Amazon Web Services

T-110.5130 Mobile System Programming

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Need for Cloud Computing

Factors :

- ✓ IT Infrastructure Management
- ✓ On Demand
- ✓ Low cost

Solution :

- ✓ Virtualization - > IaaS

Deployment Models :

- ✓ Public Models – Amazon EC2, Rackspace
- ✓ Private Models – Eucalyptus, OpenStack, OpenNebula

Amazon Web service

A set of API's and business models which give access to Amazon technology and content.
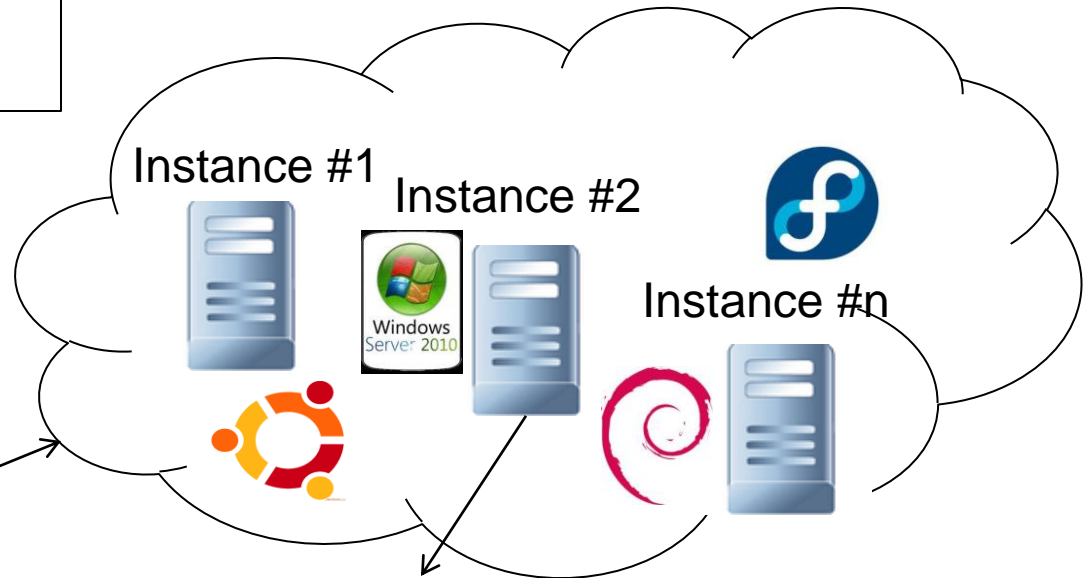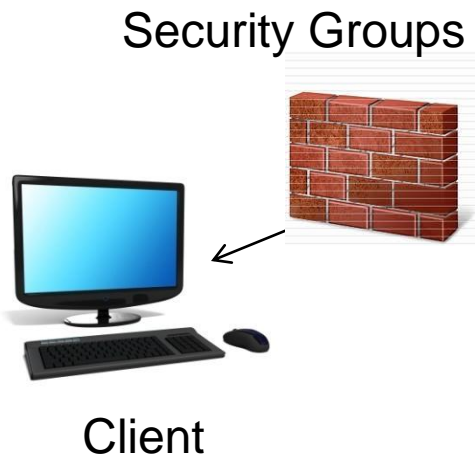
Amazon's Core Expertise

- ✓ Scales to the Enterprise
- ✓ Priced for People
- ✓ Reliable
- ✓ Simple to Use
- ✓ Highly Available

Using Industry Standards

- ✓ HTTP, XML, REST, SOAP, WSDL

EC2 Overview

Amazon Machine Image (AMI)
Bootable root disk
Pre-defined or user-built

Instance #1

Instance #2

Instance #n

Windows Server 2010

Security Groups

Client

Running copy of an AMI
Launch in less than 2 minutes
Start/stop programmatically

EC2 Pricing

Factors :

Instance - On Demand, Reserved, Spot Instances

Operating System – Linux, Windows

Region – EU Ireland, Singapore, US (Virginia, CA)

Additional Services – Elastic IP, Cloud Watch, Auto Scaling

Sample Price List (Standard On Demand, EU(Ireland))

	Small	Large
Linux / UNIX Usage -	$0.095 per hour	$0.38 per hour
Windows Usage -	$0.12 per hour	$0.48 per hour

EC2 - Features

✓Multiple Locations

✓Elastic IP Addresses

✓Amazon Virtual Private Cloud

✓Amazon CloudWatch

✓Auto Scaling

✓Elastic Load Balancing

✓VM import

Thank you

Questions

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