

Feb 11th, 10:15 AM - 11:15 AM

## Clearing The Cloud Computing Fog

Kyle Banerjee  
*Orbis Cascade Alliance*, banerjek@ohsu.edu

Follow this and additional works at: <https://pdxscholar.library.pdx.edu/onlinenorthwest>

**Let us know how access to this document benefits you.**

---

Banerjee, Kyle, "Clearing The Cloud Computing Fog" (2011). *Online Northwest*. 19.  
<https://pdxscholar.library.pdx.edu/onlinenorthwest/2011/Presentations/19>

This Presentation is brought to you for free and open access. It has been accepted for inclusion in Online Northwest by an authorized administrator of PDXScholar. Please contact us if we can make this document more accessible: [pdxscholar@pdx.edu](mailto:pdxscholar@pdx.edu).

# Clearing the cloud computing fog

Feb 11,  
2011

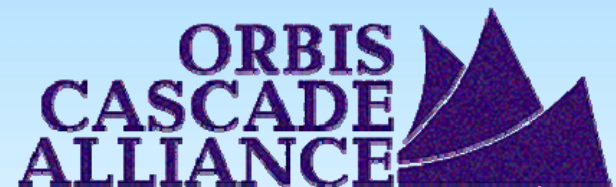
Online  
Northwest


**Kyle Banerjee**

***banerjek@uoregon.edu***

Digital Services Program

Manager



A woman with long dark hair, wearing a light blue button-down shirt, is shown from the chest up. She is looking upwards and to the right with a thoughtful expression, her hand resting on her chin. A large thought bubble is positioned above her head, containing the text "How do I wrap my mind around cloud computing?". The background is a solid light blue color.

**How do I wrap my  
mind around cloud  
computing?**

# Forget the technobabble!



# Cloud Computing is....

- Really just computing. Seriously.
- When hardware and software resources are provided on demand over the Internet as a utility
- A buzzword which will sound dated in a few years
- Not going to eliminate traditional approaches

# Reality check

- All computing is done in real places on real hardware
- Performance, security, etc accomplished using the same methods
- You still need a backup and disaster recovery plan
- Most libraries currently shift significant computing costs to other entities

## A few examples



facebook

flickr™



Windows Azure

Serials Solutions

# Advantages

- Accessible anywhere with network connection
- Pay per use
- Scalability
- Maintenance / Reliability
- Security



# The real advantages

- Avoid procurement hell
- Circumvent local IT bottlenecks
- Start things fast
- Change them fast when you learn how to do your project better
- Allocate resources where they're actually needed
- Financially stable

# Software as a Service (SaaS)

- Software delivered over the Internet on demand
- Google Docs
- SerialsSolutions
- Flickr
- Dropbox



Google Docs

SerialsSolutions

flickr



Dropbox

# Platform as a Service (PaaS)

- Different from SaaS in that you write your own code

- Google App Engine
- Microsoft Azure Services
- Facebook



facebook

Windows Azure

# Infrastructure as a Service (IaaS)

- Delivery of compute power and storage on demand
- Virtualization
- Amazon Web Services
- Rackspace



# Caveat emptor

- If your cloud provider finds your system use abusive, they could shut you down
- Legal, organizational, and accountability challenges
- You pay for everything, including attacks
- If you run into trouble, you're on your own

# Some parting thoughts

- Cloud computing is technology's answer to the outsourcing debate
- The main thing the cloud buys you is flexibility

# QUESTIONS?

Feb 11, 2011

Online  
Northwest

**Kyle Banerjee**

***banerjek@uoregon.edu***

Digital Services Program Manager

