



The PHP Company

Deployment Without the Chaos!

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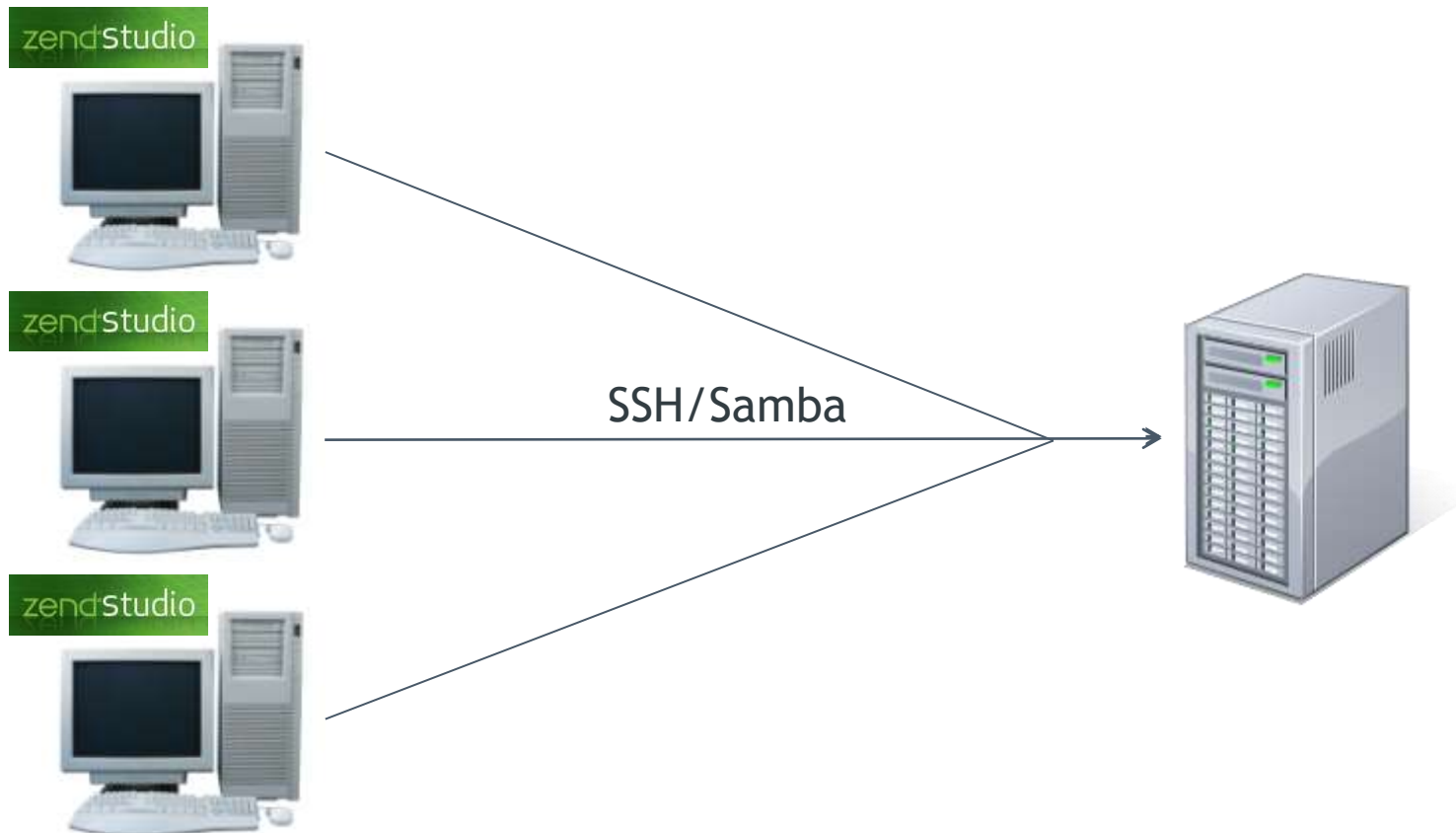
Eric Ritchie bids you welcome!

- Senior Technical Consultant and Trainer at Zend Technologies
- Zend Framework and PHP 5.3 ZCE
- Seventeen years of system administration experience
- Eleven years of PHP (3,4 & 5) and five years Zend Framework development experience
- Hobbies: Sampling good wines/whiskies (gifts welcome)

