

# YOUR BUSINESS IN THE CLOUD



Explore the core tenants of *Cloud Computing* and how you can take advantage of this approach to computing to give you a leg up in agility and scalability.

# SAY HELLO TO YOUR PRESENTORS

Meet your amazing team!



**Adam Lazarus**

*Major:* Management Information Systems

*From:* Norwalk, Connecticut

Alazarus@spartans.ut.edu



**Robert Felton**

*Major:* Accounting &

Management Information Systems

*From:* Leesburg, Florida

RFelton@spartans.ut.edu



**Nizar Alahmadi**

*Major:* Management Information Systems

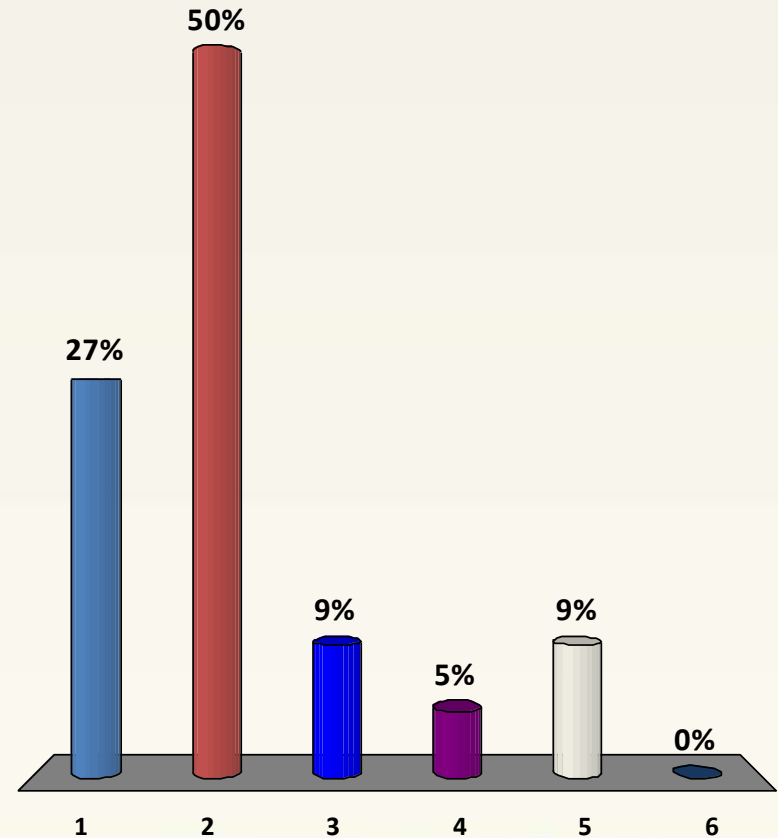
*From:* Saudi Arabia

nalahmadi@spartans.ut.edu

# IS YOUR BUSINESS IN THE CLOUD?

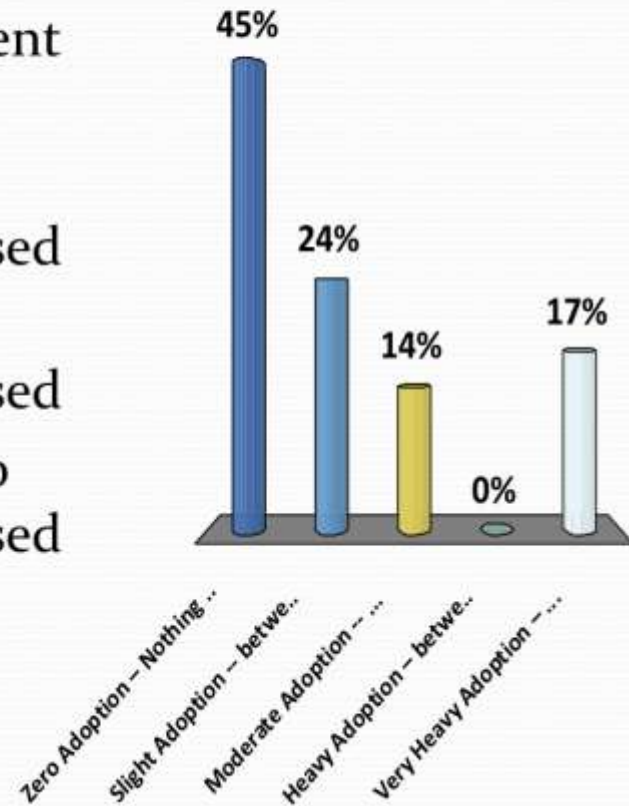
Does your company utilize any  
“Cloud Infrastructure” into your business?

