

# THE MODERN ERA OF PHP

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# MY STORY

**HOW DID WE GET  
HERE?**



RASMUS LERDORF





The PHP Company

# PHP 5

# PHP 5 FEATURES

- ▶ Standard PHP Library
  - ▶ Type hinting
- ▶ Exception Classes
- ▶ PDO

# PHP 5 OBJECT MODEL

- ▶ Classes (abstract) and interfaces
  - ▶ Static Methods
  - ▶ Magic Methods
- ▶ Autoload Method
- ▶ Zend Engine 2

# PHP 5.1

- ▶ Date library overhaul
- ▶ Performance improvements (carries with each version)
- ▶ PDO enabled by default

# PHP 5.2

- ▶ Better memory management
- ▶ JSON support
- ▶ Zip extension
- ▶ Input filtering
- ▶ File upload progress tracking

# PHP 5.3

- ▶ Namespaces
- ▶ Late static binding
- ▶ Lambda and closure support
- ▶ True OOP
- ▶ Syntax additions

# PHP 5.4

- ▶ Traits
- ▶ New array syntax
- ▶ Built-in web server
- ▶ Closures support `$this`

# PHP 5.5

- ▶ Zend OPCache
- ▶ Password hashing API
- ▶ Generators
- ▶ `finally` keyword

# OBJECT ORIENTED PROGRAMMING

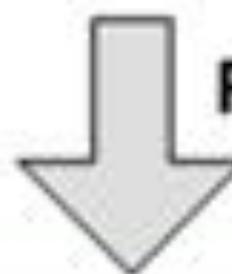
BUILDER  
ITERATOR  
ADAPTER  
**PATTERNS**  
FACTORY  
MODULE  
OBJECT  
FLYWEIGHT  
VISITOR  
TEMPLATE  
TRANSLATOR  
SERVANT  
BLACKBOARD  
BEHAVIORAL  
RESPONSIBILITY  
INITIALIZATION  
ACQUISITION  
CONTROLLER  
PROTOTYPE  
SINGLETON  
MEDIATOR  
OBJECT  
BRIDGE  
METHOD  
DECORATOR  
CHAIN  
INTERPRETER  
PUBLISH/SUBSCRIBE  
PROXY  
LAZY  
STRUCTURAL  
SPECIFICATION  
STRATEGY  
STATE  
NULL  
FRONT  
MEMENTO

