



The PHP Company

# Zend Framework and PHP In The Cloud

Zeev Suraski

Co-founder & CTO, Zend Technologies

Co-architect of PHP



# Agenda

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- About Zend (just a tiny bit)
- Introduction to Zend Framework
- Cloud Computing
- Simple Cloud API

# Zend - “The PHP Company”

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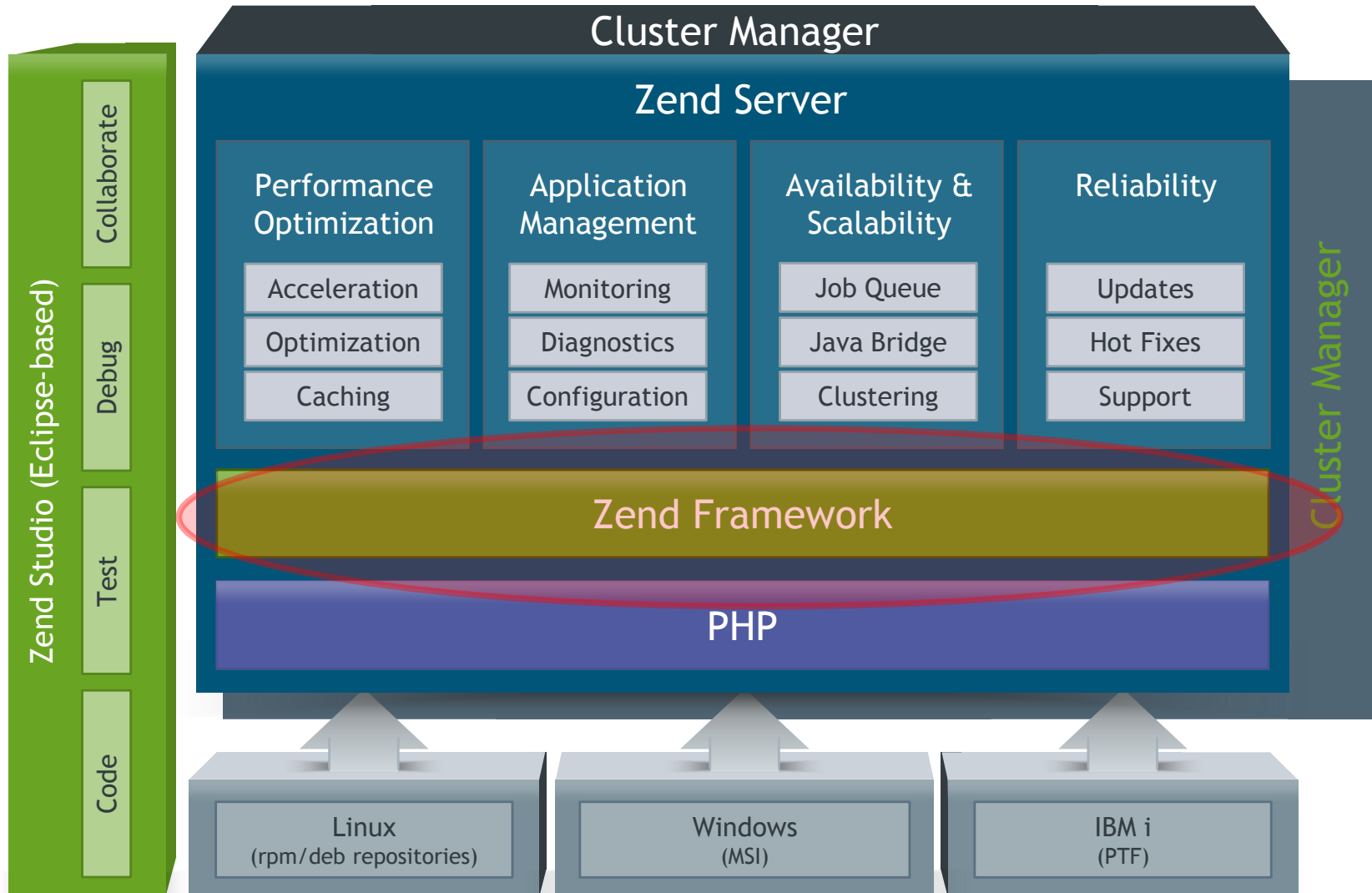
- **Leading provider of PHP solutions - 30K+ paying customers**
  - ▶ Open Source Projects: PHP, Zend Framework, Eclipse PDT
  - ▶ Commercial Products: Zend Studio, Zend Server
  - ▶ Education, certification and consulting around PHP
- **Founded in 1999 by Andi Gutmans and Zeev Suraski**
  - ▶ Creators of the core PHP scripting engine, the Zend Engine
  - ▶ Key contributors to PHP

