

Amazon Web Services ✓

Microsoft Azure

Google App Engine ✓

Cloud Platforms

Amazon Web Services :- It is a comprehensive evolving cloud computing platform provided by Amazon.com.

Among the cloud options offered by Amazon AWS are Amazon Elastic Compute Cloud (Amazon EC2), Amazon Simple Storage Service (Amazon S3), Amazon Virtual Private Cloud (Amazon VPC), Amazon SimpleDB & Amazon WorkSpaces.

Why AWS? :-

1. Flexible
2. Cost-effective
3. Secure
4. Scalable & Elastic
5. Experienced

Amazon EC2 :- It is a web service that provides resizable compute capacity in the cloud. It is designed to make web-scale cloud computing easier for developers.

It allows you to obtain & configure capacity with

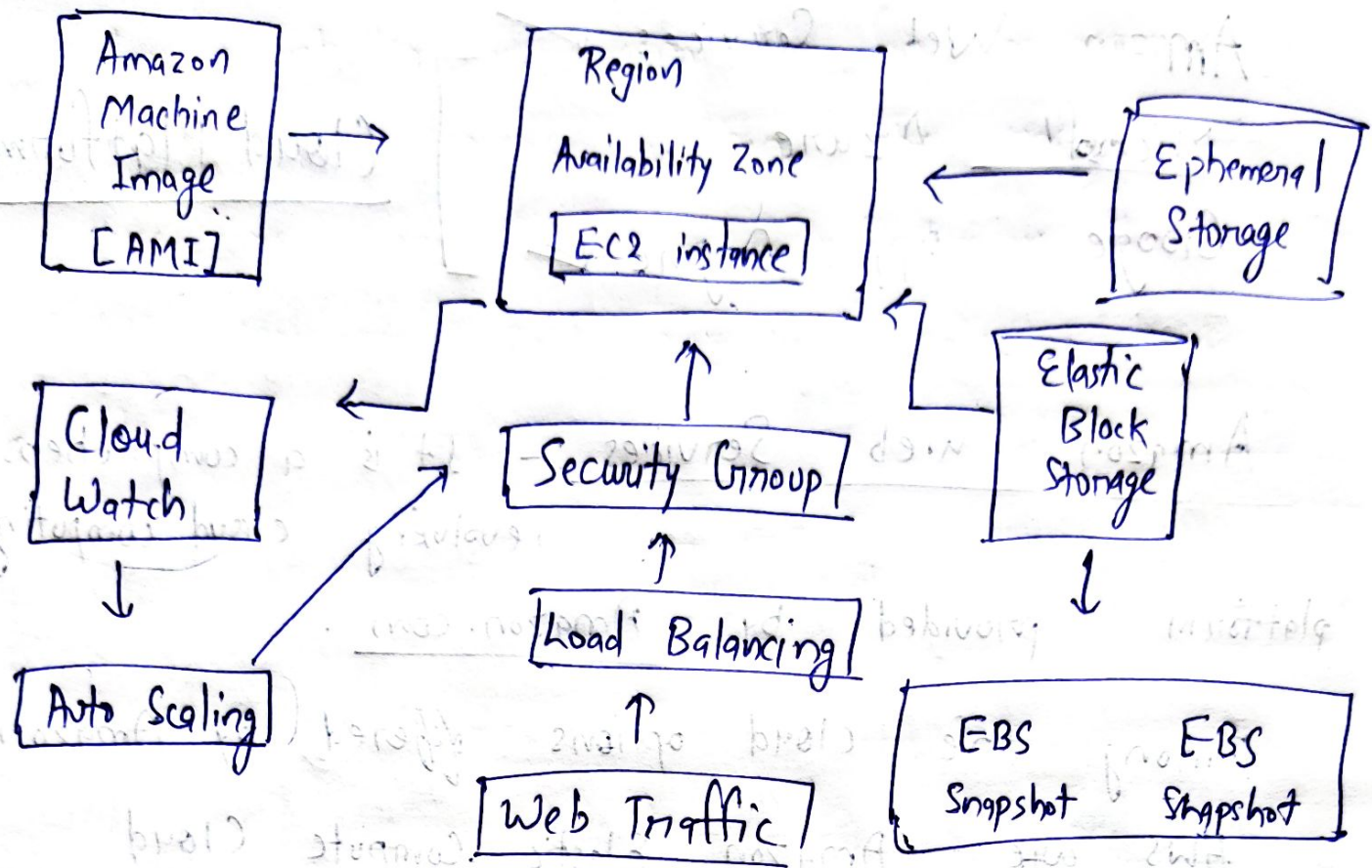


fig:- Amazon EC2 Architecture

To use the EC2, a subscriber creates an Amazon Machine Image (AMI) containing the operating system, application programs & configuration settings. Then the AMI is uploaded to Amazon Simple Storage Service (Amazon S3) & registered with Amazon EC2, creating a so-called AMI identifier (AMI ID).

