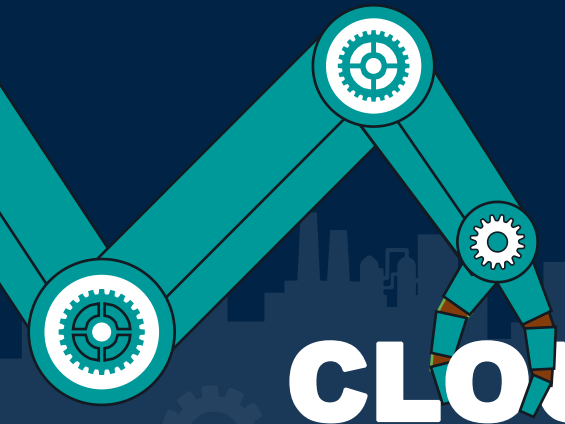
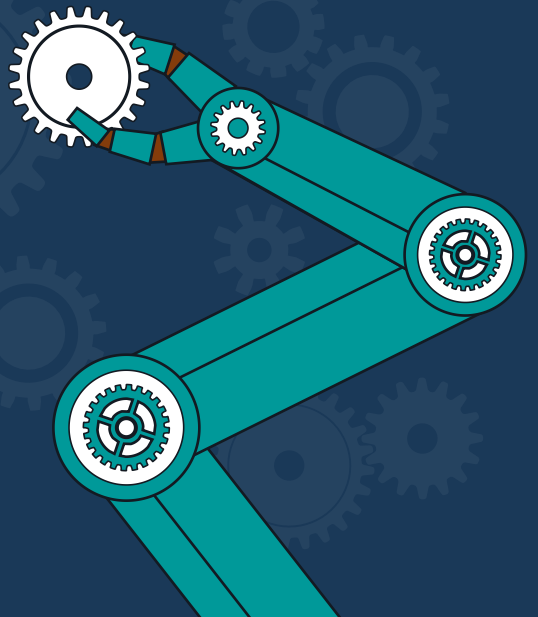


