

# Zend Server 6

The Application Centric Stack

# An interface with applications

Zend Server 5 had applications?

- Only Deployed applications
- Monitor Events could be filtered by application
- Applications could be viewed and managed

The UI focused on servers, php configuration and Zend's components

# Applications leading the UX

Zend Server 6 adopts a new approach

- Applications have been integrated
- Can be defined arbitrarily
- New elastic architecture is cloud-friendly
- Each application is its own "eco-system"

Servers have been pushed aside

You will not hear the word "Server" from here on out



# Some basics

- Dashboard - demo application
  - Sample events
  - Sample statistics
  - Sample rules
- Deploy Application
  - Package based deployment
  - Application may be later updated and redeployed
  - May include monitor and page cache rules

# Some more basics

- **Define Application**
  - Arbitrarily create an application by an existing baseUrl
  - No processing is performed - configuration must be done by the user
  - Apart for a few limitations behaves as any deployed application

## Word Origin & History

### **application**

late 15c., "the bringing of something to bear on something else," from O.Fr. application, from L. applicationem (nom. applicatio) "a joining to, an attaching oneself to," noun of action from applicare (see [apply](#)). Meaning "sincere hard effort" is from c.1600.

Online Etymology Dictionary, © 2010 Douglas Harper

# Filtering by applications

- **Dashboard statistics**
  - Filter statistics by application
  - Filter Latest Critical Events by application
- **Monitor Events**
  - Events are produced by php execution
  - A single issue contains multiple events
- **Jobqueue Jobs**
  - Jobs are issued by script or scheduler
  - Job URL is automagically assigned to a known application



Zend Server  
operator installing a  
new filter

	Global	Application 1	Application 2
	zendServer		
Events	Events belonging to URLs that are not "Applications"	Events for Application 1	
Jobs	Jobs sent to foreign URLs or are not "Applications"		Jobs for Application 2
Statistics	Global statistics such as 'CPU usage', 'Memory consumption'	Statistics for Application 1	

