

DEVOPS - 1

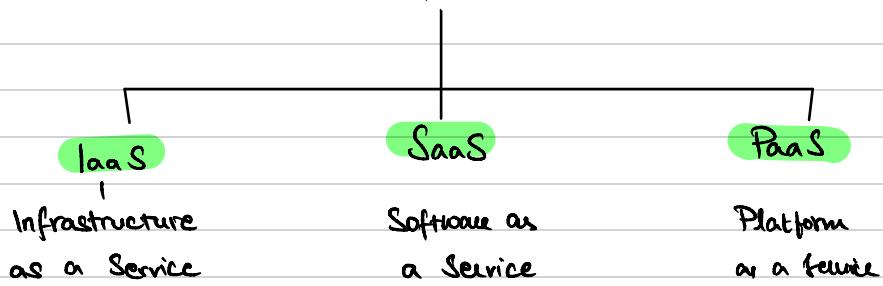




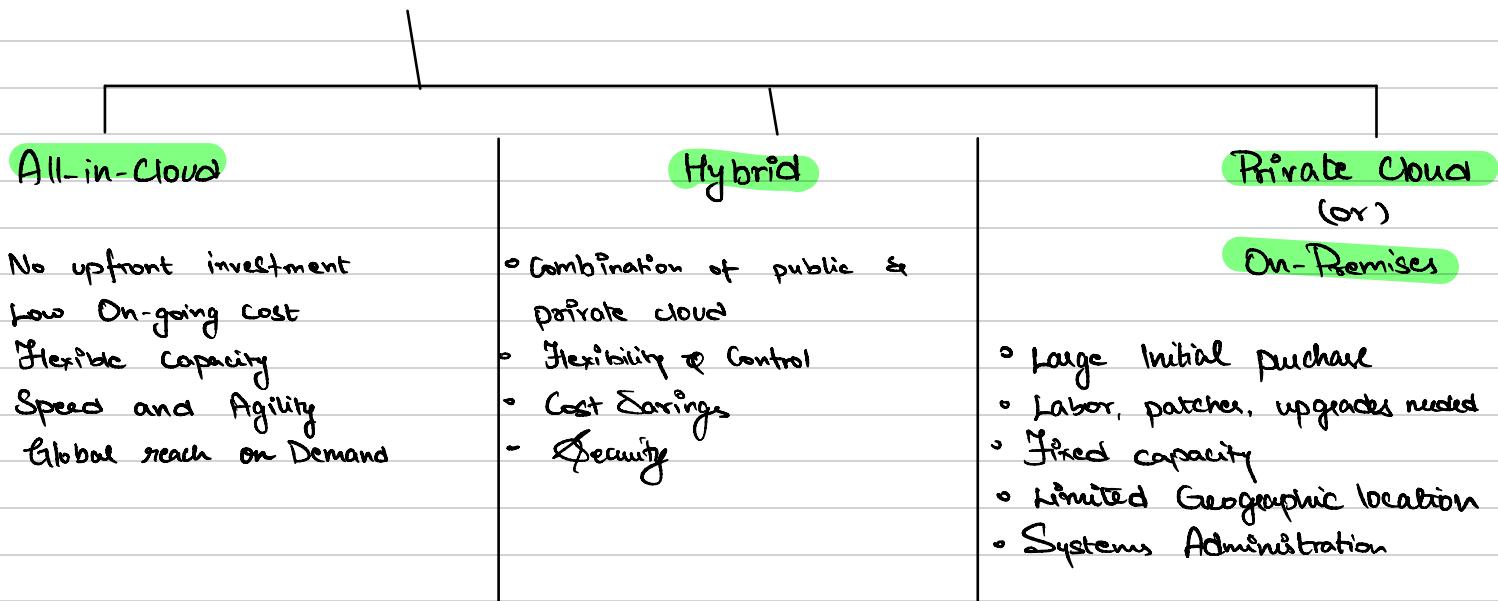
CLOUD COMPUTING

- * It is the **On-Demand** delivery of compute power, DB storage , Applications and other IT resources through a **cloud platform**
- * It is basically - Services provided via the internet with "**pay-as-you-go**" pricing.

MODELS OF CLOUD COMPUTING



DEPLOYMENT MODELS IN CLOUD



6 BENEFITS OF CLOUD COMPUTING

#1 → Trade **Capital Expense** (CapEx) for **Variable Expense**

#2 → Benefit from massive economies of **Scale**

#3 → **Capacity planning**

#4 → **Speed & Agility**

#5 → **Spend strategically**

#6 → **Ease of Deployment**

AMAZON WEB SERVICES (AWS)

- * A Web-Service is any piece of software that makes itself available over the Internet in a **standardized format** (XML/JSON) for request and response from **API interaction**.
- * AWS is a secure **cloud platform** with more than 165 different Service that include **solutions** for various Global Infrastructure.