- 1. ZERO ADOPTION**  
Nothing is cloud-based
- 2. SLIGHT ADOPTION**  
1-10% of computing is cloud based
- 3. MODERATE ADOPTION** 11-25% of computing is cloud based
- 4. HEAVY ADOPTION**  
26-50% of computing is cloud based
- 5. VERY HEAVY ADOPTION**  
51-100% of computing is cloud based
- 6. IT'S IN THE WORKS**



# To What Degree has your Organization Adopted Cloud Computing?

- 1) Zero Adoption – Nothing is Cloud-based
- 2) Slight Adoption -- between 1 – 10 percent of our computing is Cloud-based
- 3) Moderate Adoption -- between 11 – 25 percent of our computing is Cloud-based
- 4) Heavy Adoption – between 26 – 50 percent of our computing is Cloud-based
- 5) Very Heavy Adoption – between 51-100 percent of our computing is Cloud-based



*Responses from  
February 2010*

# LET'S DEFINE CLOUD COMPUTING

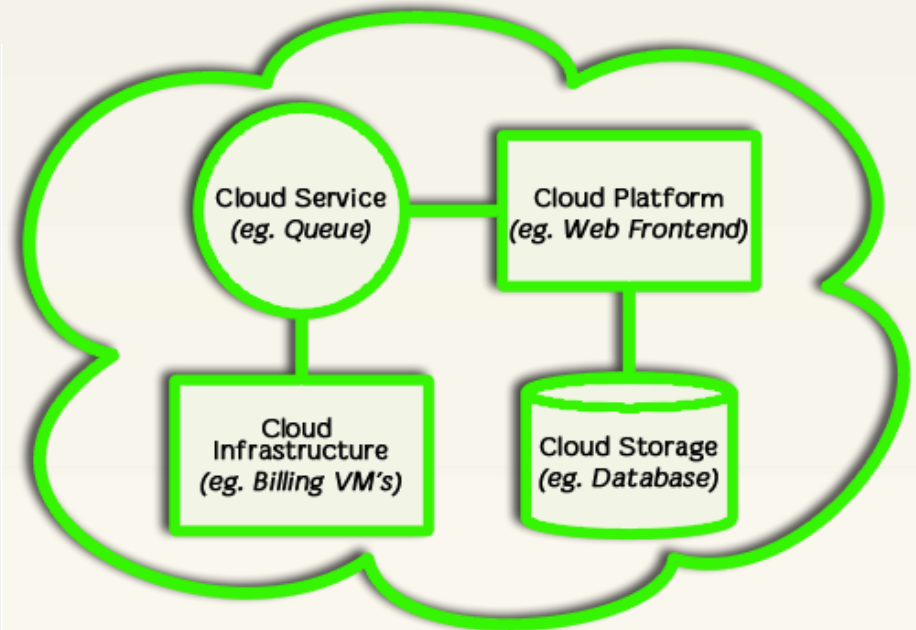
Infrastructure as a Service, Platform as a Service, Software as a Service

Cloud Computing is *location-independent* computing, whereby *shared servers* provide resources, software, and data to computers and other devices *on demand*.

It is a natural evolution of the widespread adoption of *virtualization and service-oriented architecture*.

Details are *abstracted from consumers*, who no longer have need for expertise in, or control over, the technology infrastructure "in the cloud" that supports them.