# Over one-third of the Web runs on PHP

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# The Zend Stack



# Zend Framework

## Core

Registry	Uri
Log	Cache
Mail	Config
Loader	Date

## MVC

Controller	View
Layout	Application

## Formats & Data Access

Db	Json
Search	Dom_Query
Ldap	Feed
Amf	Queue



## Security

Auth	Acl
Filter	Validate
OpenId	Captcha

## Web Services

XmlRpc	Soap
Rest	Http_Client
Amazon	InfoCard
Yahoo	Flickr
Twitter	Akismet
Delicious	...

## Web Infrastructure

Session	Tag
Form	Navigation
ProgressBar	Dojo

## Internationalization

Locale	Translate
Currency	Measure

## Development

Tool	WildFire
Debug	Test

# Zend Framework

- The Most Popular PHP Framework

- ▶ >10M downloads
- ▶ >200 contributors



- Commercial Contributions



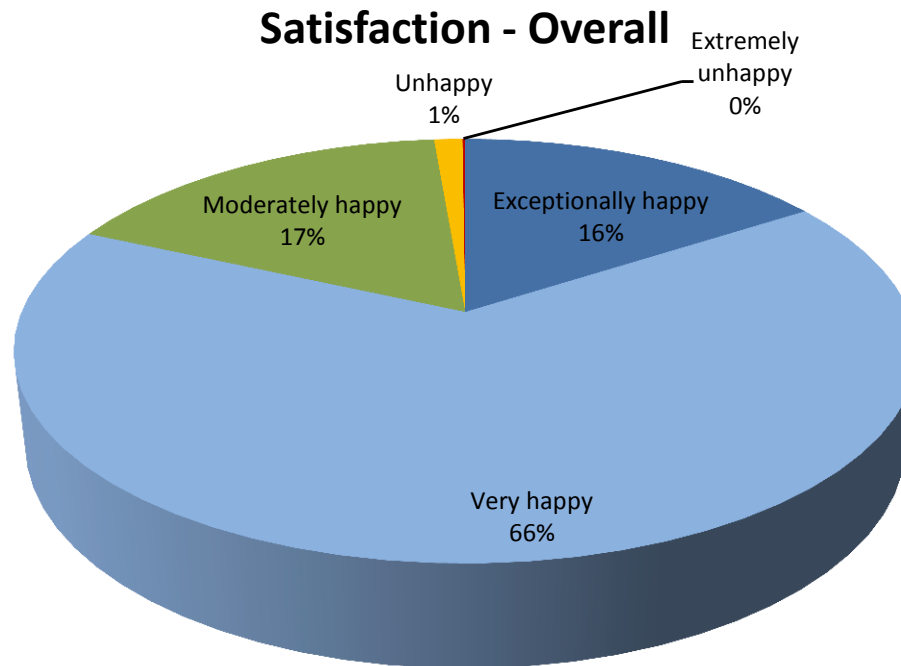
- Enterprise Customers



# Zend Framework

## Satisfaction Rates

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Source: ZF Survey, Dec 2009

# So What's Cloud Computing?

# Cloud Computing is Everywhere!



# What is Cloud Computing?

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Anything that involves delivering hosted services over the Internet.

- Broadly divided into 3 categories:
  - Infrastructure-as-a-Service (IaaS)
  - Platform-as-a-Service (PaaS)
  - Software-as-a-Service (SaaS)
- Clouds can be Internal

# Cloud Computing Today

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From <http://blogs.zdnet.com/Hinchcliffe>

