



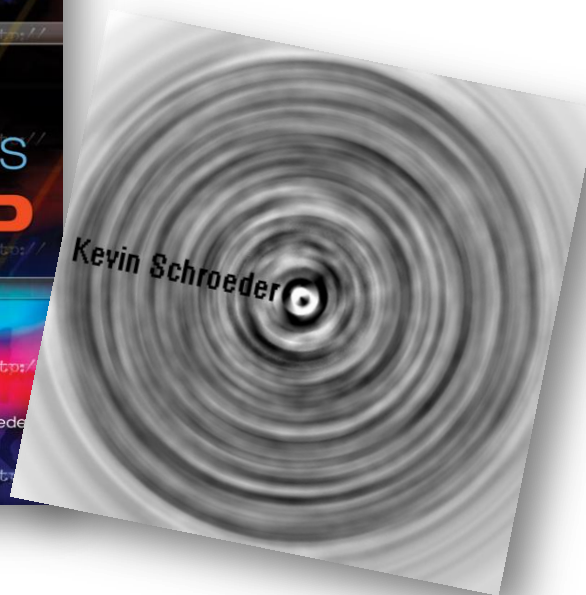
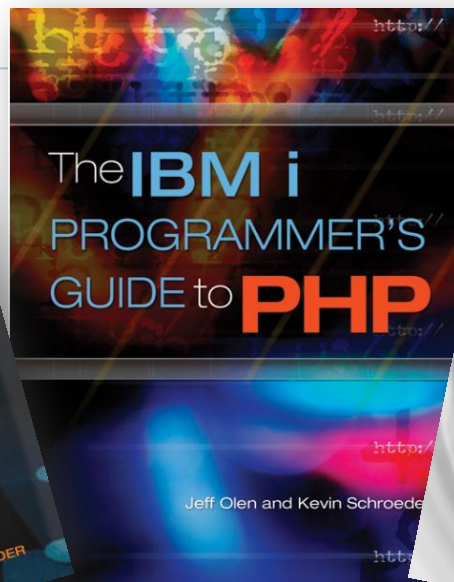
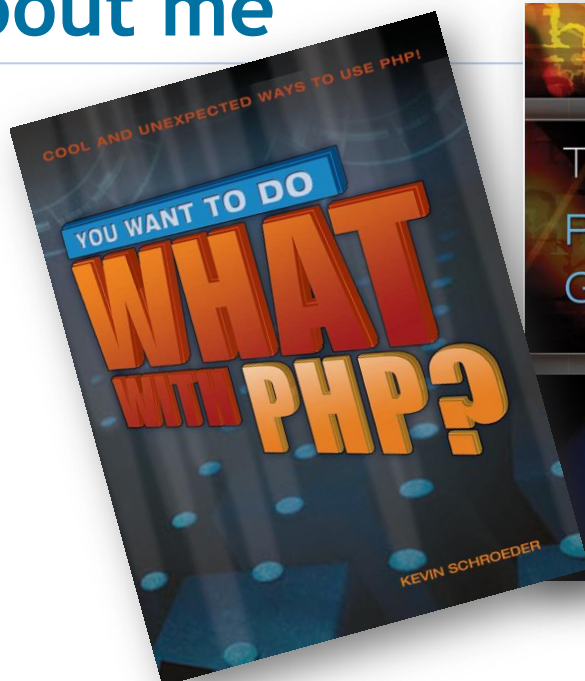
The PHP Company

# Zend PHP Cloud Application Platform

Kevin Schroeder

Technology Evangelist

# About me



Past: Programming/Sys Admin

Current: Technology Evangelist/Author/Composer



@kpschrade

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# Is this a new product?

## No!

It is a new(ish) way of thinking.