-Wikipedia, Feb '11



# ADVANTAGES OF BEING IN THE CLOUD

## Storage, Scalability, Maintainability, Sharing

The main advantages are derived from the use of a pay-per-use model for enabling on-demand access to reliable and configurable resources that can be quickly provisioned and released - with minimal consumer involvement in terms of management. You pay only for the resources you use. You need not set up the infrastructure or buy the software. -Arun Kumar



### AGILITY IMPROVEMENT

Agility improves with users' ability to rapidly and inexpensively re-provision technological infrastructure resources.



### COST REDUCTION

Cost is claimed to be greatly reduced and capital expenditure is converted to operational expenditure.



### EFFICIENCY INCREASED

Utilization and efficiency improvements for systems that are often only 10–20% utilized.[24]



### SECURITY HARDENED

Security could improve due to centralization of data, increased security-focused resources, etc.

# CONTINUAL INNOVATION

Industry leaders are taking initiative to innovate

“Though it will  
continue to evolve,  
the cloud is here to  
stay”

-Joseph Foran, IBM



# WHY IT'S TIME FOR YOU TO BE IN **THE CLOUD**

**Cost effective, User-Based Growth, Unrestricted**

Cloud computing is becoming a fundamental part of information technology. Nearly every enterprise is evaluating or deploying cloud solutions.

*-Bill Pennington*



## **WORLD-WIDE ADOPTION**

Agility improves with users' ability to rapidly and inexpensively re-provision technological infrastructure resources.



## **GOVERNMENT TRUST**

Cost is claimed to be greatly reduced and capital expenditure is converted to operational expenditure.



## **VENDOR SELECTION**

Utilization and efficiency improvements for systems that are often only 10–20% utilized.



## **PARNERING ENCOURAGED**

Security could improve due to centralization of data, increased security-focused resources, etc.

# MAJOR ORGANIZATIONS HAVE ALREADY **MADE THE MOVE**

## Examples of the Industry shift

### The New York Government

*IBM will centralize the IT functions of over 50 Governmental agencies in New York and this is just the first step in the centralization of government agencies through the cloud.*



### The Schumacher Group

*This company is located out of Louisiana and when hurricane Katrina hit they were completely ill-prepared for the consequences of having their data in one physical location.*



# IS IT RIGHT FOR YOU?

## Flexible? Priced right? Negotiable SLAs?

Choosing the right platform for the right price is very important. Every business is different and should make sure to analyze all aspects of their company and all available options.



### **FLEXIBLE PLATFORM**

Cloud computing can provide a service and a platform for your application. Sometimes it's difficult to switch among services.



### **THE PRICE IS RIGHT**

Most cloud computing services are based on a 'Pay for what you use' type model.