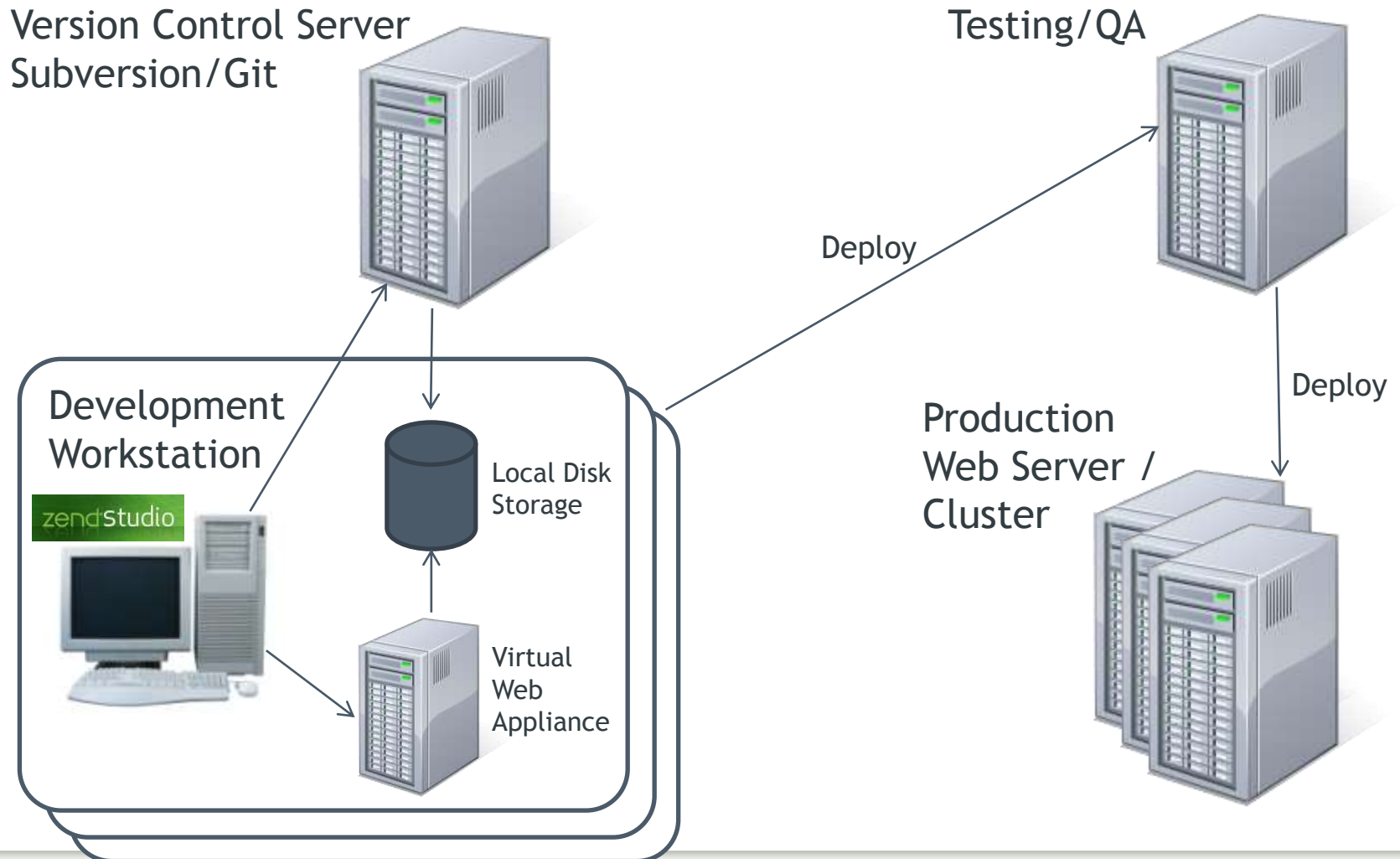


The good old days of PHP development?

- A few developers working directly on a single server



The professional version...



Managing deployment

- **Potential nightmare senario:**
 - ▶ Testing server controlled by integration team / Sysops
 - ▶ Production server controlled by Sysops
 - ▶ Only developers should need to know how to deploy
- **Fast path to tranquility:**
 - ▶ Zend Server 5.6 Deployment features
 - ▶ Zend Studio 9.0.1 Deployment tools
 - ▶ Zend SDK

Demo...

Local Development and Simple Deployment



Prerequisites

- **Helps prevent deployment to incompatible targets**
- **Various tests possible:**
 - ▶ PHP version
 - ▶ Required PHP modules
 - ▶ Required PHP settings
 - ▶ Zend Framework version
 - ▶ Zend Server version
 - ▶ Required Zend Server modules

Demo...

Prerequisites



Triggers & variables

- **Scripts are called at various points in the deploy process**
 - ▶ Deploy (Stage/Activate)
 - ▶ Rollback
 - ▶ Remove (Deactivate/Un-stage)
- **Some helpful constants are defined automatically**
 - ▶ Version number
 - ▶ Application base path
 - ▶ Etc.
- **User defined constants possible, supplied by the user at deployment time**

Demo...

Triggers and Variables



Rollback (or <Ctrl>Z)

- **Ok, we deployed and our website is down... What now?**
 - ▶ Check the PHP error log?
 - ▶ Check Zend Server event monitoring?
 - ▶ Yell at the developers!
 - ▶ Develop a fix and redeploy...
- **Nah, better to act now and ask questions later:**
 - ▶ Undo!
 - ▶ You can still check your logs while your website runs

Demo...

Rollback



Zend SDK

- **Command line tool that allows (amongst other things):**
 - ▶ Creation of project templates (Hello World)
 - ▶ Project check out from Git
 - ▶ Prepare projects for deployment
 - ▶ Deploy to multiple Zend Server / Cluster Manager instances
 - ▶ Etc.
- **Used internally by Zend Studio 9**
- **Open source project**
- **Download it here: <http://code.google.com/p/zend-sdk/>**

Web API

- **Webservice based API that allows (amongst other things):**
 - ▶ Expansion/shrinking of an application cluster
 - ▶ Deploy to local or remote Zend Server / Cluster Manager instances
 - ▶ Changing the GUI password
 - ▶ Acceptance of Zend Server EULA
 - ▶ Retrieval of monitoring data
 - ▶ Retrieval of code tracing data
 - ▶ Etc.

Demo...

Command Line
Deployment using
the Web API



Cloud topics

- **What happens when “booting” a new cloud server?**
 - ▶ You get a shiny new bare bones Linux server, that’s all*
 - ▶ What about your application?
- **Let’s see what happens...**

Demo...

Cluster Expansion



Package customisation

- **Possible to adjust the deployment package when:**
 - ▶ Not the complete project should be deployed
 - ▶ Project contains some static elements (libraries)

So long...

- ...and thanks for all the fish.