CLOUD COMPUTING WITH AWS



AGENDA

01 Introducing Of Cloud Computing

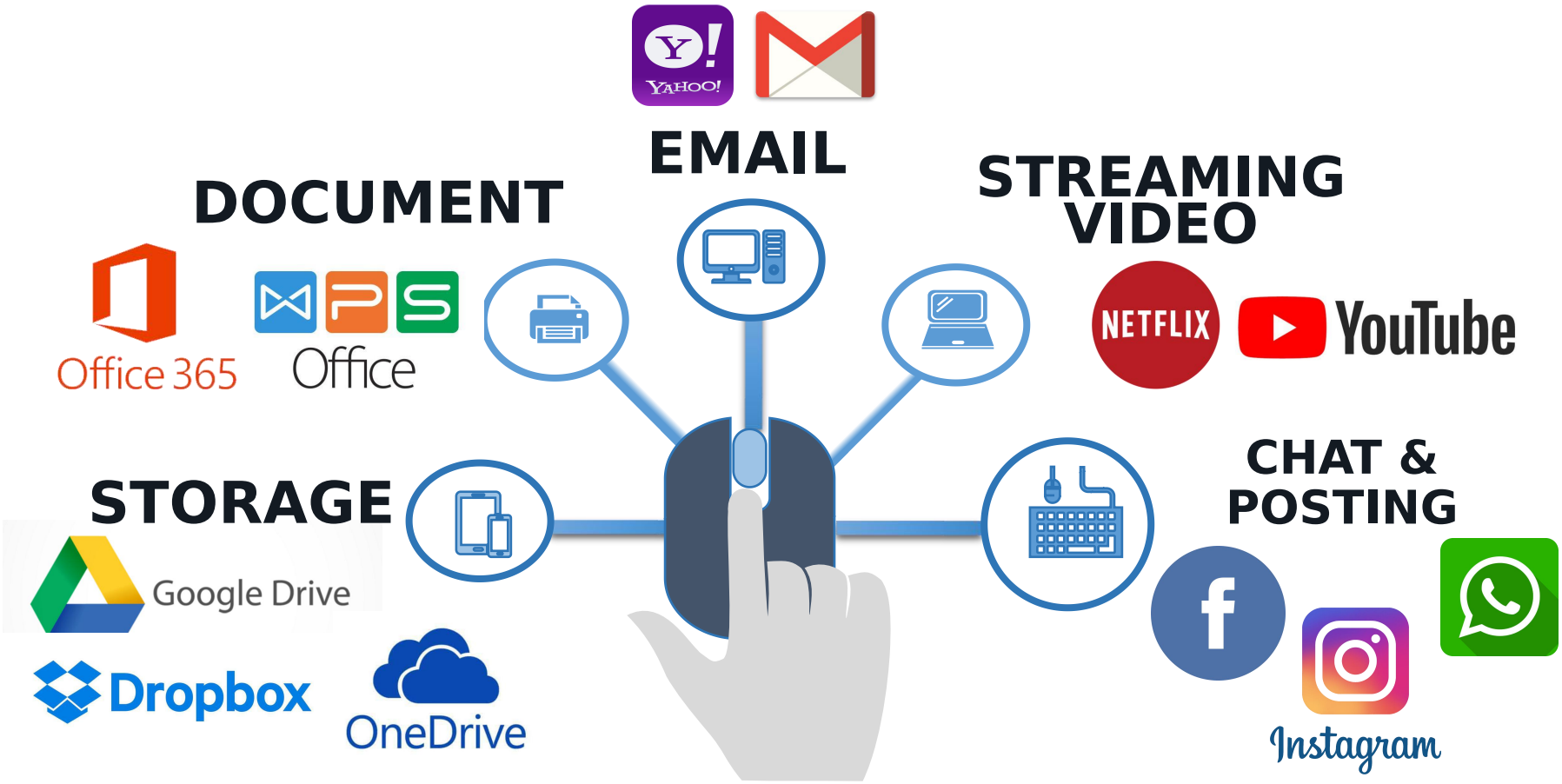
02 Computer Service

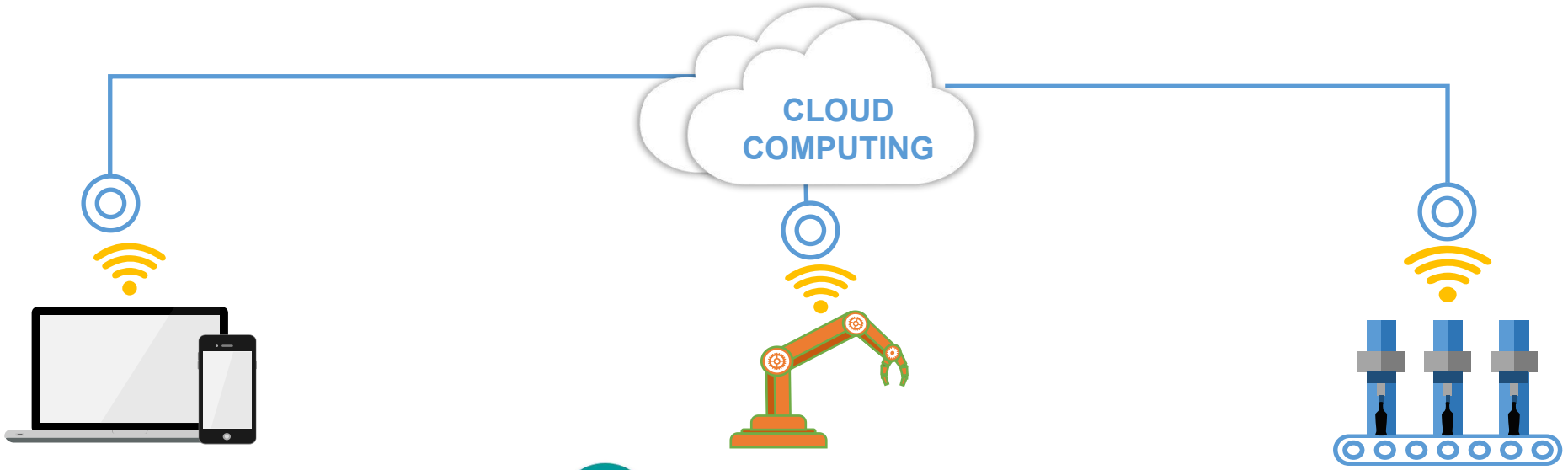
03 Virtual Private Cloud (VPC)

04 Database Service

CLOUD COMPUTING WITH AWS

INTRODUCING OF CLOUD COMPUTING


EMAIL
DOCUMENT
Office 365
Office
STREAMING VIDEO
NETFLIX
YouTube
STORAGE
Google Drive
Dropbox
OneDrive
CHAT & POSTING
Instagram



WHAT IS CLOUD COMPUTING ?