# AUToloading

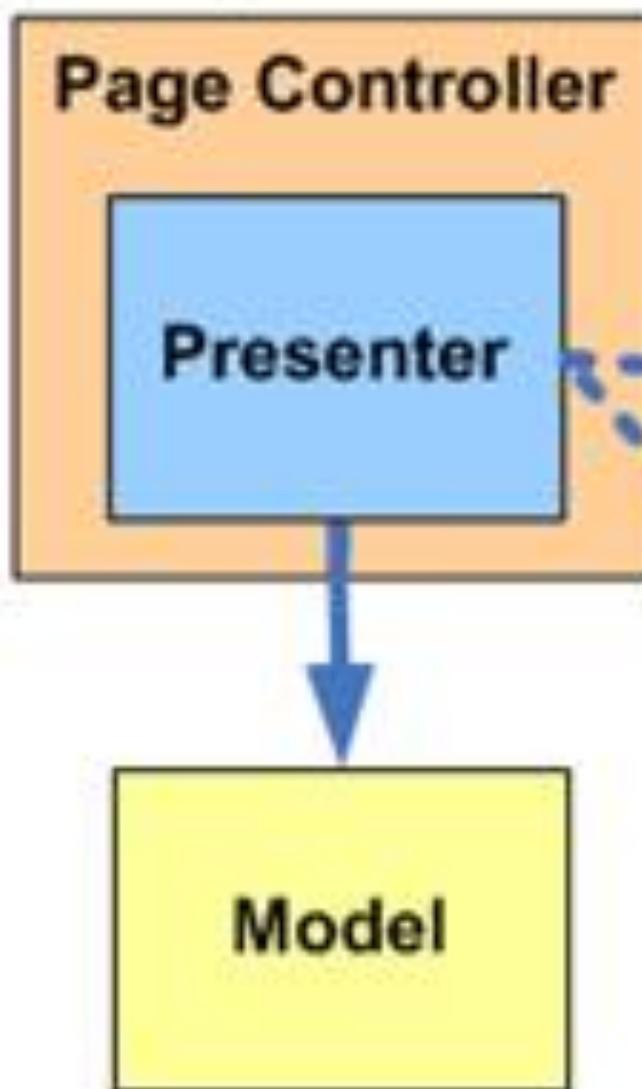
autoload()  
**CHANGED EVERYTHING**

# PAGE CONTROLLER PATTERN

# FRONT CONTROLLER PATTERN



Request



Page Controller



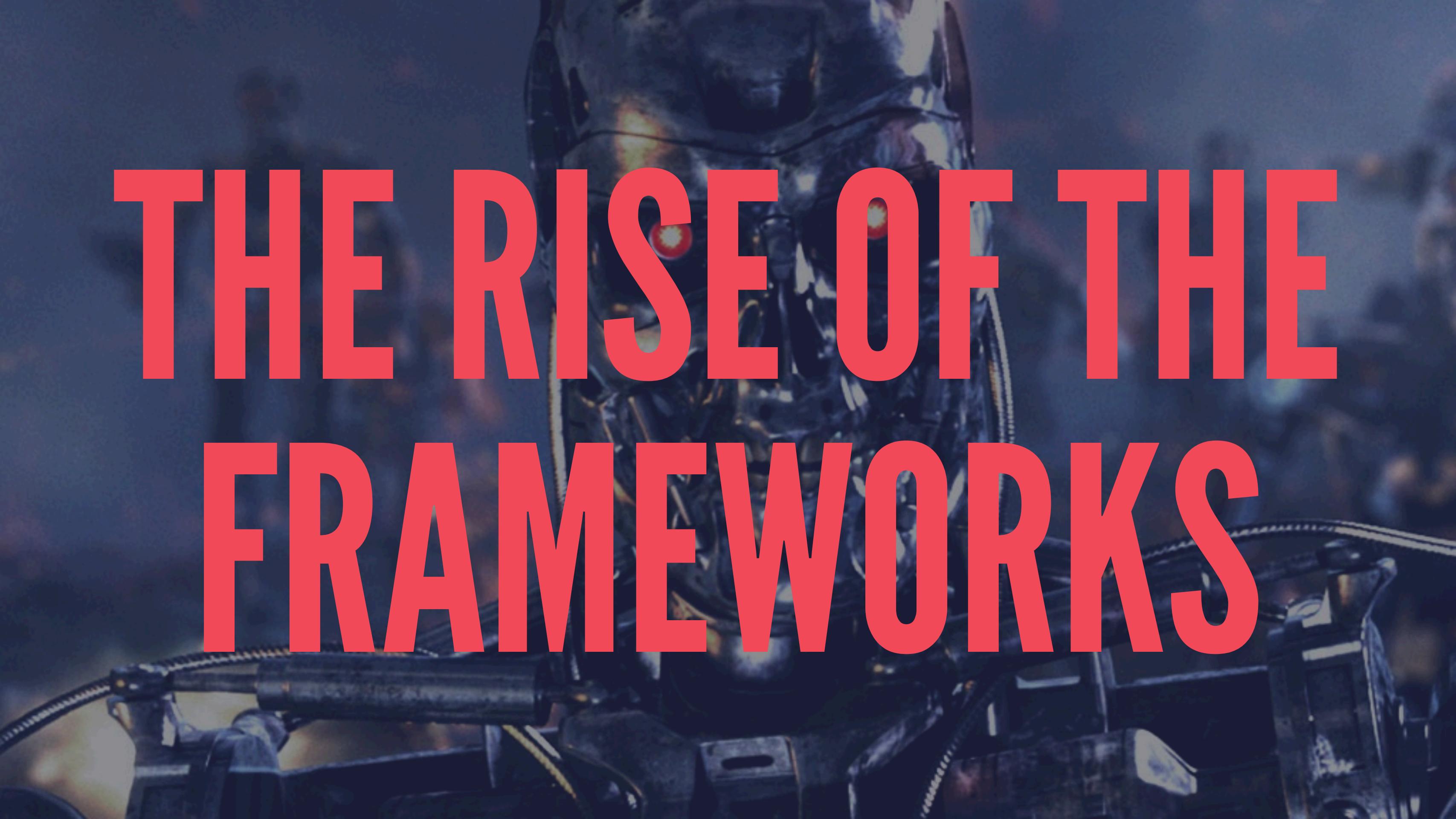
Request



Front Controller

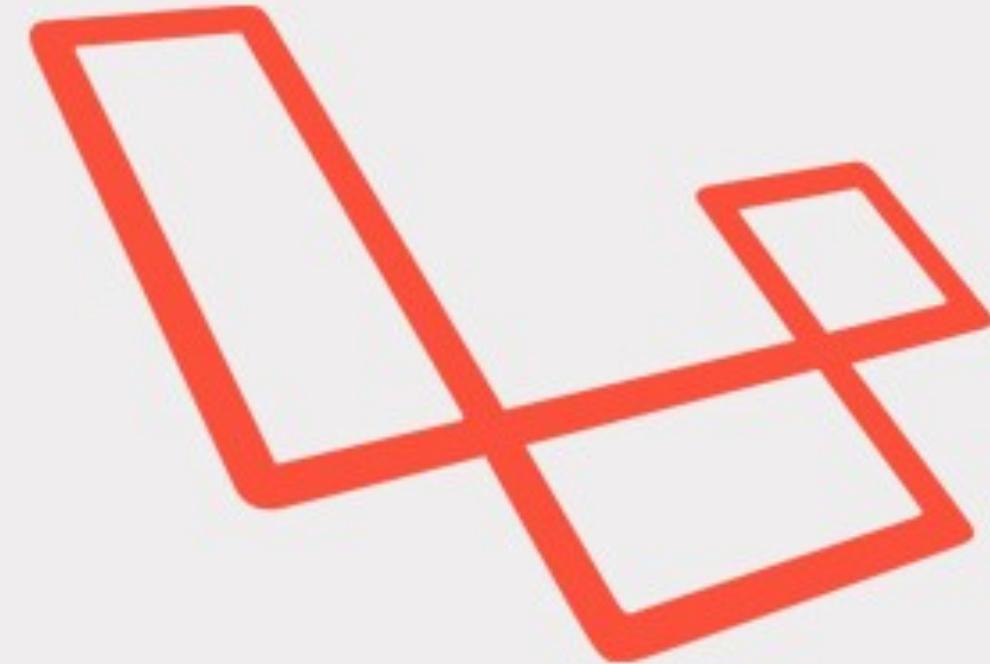
**BECAUSE OF THIS BETTER  
STRUCTURE, WE CAME  
UPON...**

# THE RISE OF THE FRAMEWORKS



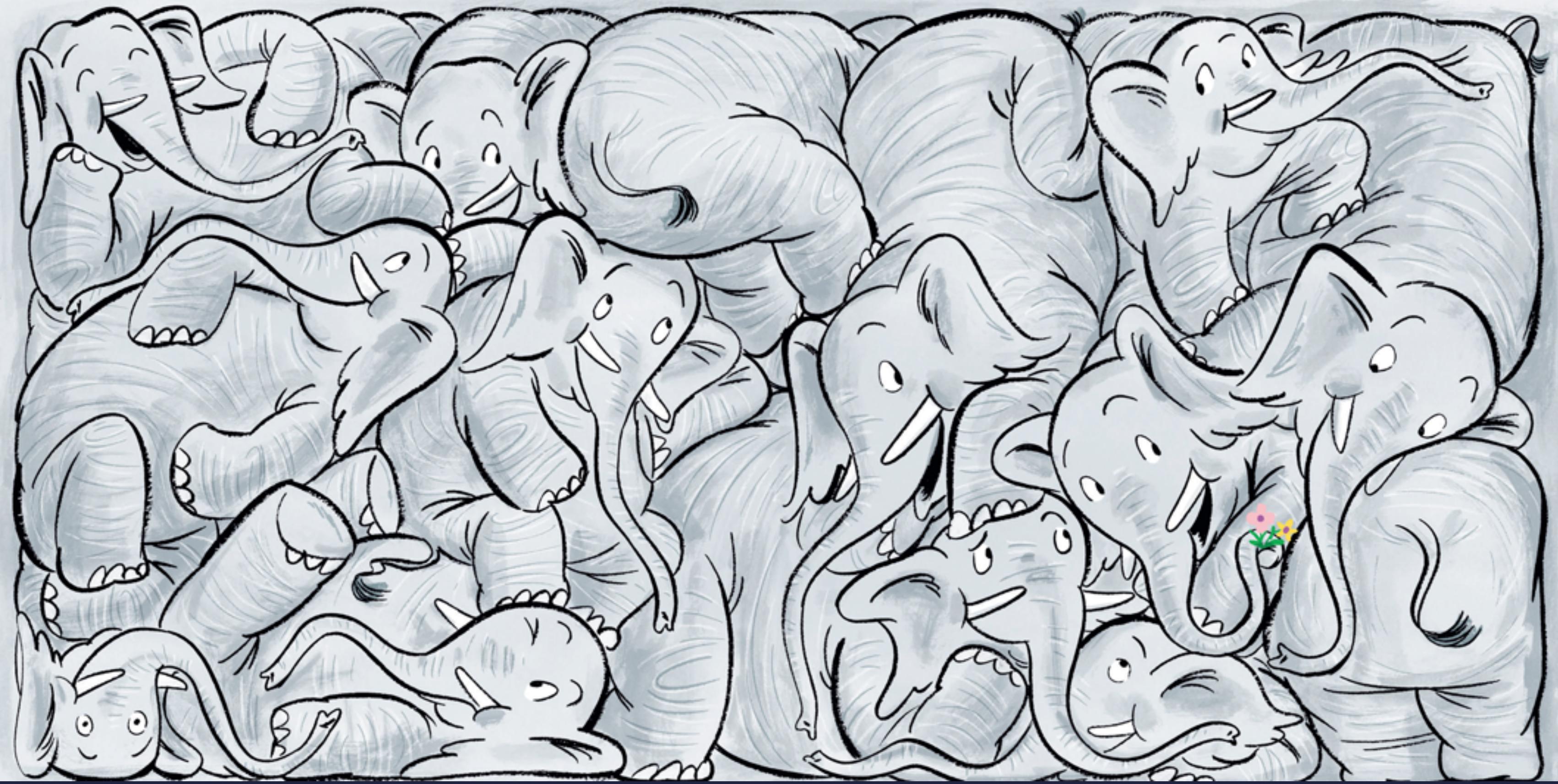


# Symfony





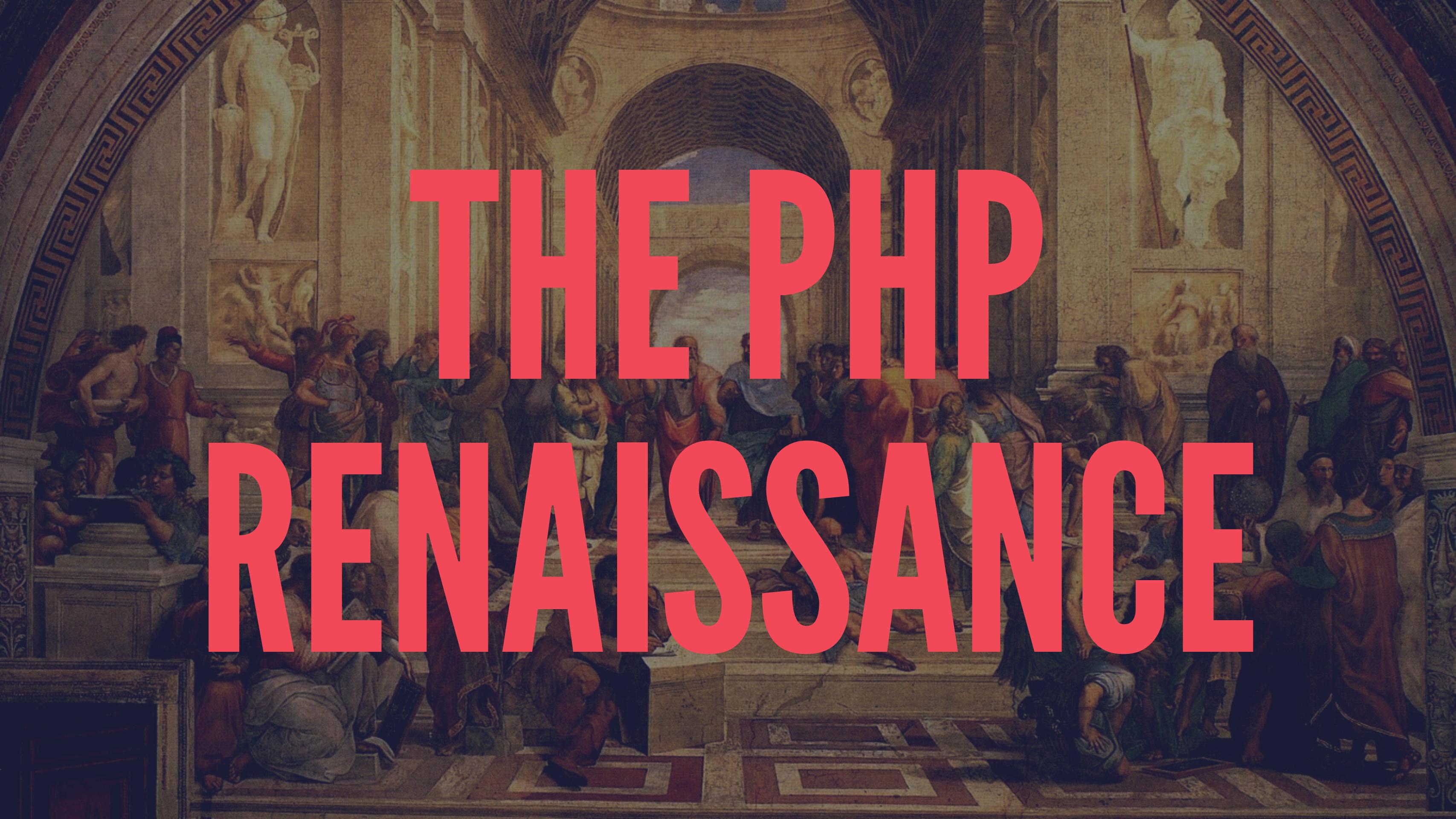
# PROBLEM



# **PHP FRAMEWORK INTEROPERABILITY GROUP**

# THE PSRS

- ▶ **PSR-0: Namespacing and autoloading conventions**