Benefits of EC2:-

- Reduces time required to obtain & boot new server instances to minutes.
- Quickly scales capacity, both up & down, as your computing requirements change.

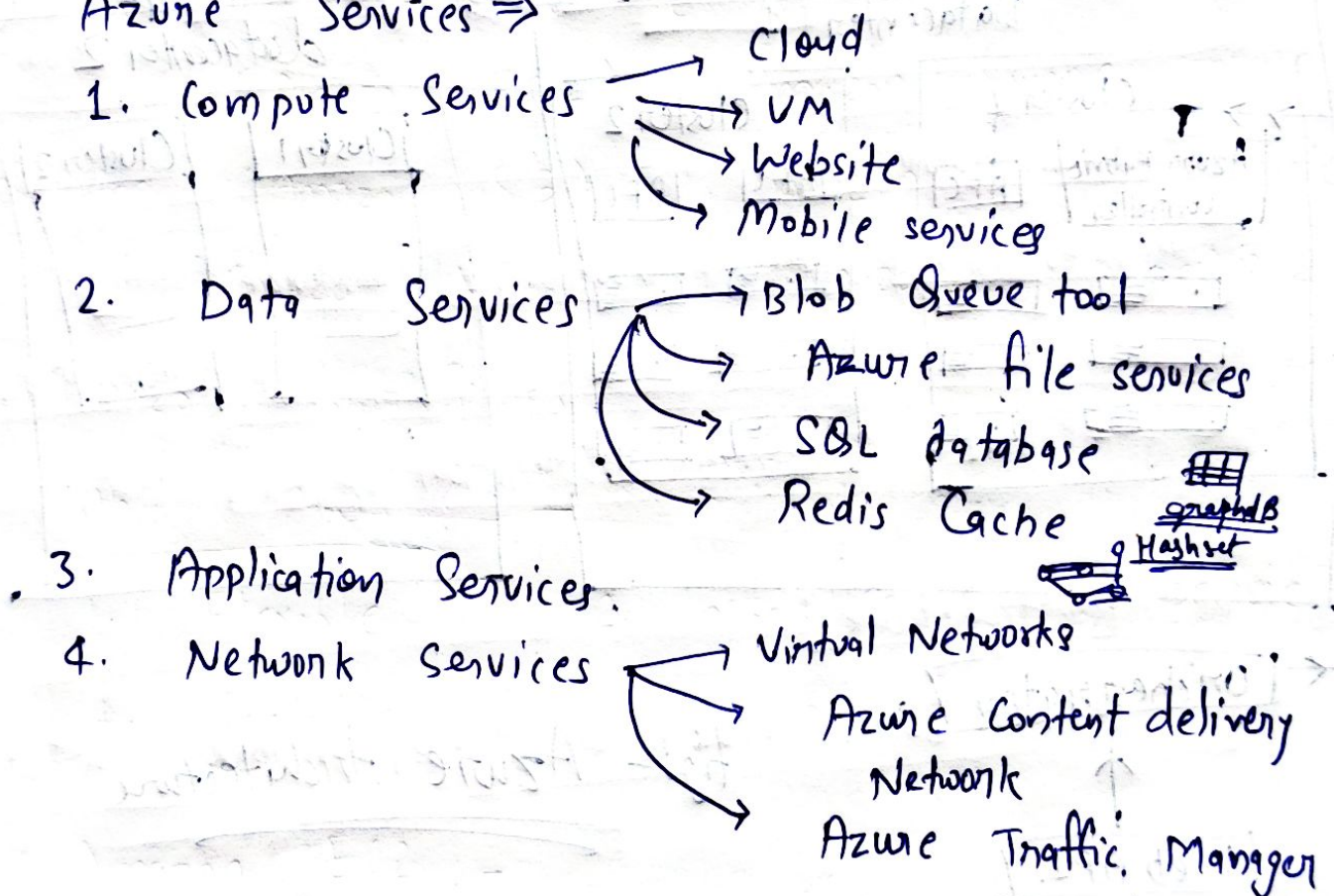
Microsoft Azure :-

Open AI Certificate
AI2 - Cont

The Azure cloud platform is more than 200 products and cloud services designed to help you bring new solutions to life - to solve today's challenges & create future.