(Mell, 2009)

01 Pay-as-you-go pricing

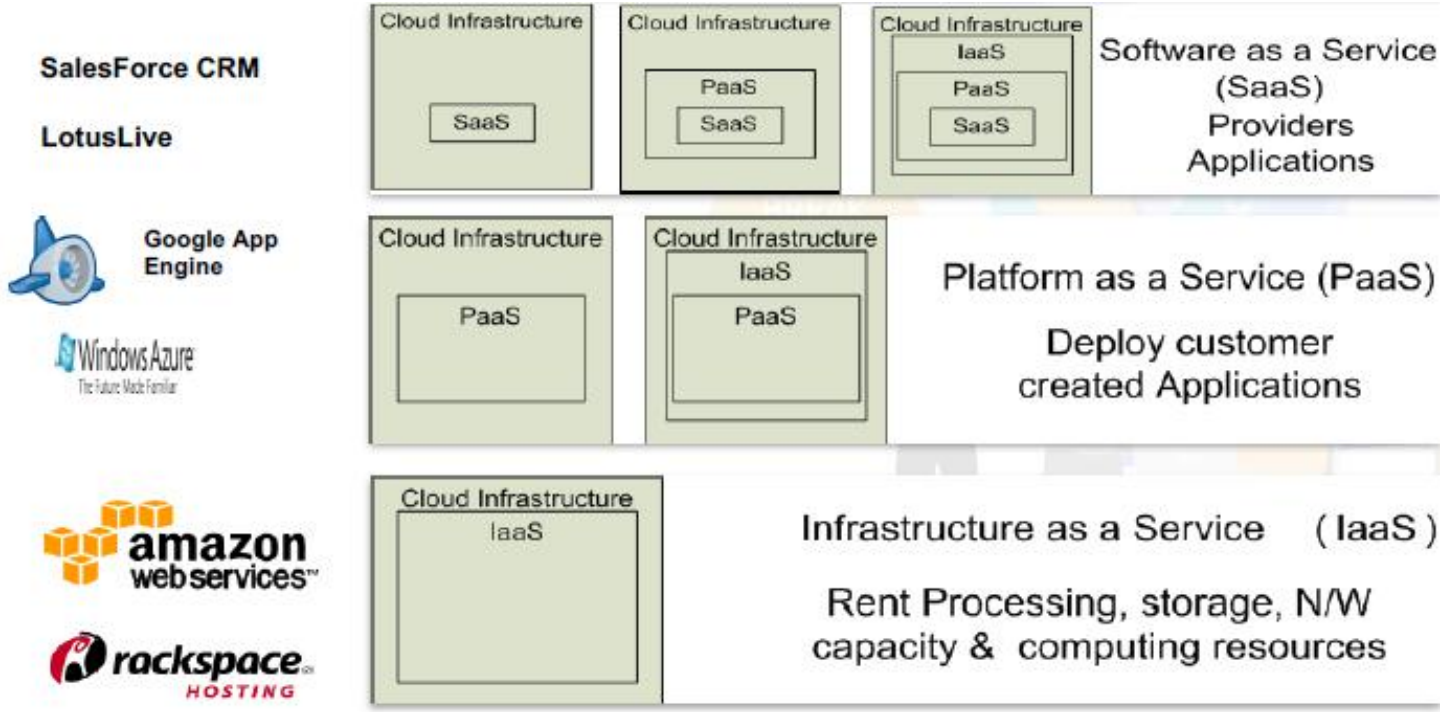
02 On-demand delivery through internet

03 Provisioned by the service provider

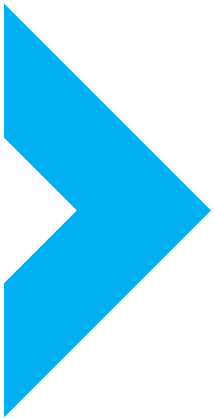
04 Shared pool of configurable computing resources

amazon

CLOUD ARCHITECTURE (MELL, 2009)



DEPLOYMENT MODEL



PRIVATE CLOUD

Digunakan oleh sebuah organisasi yang menaungi banyak konsumen (unit bisnis)