## Information matrix for ZS6

# New Concept:

## Page Cache per application rules

### Page cache configuration basics

- What is it good for?
- Performance

### Page cache application specific rules

- Supply specific applications with rules
- Provide management scope

### Page cache rule packs in deployment

- Automate rule creation and management
- Done using the WebAPI



# Monitor Rules

## Configuration basics

- Global rules

## Rule type

- Supplied behaviors
- A few favorites: PHP Error, Function error

## Severities & associated actions

- Codetracing integration
- External integration



# New Concept: Monitor Application rules' override

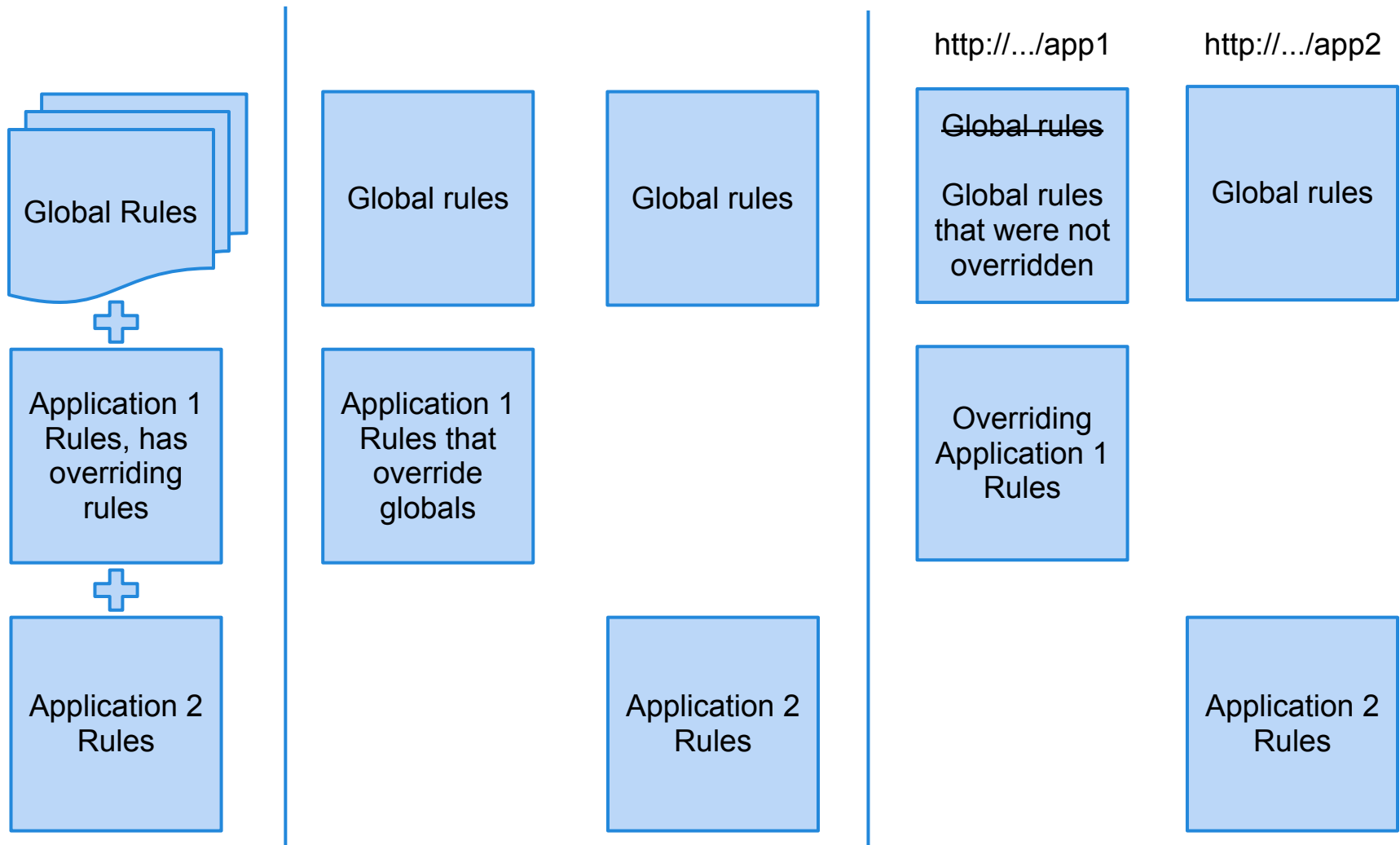
## Application specific rules

- Unrelated to other rules
- Application specific

## Application overriding rules

- Overrides behavior for parent rule
- Application specific

# Monitor Event Rules internals



# New and improved: custom events

## Event Type: Custom Event

- Created by the application
- Reported by a function

```
zend_monitor_custom_event($class, $text, $user_data)
```

```
zend_monitor_custom_event_ex($class, $text, $rule_name, ...)
```

## Used in ZF2

- Log\Writer\ZendMonitor
- Mvc\DispatchListener

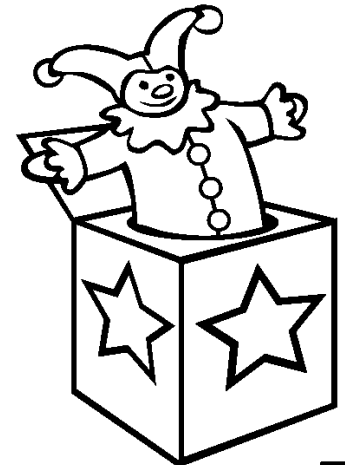
# Rules and applications: A new friendship

Applications packages may contain rules:

- Monitor event rules
- Page cache rules

When deployed, rules are set "in context":

- Monitor Rules override same-name global rules automatically
- Page Cache rules are created with the baseurl in scope



# Limiting user access to applications

Three types of authentication:

- Simple Authentication - not very interesting
- Extended Authentication: Ldap
- Extended Authentication: Custom adapters

Extended Authentication

- Uses a remote service for authentication
- Allows the use of "LimitedDeveloper" role
- Allows an administrator to assign a user group to an application

# Quick word about WebAPI

Web-services are prevalent and extensive

- Functionality: all of it
- Keys are owned by users
- ACL and application rights are enforced
- All application-centric aspects of the system are also used in the webapi

# Future prospects

- Scheduled Jobs in packages
- More and better statistics
- Different PHP configuration per application

\* plans may change <ahem>



/ZendServer/Api/Thanks?audience=wonderfull

Thanks!

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