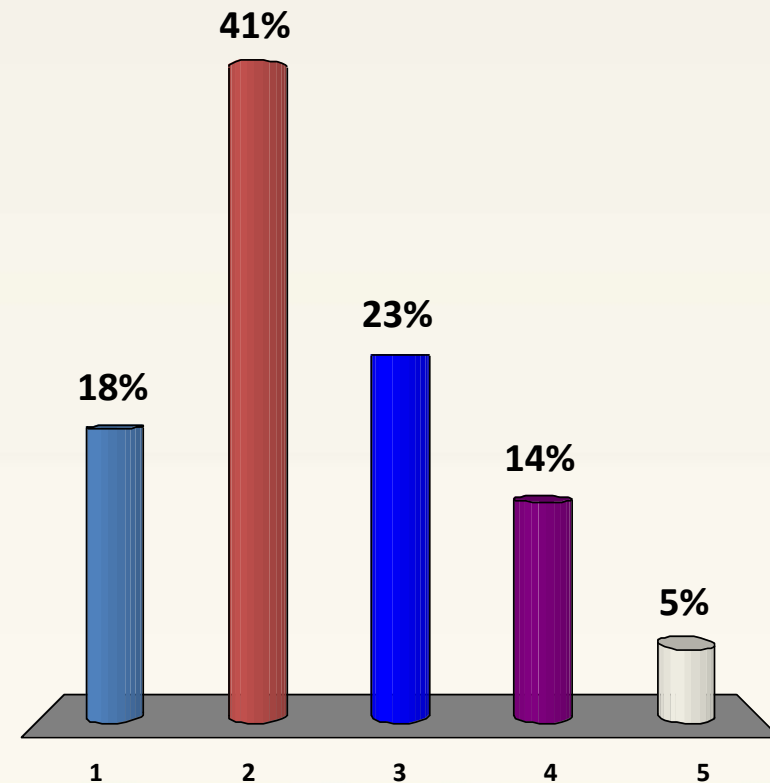
### **DUE DILIGENCE**

Most important factor. Your company must know what it requires from a cloud service to choose the best solution.

# WHAT WOULD BE THE BIGGEST BENEFIT FOR YOU?

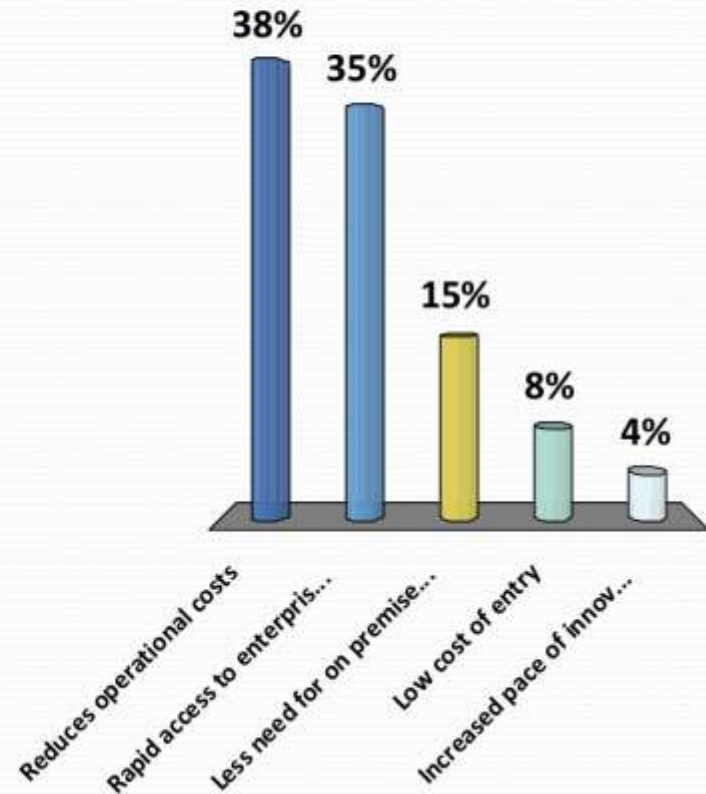
What aspect of cloud computing benefits your business the most?

1. Reduce operational Costs
2. Less on-premise infrastructure
3. Increase pace of innovation
4. Low cost of entry
5. There are no benefits



