

# Rapid PHP Web Development with Symfony Framework

Coscup Conference, Taipei  
15 Sept 2009



# Who am I

- Paul Ooi a.k.a takizo (黄琮政)
- Chief Systems Engineer of Global Transit
- Internet Service Provider environment
- Systems, Security and Applications

# We Love Open Source

- Almost all applications/systems are powered by Open Source Software



PostgreSQL



symfony



SOURCEfire

Nagios



smoke  
ping



BIND

# Rapid PHP Web Development with Symfony Framework

symfony

# Why Framework?

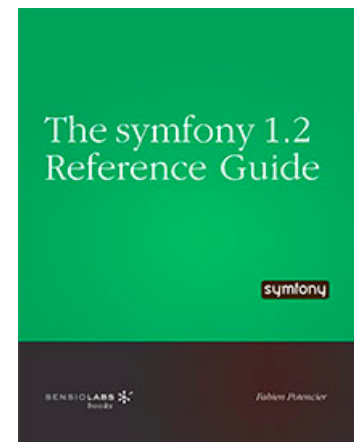
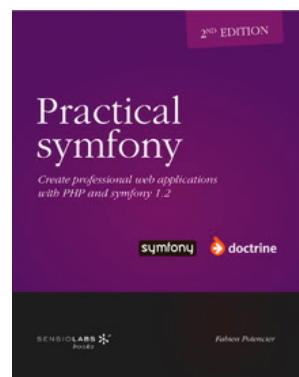
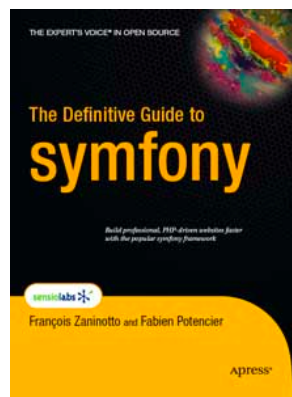
- Speed up application development
- Easy to maintain
- Structured the code
- Code cleanliness
- Scalability
- Code Reusable / Object orientation
- Agile Development
- MVC Pattern (Model, View, Controller)

# Why Symfony

- Support complex web applications
- Ideas adopted from existing framework (Mojavi, Prado, Rails, Django)
- Clean MVC Separation
- Configurability, Flexibility
- Write less code...
- Support Unit and Functional Testing

# Documentation

- The Definitive Guide – Free Online
- Support Multiple Languages: EN, CN, IT, JA, VN
- Greet Tutorials: askeet, jobeet, cookbook, prople, doctrine
- API Reference for plugin

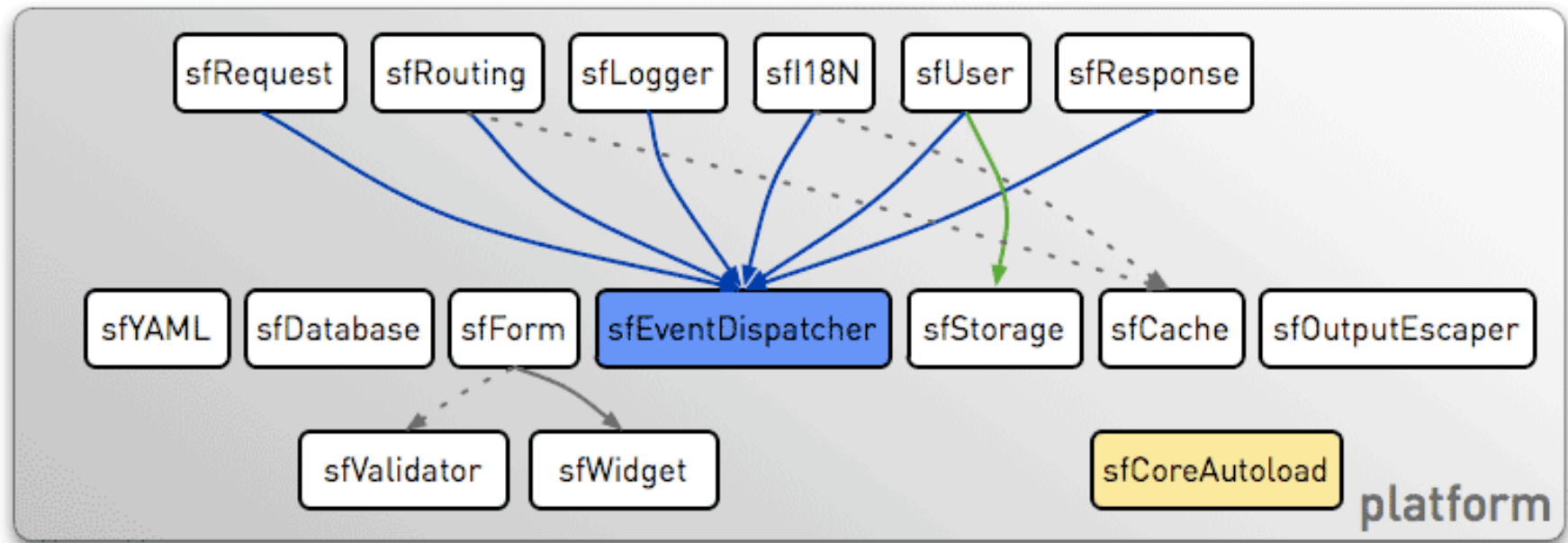


# Community

- Large community
- Forum
- Wiki
- Snippets
- Mailing List/Group
- Symfony Blogs



# Design



# Design

- Clean Separation: Model, View, Controller
- Model: Library, Classes
- View: Template
- Controller: Configuration
- Classify: Module > Action
- Restrictive with Structure
- App > Module > Action > <configuration files>
- Generate default classes, libraries and models

# Database

- MySQL and PostgreSQL
- Object Role Modeling (ORM)
- Propel as default
- Doctrine is distributed with Symfony
- It doesn't require external ORM

# Speed and Performance

- Cache configuration
- Caching on page, function, query
- opcode, memcache, zend
- easy cache management *sfViewCacheManager*
- disable/enable plug-ins, database, modules

# Template and Routing

- Easy to manage template
- template is base on module's action
- Routing base on configuration
- SEO Friendly URL

<http://coscupdemo/article/123>

<http://coscupdemo/how-to-start>

# Testing and Troubleshoot

- Turn on development environment
- Assessment on module loading time
- Analyze database query
- Friendly logging

# Plugin and Helper

- Ajax Enabled Plugins
- jquery, dojo, extjs, yui
- Create your own plugin and reuse
- Helper makes your life easy

Validation – using YML

Autocomplete – `input_autocomplete_tag`

Drag and drop – `draggable_element`

# Demo



# Symfony

- yahoo! answer
- yahoo! bookmark
- delicious
- Daily Motion
- CRM, Customer Portal, Intranet Portal

**YAHOO!** ANSWERS

**YAHOO!** BOOKMARKS



# Question

Enjoy the rest of the conference