# Moving from a hosting platform to IaaS

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# Cloud Computing Today

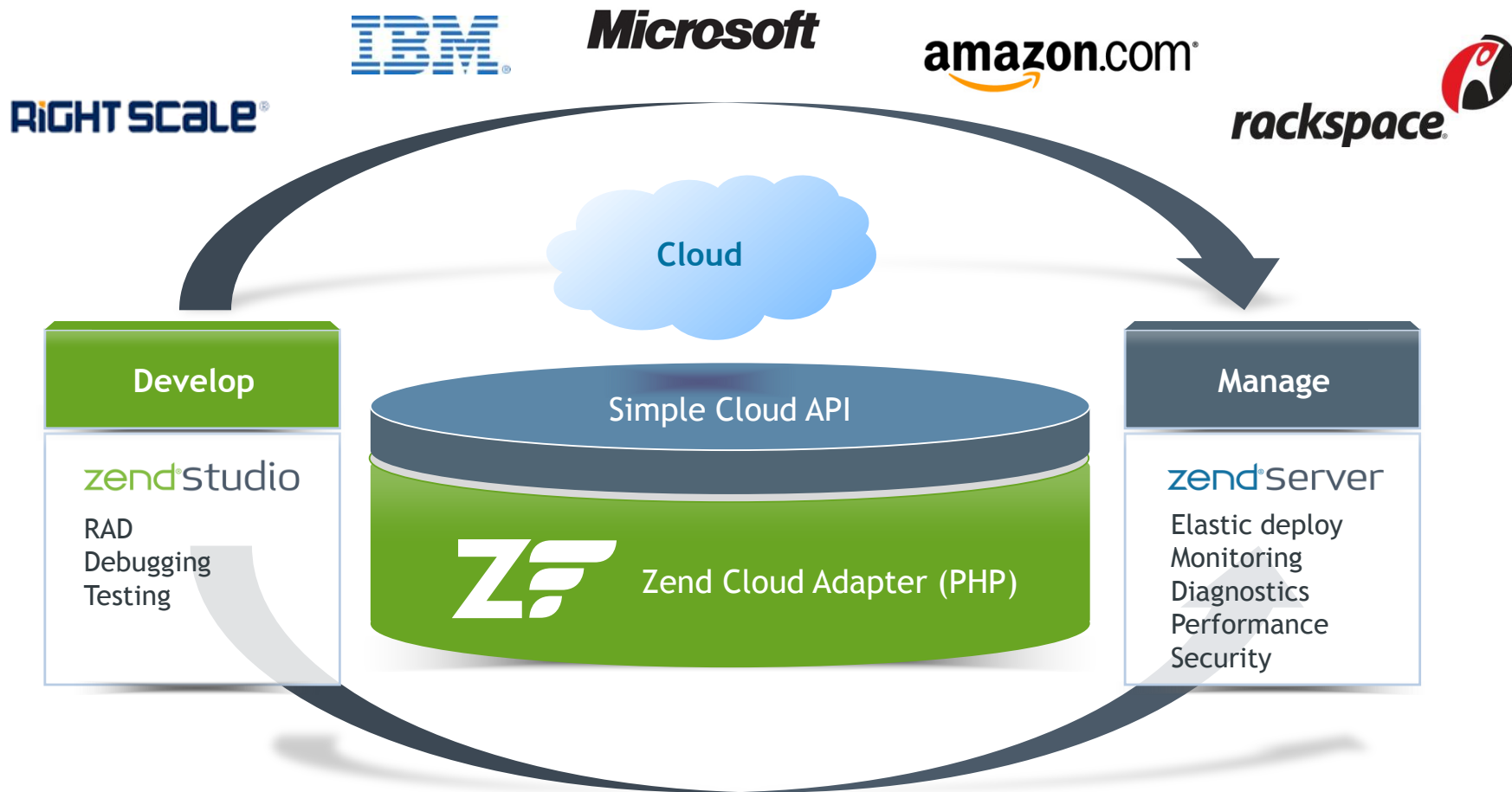


From <http://blogs.zdnet.com/Hinchcliffe>

# The Cloud, Unlocked

## Introducing Zend Framework and the Simple Cloud API

# Zend and the Cloud



# Current Partners & Contributors

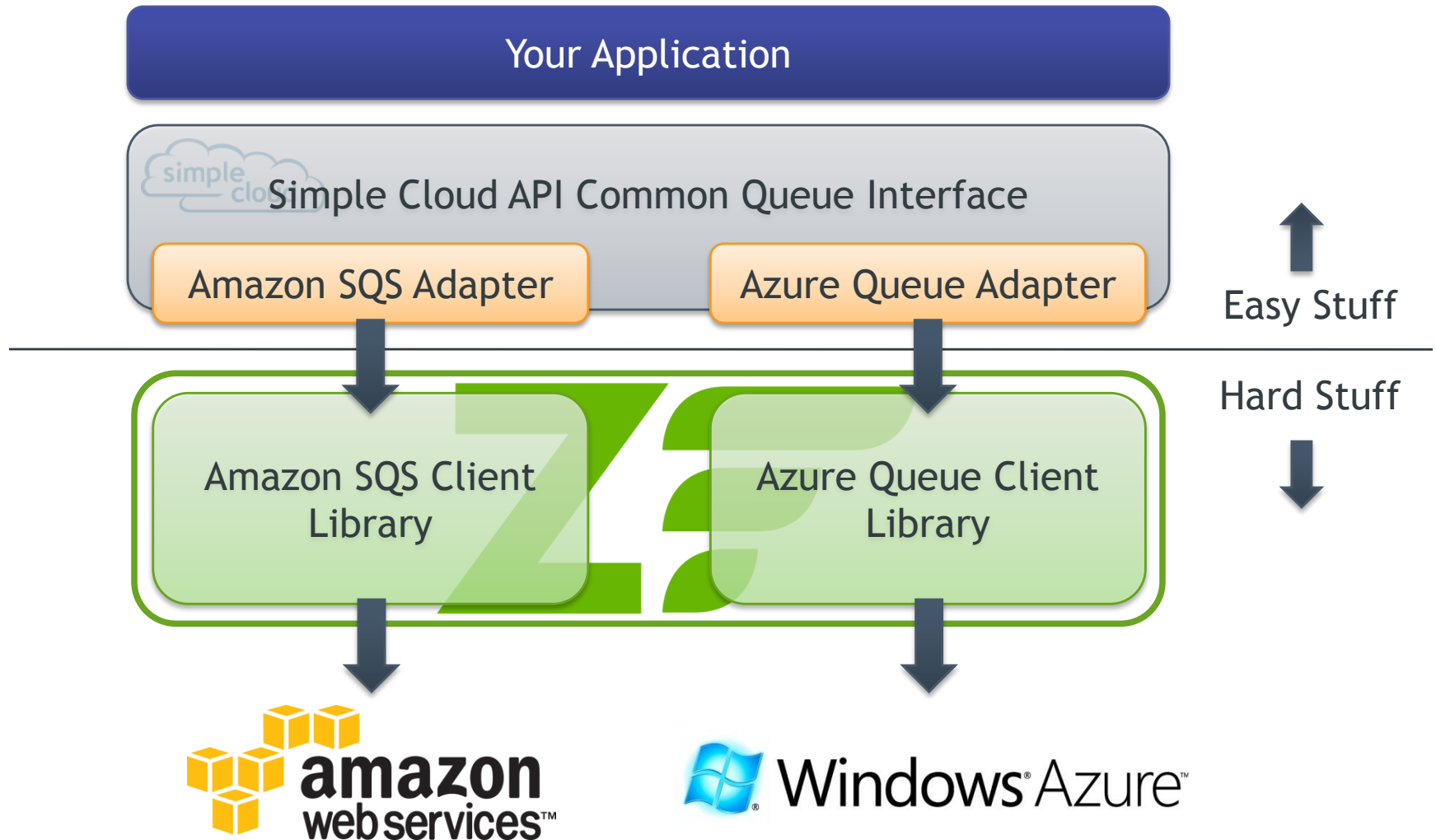
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**Microsoft**



# An example - the common Queue API



# Example: The Queue Interface (from SVN)

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```
interface Zend_Cloud_QueueService
{
    public function createQueue($name, $options = null);

    public function deleteQueue($queueId, $options = null);

    public function listQueues($options = null);

    public function fetchQueueMetadata($queueId, $options = null);

    public function storeQueueMetadata($metadata, $queueId, $options = null);

    public function sendMessage($message, $queueId, $options = null);

    public function receiveMessages($queueId, $max = 1, $options = null);

    public function deleteMessage($messageId, $queueId, $options = null);

    public function peekMessage($messageId, $queueId, $options = null);
}
```

# Current Project Status

Storage API	Queue API	Document API
<ul style="list-style-type: none"><li>✓ Amazon S3</li><li>✓ Windows Azure Blob Storage</li><li>✓ Nirvanix</li><li>✓ Local</li></ul>	<ul style="list-style-type: none"><li>🎯 Amazon SQS</li><li>🎯 Windows Azure Queue Storage</li><li>🎯 Local</li></ul>	<ul style="list-style-type: none"><li>🎯 Amazon SimpleDB</li><li>🎯 Windows Azure Table Storage</li><li>🎯 Local</li></ul>

✓ = Available

🎯 = Targetted

# Summary: Why Simple Cloud?

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- **Use Cloud Benefits, but Without Lock-In**
  - ▶ Scalability, reduced TCO
- **Better for ISVs**
  - ▶ Create apps that run in multiple cloud environments
- **Open-source**
  - ▶ A part of Zend Framework, the leading framework for PHP
- **Strong Commercial Backing**
  - ▶ Microsoft, IBM, Rackspace, Nirvanix, GoGrid

# Thank you!

<http://www.simplecloudapi.org>

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