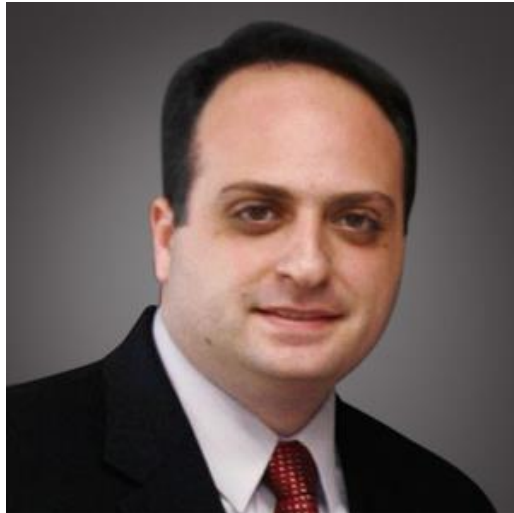


AWS Compute Options



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Elastic Compute Cloud (EC2)



- Pay-per-use, scalable platform for VMs
- Supports Windows / Linux instances
- Amazon Machine Image (AMI) refers to a virtual disk template (ex. OVA, OVF)
- You can import / export your own AMIs

AWS Terminology

AWS	Industry
EC2 Instances	Virtual Machines / Servers
Amazon Machine Image (AMI)	Template (OVA, OVF)
Elastic Block Storage (EBS)	Volume / Hard Disk / Virtual Disk
Ephemeral Storage	Temporary Storage
S3	Simple Storage Service (S3)
EC2 Compute Unit (ECU)	Measure of EC2 Processor
vCPU	Virtual CPU
Identity and Access Management (IAM)	Delegated Administration
Elastic Load Balancer (ELB)	Load Balancer
Route53	DNS

EC2 Compute Unit (ECU)



- A relative measure of processing power
- Abstracts CPU hardware changes
- One ECU is equivalent to **1.0 - 1.2 GHZ 2007 Intel Opteron or 2007 Xeon**
- Consistent amount of CPU capacity regardless of hardware
- Each instance type may be based on different physical processors
- Manage consistency through benchmarks and tests
- <http://aws.amazon.com/ec2/instance-types/>

EC2 Instance Types

Micro instances

General purpose

Compute
optimized

GPU instances

Memory optimized

Storage optimized

Summary



Elastic Compute Cloud (EC2)

AWS Terminology

EC2 Compute Unit (ECU)

EC2 Instance Types