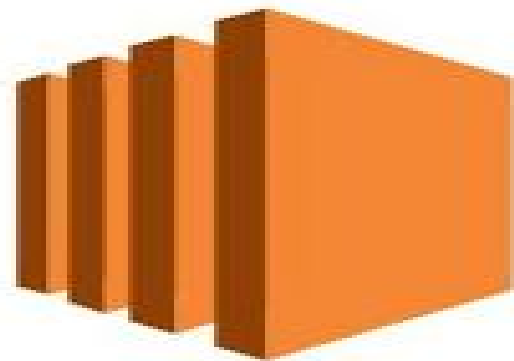


EC2

Virtual Server on AWS Cloud

Elastic Compute Cloud/EC2

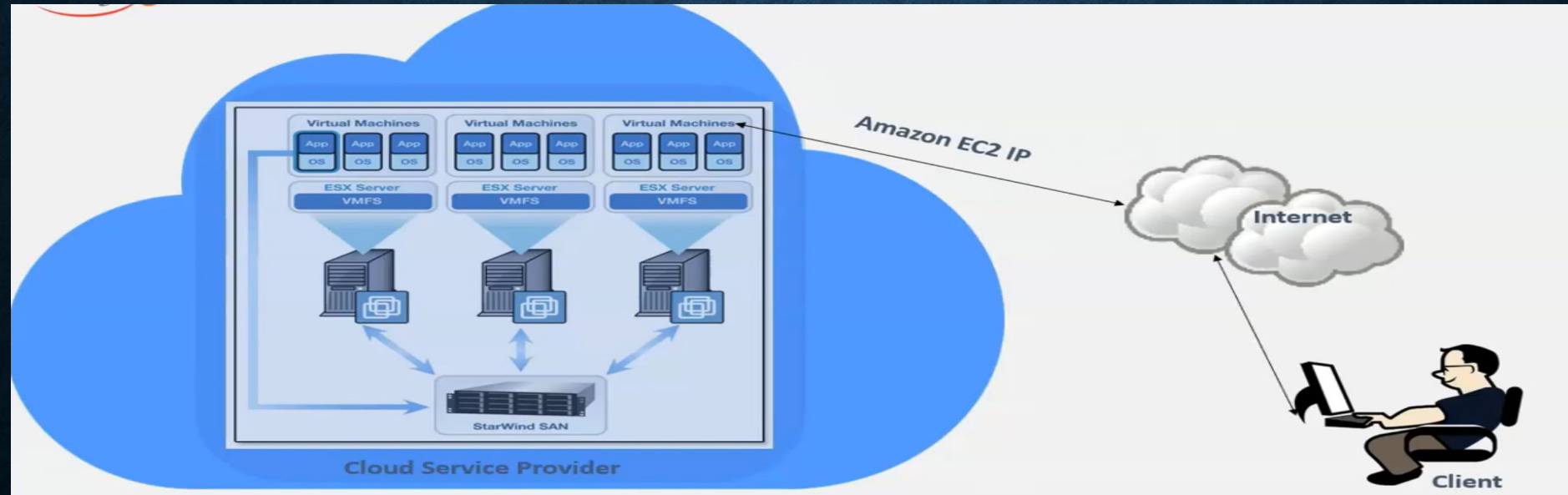
AWS EC2 (Elastic Compute Cloud) is one of the service of AWS ecosystem .EC2 enable on demand, scalable computing capacity in the AWS cloud.



Amazon EC2

What is Amazon EC2 Instance ?

- ✓ It stands for **Elastic Compute Cloud**.
- ✓ An **EC2 instance** is nothing but a virtual server in Amazon Web service terminology.
- ✓ It is a web service where an AWS subscriber can request and provision a compute server in AWS cloud.
- ✓ AWS ensure that create Virtual Machines in there respective region. These Virtual machine made accessible to the customer over internet.



EC2 Dashboard

Inbox (1) - awss.devopss@gmail.com x | 5. EC2 Basics- Virtual Servers in AWS x | ec2 instance dashboard - Google x | Instances | EC2 Management Console x | +

console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:search=i-062b3238740066868

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Instances (1/1) Info

Filter instances

search: i-062b3238740066868 Clear filters

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability
Linux	i-062b3238740066868	Running	t2.micro	2/2 checks passed	No alarms	us-east-

Instance: i-062b3238740066868 (Linux)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-062b3238740066868 (Linux)	54.167.55.224 open address	172.31.86.9
Instance state	Public IPv4 DNS	Private IPv4 DNS
Running	ec2-54-167-55-224.compute-1.amazonaws.com open address	ip-172-31-86-9.ec2.internal

Feedback English (US)

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EC2 allows you to do the following:

- ✓ Easily set up a virtual machine and perform all computation on it.
- ✓ Rent Virtual machines
- ✓ Store data on virtual drives (EBS)
- ✓ It will set up virtual machine within a minute
- ✓ Scaling :: It increase or decrease virtual machine as per need using Auto-scaling.
- ✓ We can setup machine with any configuration i.e Hardware(CPU, RAM) & Software(OS) as per need.
- ✓ Easily Start, Stop and Terminate servers.
- ✓ Pay only for what you use.
- ✓ It allows you to pay a fixed rate by the hour or even by the second with no commitment.

Benefits of EC2

- ✓ Easy to Use
- ✓ No Limits of Capacity
- ✓ Easy to start
- ✓ Reliable
- ✓ Less Cost

DEMO

Lets Create EC2 instance