configurable
- + Highly maintained



Real Problem : Caching

- Completely backward compatible
- Implementation: Original Cache? Weeks. Zend_Cache? **2 days**



The Result

- Fewer bug reports
- Fewer third party libraries/licenses
- Less time spent on problems unrelated to concrete5
- Business & Enterprise interest in concrete5
- Extreme gratitude

The Future



- Exploring further integration opportunities
- Zend Framework first, other libraries second
- Increased interest in Zend Platform as a whole