Build, run, manage applications across multiple clouds, on-premises and at the edge, with the tools & frameworks of your choice.

Azure Services \Rightarrow



It is completely based on Virtualization. So similar to other virtualized data center, it also contains racks. Each rack has a separate power unit & network switch & also integrated with sw called Fabric Controller.

Fabric-controller is responsible for managing & monitoring servers within the rack. and these are connected to Orchestration that includes web-services, Rest API to create, update & delete resources.

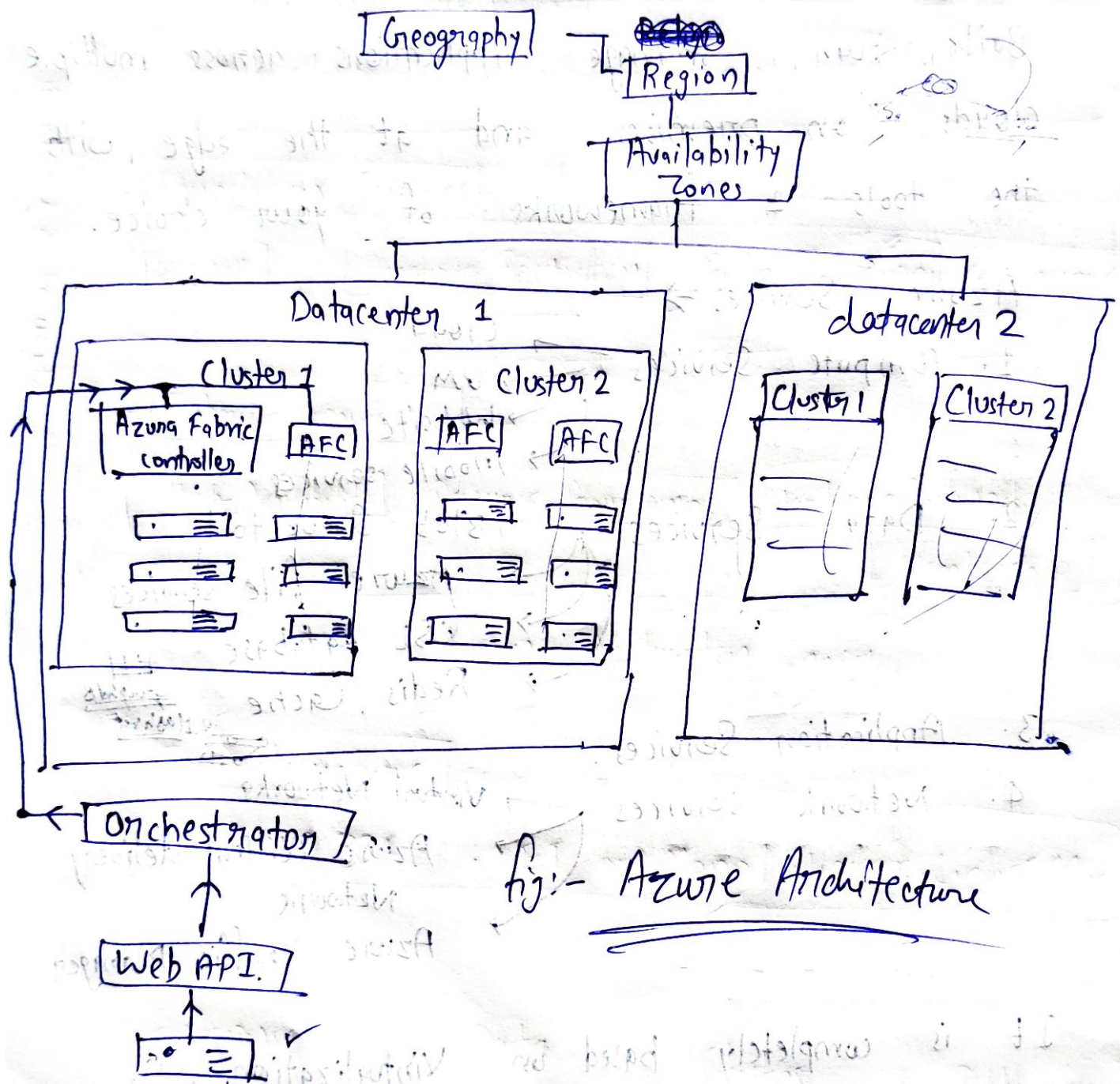


fig:- Azure Architecture

Aneka :- Aneka is a market oriented cloud development & management platform with rapid application development & workload distribution capacities.