  - ▶ **PSR-1: Coding Standard**
  - ▶ **PSR-2: Coding Style Guide**
  - ▶ **PSR-3: Logging Interface**
- ▶ **PSR-4: Autoloading Enhancements**

The background of the image is a reproduction of the ceiling of the Sistine Chapel, specifically the scene of the Last Judgment by Michelangelo. It features numerous figures in classical and religious attire, set against a backdrop of architectural elements and a central arch. The colors are earthy and somewhat muted.

# THE PHP RENAISSANCE

**COMPOSER AND  
PACKAGIST**

**PACKAGE  
PROLIFERATION**

- ▶ Guzzle
- ▶ Monolog
- ▶ Dingo/API
- ▶ Twig
- ▶ Doctrine



**TOOLS TOO!**  
**NOT JUST PHP**

# VAGRANT DISPOSABLE VMS

**PUPPET  
CHEF  
ANSIBLE  
VAPROBASH**

# VERSION CONTROL

- ▶ Git
- ▶ Mercurial
- ▶ Subversion



# GITHUB AND BITBUCKET





**NEW RUNTIME WITH HHVM  
AND HACK**

**LEARNING AND  
GROWING**

# TESTING





- ▶ PHPUnit
- ▶ PHPSpec
- ▶ Behat
- ▶ Codeception
- ▶ Phake
- ▶ Mockery
- ▶ SimpleTest

# **ADVANCED DESIGN PATTERNS AND ARCHITECTURE**

- ▶ Action-Domain-Responder
- ▶ Command-bus Architecture
- ▶ Domain Driven Design
  - ▶ CQRS
- ▶ Event Sourcing
- ▶ SOLID Principles

**LOOKING  
TOWARDS PHP'S  
FUTURE**

**INTERNALS ALWAYS NEEDS  
HELP**

**HELP WITH PACKAGES (OR  
PUBLISH YOUR OWN)**

**HELP GROW THE COMMUNITY**

**HELP WITH NEWCOMERS**

**[HTTP://PHPMENTORING.ORG/](http://PHPMENTORING.ORG/)**

# KEEP LEARNING

- ▶ TutsPlus
- ▶ PHP The Right Way
- ▶ Laracasts
- ▶ Other Community Devs



**KEEP CREATING  
AWESOME STUFF!**

**THANKS!**

**IF ANYTHING IN THIS PRESENTATION  
INTERESTS YOU AND YOU'D LIKE TO LEARN  
MORE, OR YOU WOULD LIKE TO GIVE A  
PRESENTATION AT OUR NEXT MEETING,  
COME TALK TO ME!**

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