It is an integration of

Software

Infrastructure

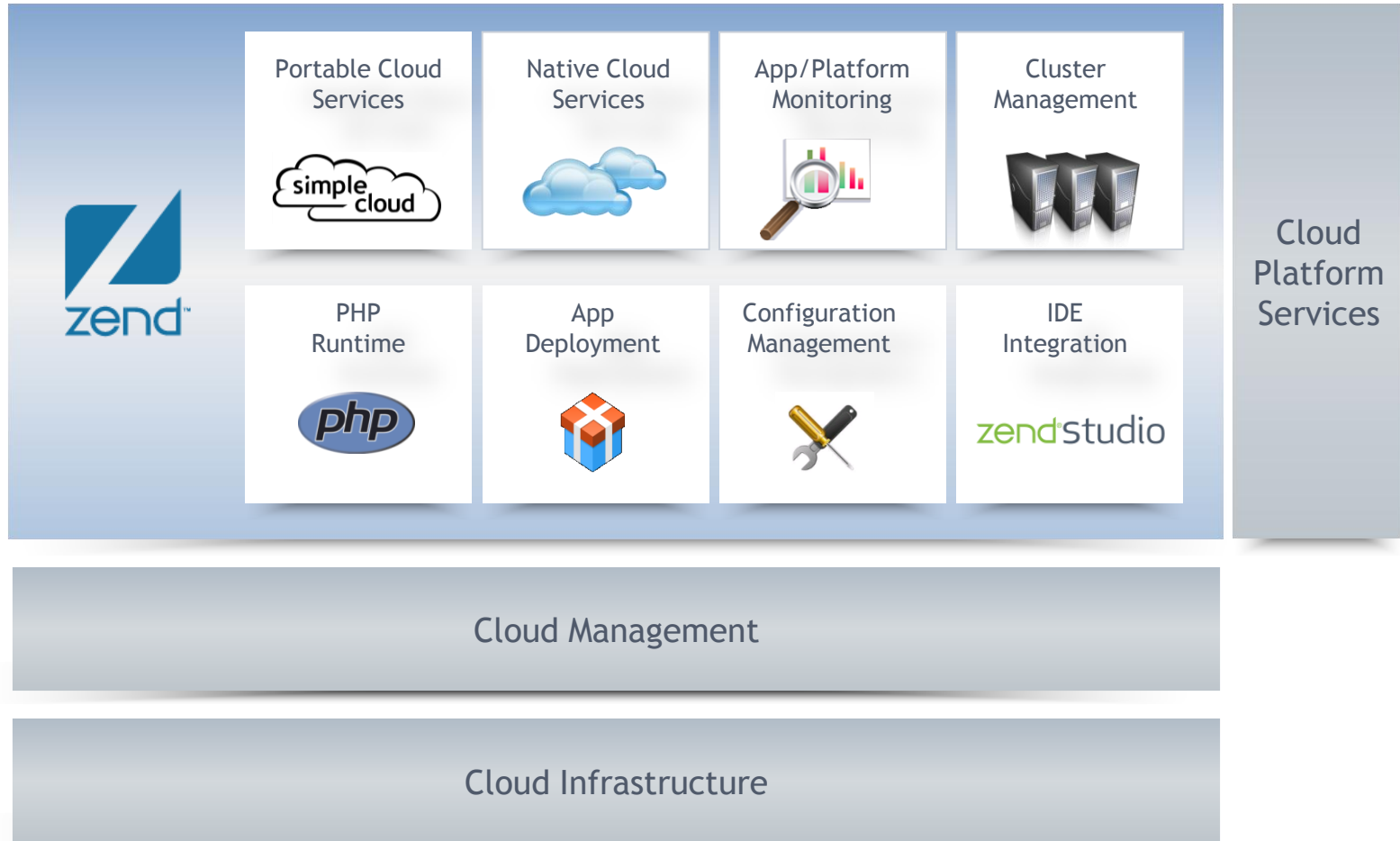
APIs

# Value of the Zend PHP Cloud App Platform

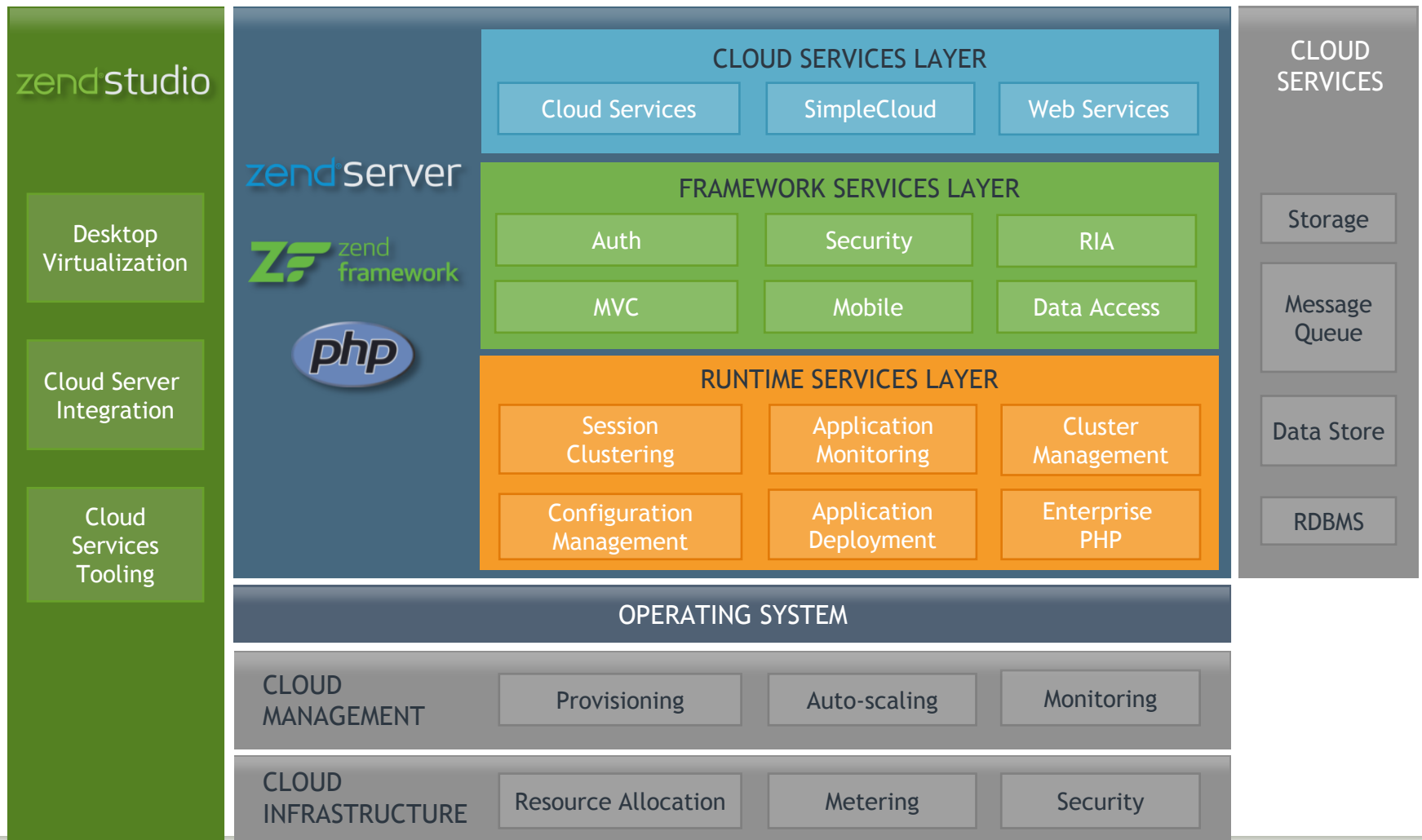
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- Standardized management
- Integration with various third party tooling
- Cross-cloud compatibility for data access
- Monitoring of PHP applications across cloud machines
- Consistent configuration across cloud machines

# Building Blocks of the Zend PHP Cloud Platform



# Zend PHP Cloud Platform Components



# You will need to change your thinking...

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**Defined tasks**

**Loose data coupling**

**Resource discovery**

# Considerations

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- Performance is not Paramount (it WILL be slower)
- Build your application with NO hardcoded values like directory or resource locations
- Decouple/Partition
- Use queues/messaging
- Use stateless interfaces
  - ▶ (polling is more scalable than idle connections)

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# Our Example



# Cloud Functionality in Zend Framework

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- Provide access to document databases
- Provide access to queue services
- Provide access to storage services
- Ability to manage AWS via `Zend_Service_Amazon_Ec2`
- Ability to work with Azure via `Zend_Service_WindowsAzure`

NEW  
8.0

zend®studio *The Leading PHP IDE*

- If you're using an IDE simply for code completion...
- An IDE is an amalgamation of small pieces of functionality