AWS by Category

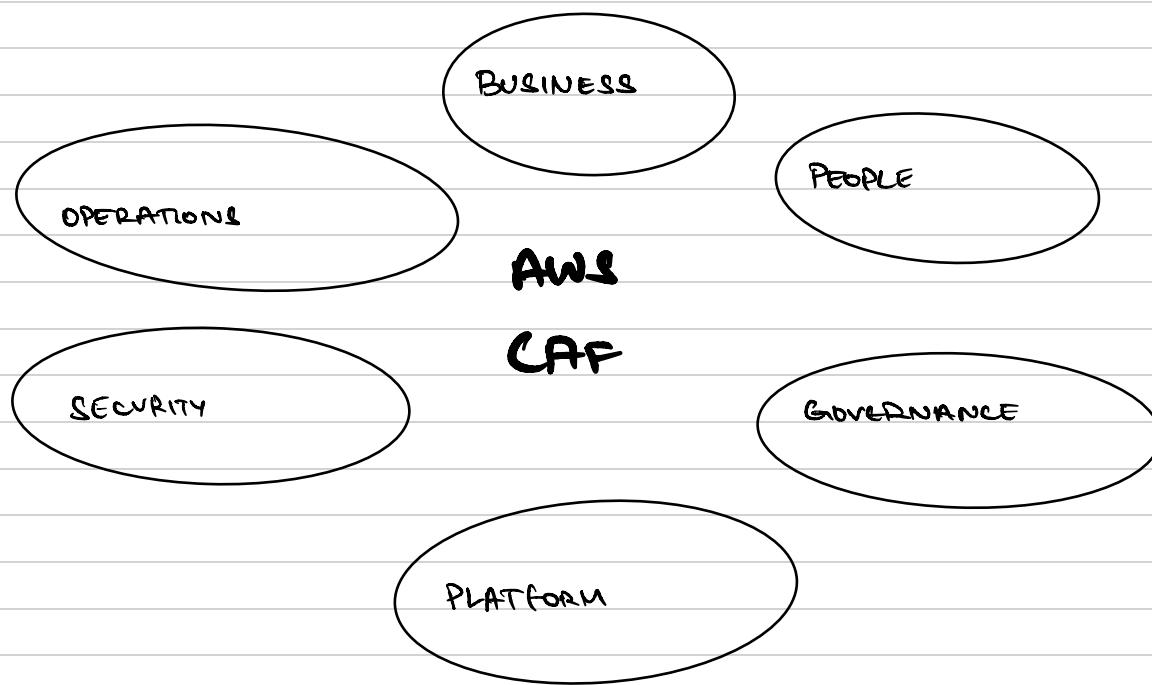
CORE SERVICES

FOUNDATIONAL
SERVICES

DEVELOPED
AND OPERATIONS
SERVICES

THE BASICS

AWS CLOUD ADOPTION FRAMEWORK (AWS CAF)



AWS - EC2

- * Elastic Compute Cloud — provides **executable compute capacity** over cloud.
- * EC2 allows creation of **VM** on demand.
- * **AMI** — Building blocks of EC2 — It is a pre-configured template, used to get Machine to run.
- * Auto-Scaling, Minimize **Cost**
- * VM Import/Export available
- * **Pay-as-you-go**.

SERVICE ORIENTED ARCHITECTURE (SOA)

↓
Independent Component
that has a certain
function

↓
Not a technology, but
an approach toward
Software Design.

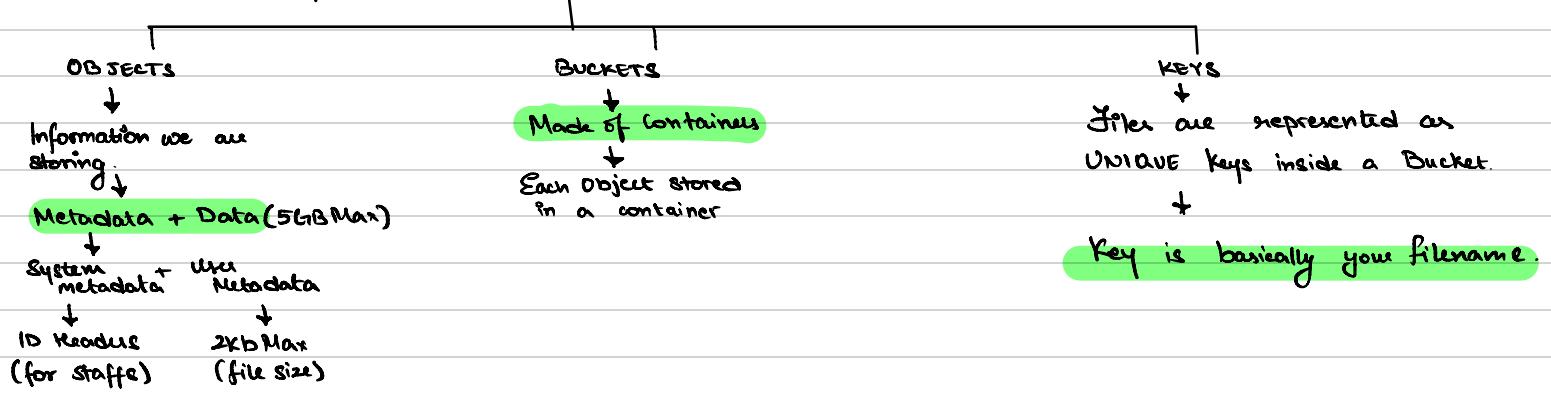
↓
Uses Web-Services to
talk to other services.

AMAZON - S3

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SIMPLE STORAGE SERVICE

- * S3 is a SOA which provides online storage using web-services.
- * Uses REST and SOAP protocols for managing

Components of S3



OPERATIONS ON S3