Aneka is an integrated middleware package which allows you to seamlessly build & manage an interconnected network in addition to accelerate development, deployment & management of distributed applications using Microsoft .NET frameworks on these networks.

developers ✓ payment ✓ OAuth ✓ OAuth2 ✓

- Aneka is pure PaaS solution for CC.
- It is a cloud middleware product.

③ major categories:

- Textile services
- Foundation services
- Application services

② major components:

- The SDK ✓
- One of the key features of aneka is its support for provisioning resources on different public cloud providers such as Amazon EC2, Window Azure etc.

Application Development & Management

Management: Tools, interfaces & APIs

Software development KIT: APIs & Tools

↑
Resistance & Security
↓

Middleware - Container

Application Services

Distributed Threads

MapReduce

Bag of Tasks

PSM

Foundation Services

Storage

Resource Reservation

Billing & Reporting

Licensing & Accounting

Fabric Services

High-Availability

Resource-Provisioning

Hardware Profiling

Membership

PAL - Platform Abstraction Layer

Infrastructure

ECMA 334: .NET on Mono / Windows, Linux & Mac

Enterprise
Desktop
Grid

Data
Centers

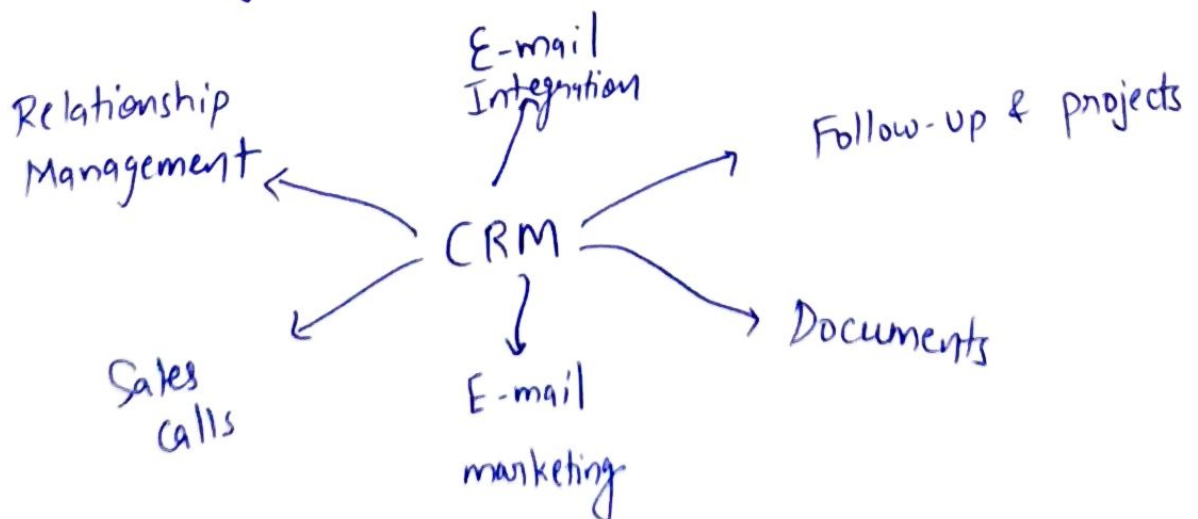
Clusters

Public cloud

fig:- Aneka Architecture

CRM :- Customer Relationship Management software
Salesforce is a category of enterprise s/w that covers a broad set of applications & s/w designed to help businesses manage customer data & customer interaction, access business information, automate sales, marketing & customer support & also manage employee, vendor & partner relationships.

CRM is a term that refers to practices, strategies & technologies that companies use to manage & analyze customer interactions & data throughout the customer lifecycle, with goal of improving business relationships with customers, assisting in customer ~~retention~~ retention & driving sales growth.



Features