SNORTING COKE

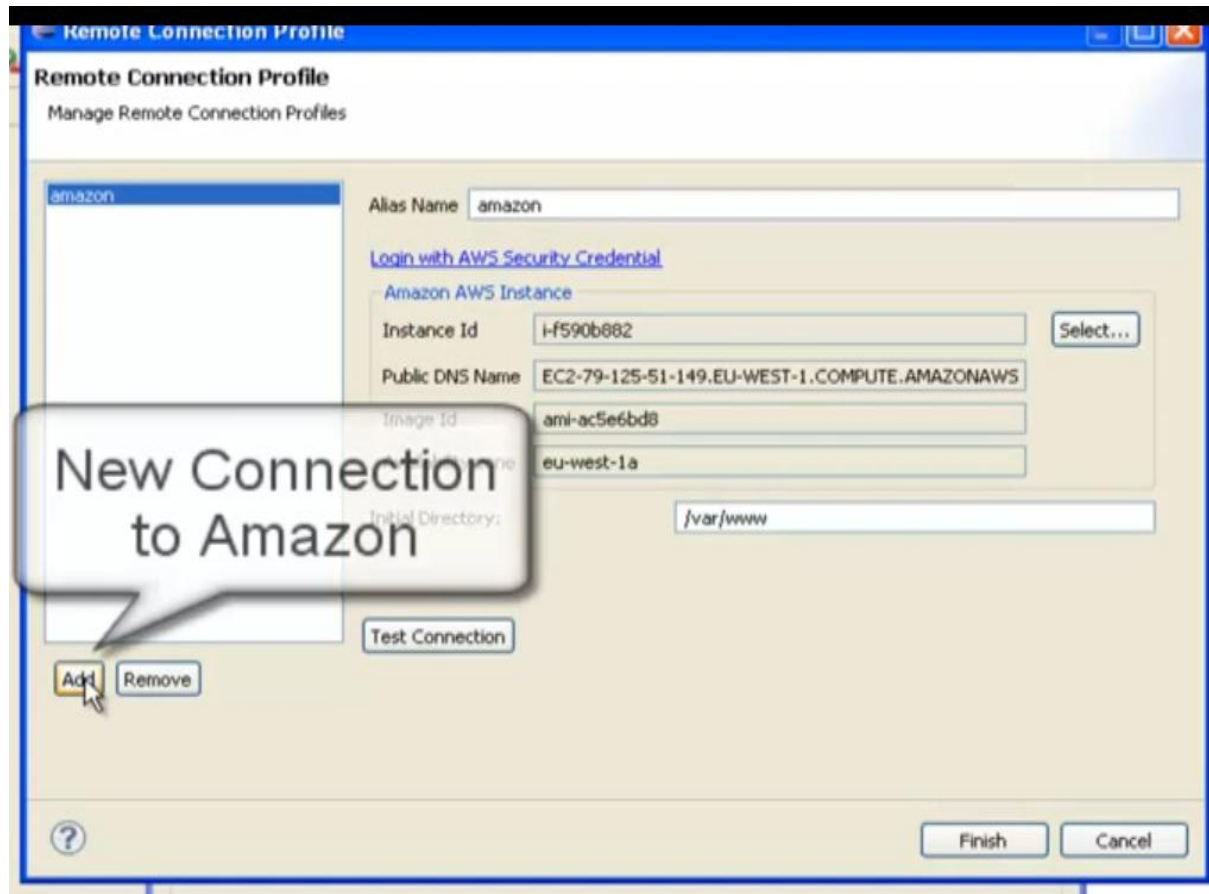
You're doing it wrong.

# Cloud Functionality in Zend Studio

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- Integration with cloud service management
- Integration with cloud data-handling functionality
- Integration with testing platform
- Integration with ticketing/versioning/bug tracking
- Integration with debug/profiling tools
- Integration with Zend Server/Zend Server Cluster Manager

# More functionality coming





zend<sup>®</sup> server cluster manager

# Cloud Functionality in Zend Server

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## Managed using Zend Server Cluster Manager

- Event monitoring across disparate machines
- Code Tracing across disparate machines
- Session Clustering across disparate machines
- Job Queue across disparate machines
- Cloud pricing across disparate machines



Get the Zend Server AMI!

# Our example

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- Includes easy scalability
- SimpleCloud functionality
  - ▶ Queue
  - ▶ Documents
  - ▶ Storage
- Centralized monitoring
- Asynchronous Jobs
- Zend Studio integration
- Zend Server integration

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**Let's see some code!**

# Some things to note

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- Implementation *details* are often able to be set via configuration
- Hard-code as few implementation details as possible
  - ▶ Use getters, like `getDocumentClass`, to get vendor-specific implementation info
- Don't rely **ONLY** on databases; poll a queue instead of a DB
  - ▶ Why? Because that's what it's there for

# Where to go from here

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- Try Zend Studio w/ cloud tooling
- Try SimpleCloud with a cloud platform
  - ▶ AWS has VERY low pricing for low usage
- Try out Zend Server (30 day trial available)
- Try this example app (needs Zend Server)
  - ▶ <http://bit.ly/eschradeCloud>

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