# What is Cloud's Greatest Benefit for a Business?

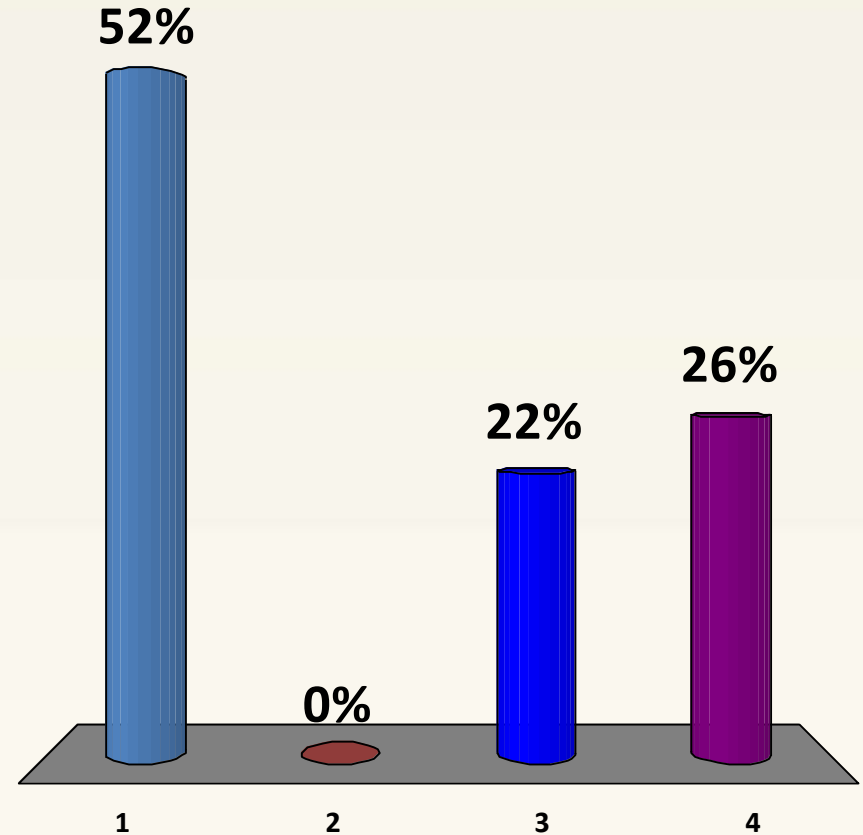
- 1) Reduces operational costs
- 2) Rapid access to enterprise class services
- 3) Less need for on premise infrastructure
- 4) Low cost of entry
- 5) Increased pace of innovation



*Responses from  
February 2010*

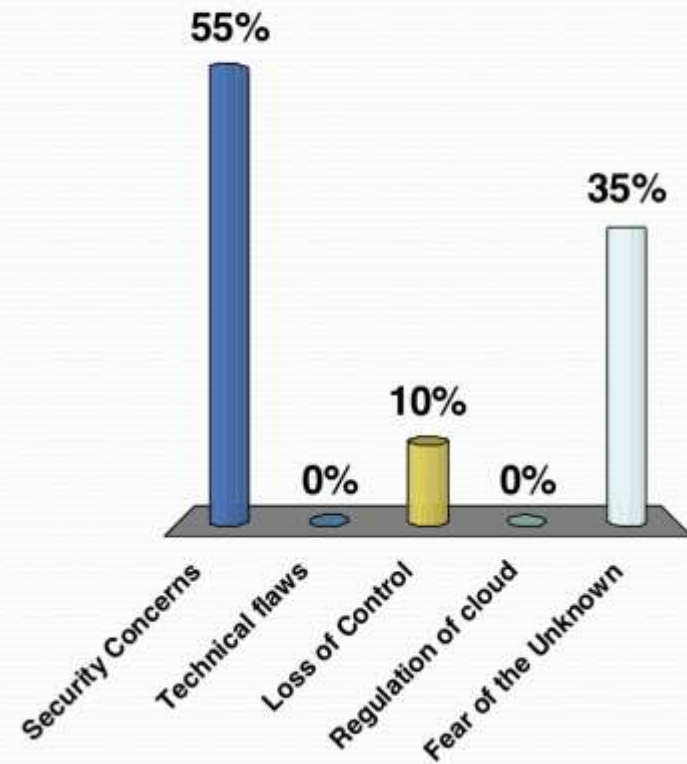
# WHAT'S STOPPING YOU FROM MOVING TO THE CLOUD?

1. Security Concerns
2. User Acceptance
3. Loss of Operational control
4. Fear of the unknown



# What is Cloud's largest impediment to Adoption?

1. Security Concerns
2. Technical flaws
3. Loss of Control
4. Regulation of cloud
5. Fear of the Unknown



*Responses from  
February 2010*

**THANK YOU**