What is Cloud Computing ?

- Cloud Computing provides a simple way to access servers, storage, databases and a broad set of application services over the Internet.

Services in the cloud

- EC2
- IAM
- S3
- VPC
- Route 53 & DNS
- DynamoDB
- SQS,SNS,SWS
- Elastic Beanstalk

Why do individuals and companies use AWS?

- Cost Savings
- Scalable and Adaptable
- Security and Reliability
- The Bottom Line

What are the benefits?

- Easy to use
- Flexible
- Cost-Effective
- Reliable
- Scalable and high-performance
- Secure

How is the "Cloud" different from what has been used in the past?

Cloud terminology

- High availability
- Fault tolerant
- Scalability and elasticity

High availability

- Web Server High Availability

- Database Servers High Availability

- Multi-Regional Deployment

Fault tolerant

- Amazon Simple Queue Service(SQS)

- Amazon Simple Storage Service(S3)

- Amazon SimpleDB

- Amazon Relational Database Service(RDS)

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Ability of a system to increase the workload on its current hardware resources (*scale up*)

Scalability and Elasticity

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Ability of a system to increase the workload on its current and additional (dynamically added on demand) hardware resources (*scale out*)

Scalability and Elasticity

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Thank you!