COMMUNITY CLOUD

Digunakan oleh suatu komunitas dari berbagai konsumen dalam satu organisasi

PUBLIC CLOUD

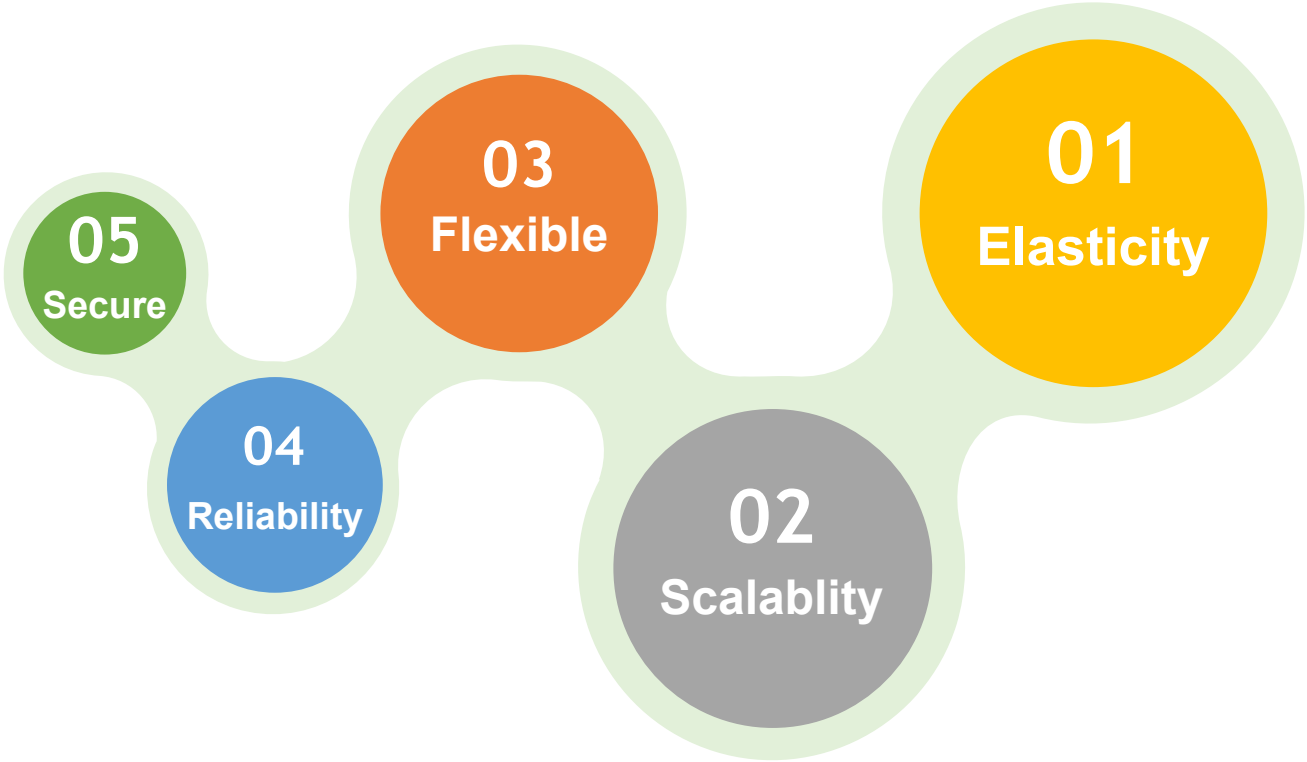
Digunakan untuk public atau masyarakat luas

HYBRID CLOUD

Gabungan dari dua atau lebih model deployment

AWS (Amazon Web Service) termasuk dalam Cloud Computing, yang memiliki kelebihan pengiriman resource IT bedasarkan permintaan dan aplikasi melalui internet hanya akan dibayar sesuai penggunaan

AWS INFRASTRUCTUTRE



amazon

AWS GLOBAL INFRASTUCTURE

amazon

Explore Our Products


Analytics


Application Integration


AR & VR


AWS Cost Management


Blockchain


iness Applications


Compute


Customer Engagement


Database


Developer Tools


d User Computing


Game Tech


Internet of Things


Machine Learning


Management & Governance


Media Services


Migration & Transfer


Mobile


Networking & Content Delivery

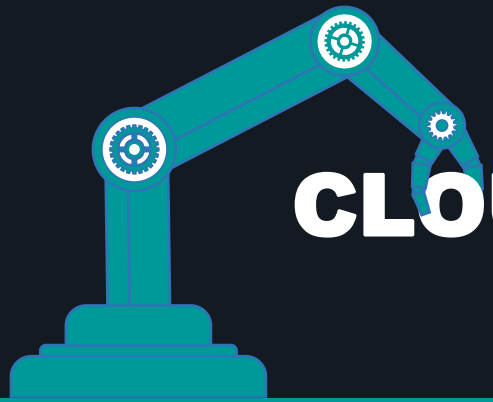

Robotics


Satellite


Security, Identity & Compliance


Storage

amazon



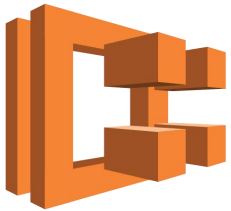
CLOUD COMPUTING WITH AWS

COMPUTE SERVICE

Compute Service

“Menyediakan platform dan infrastruktur untuk komputasi”

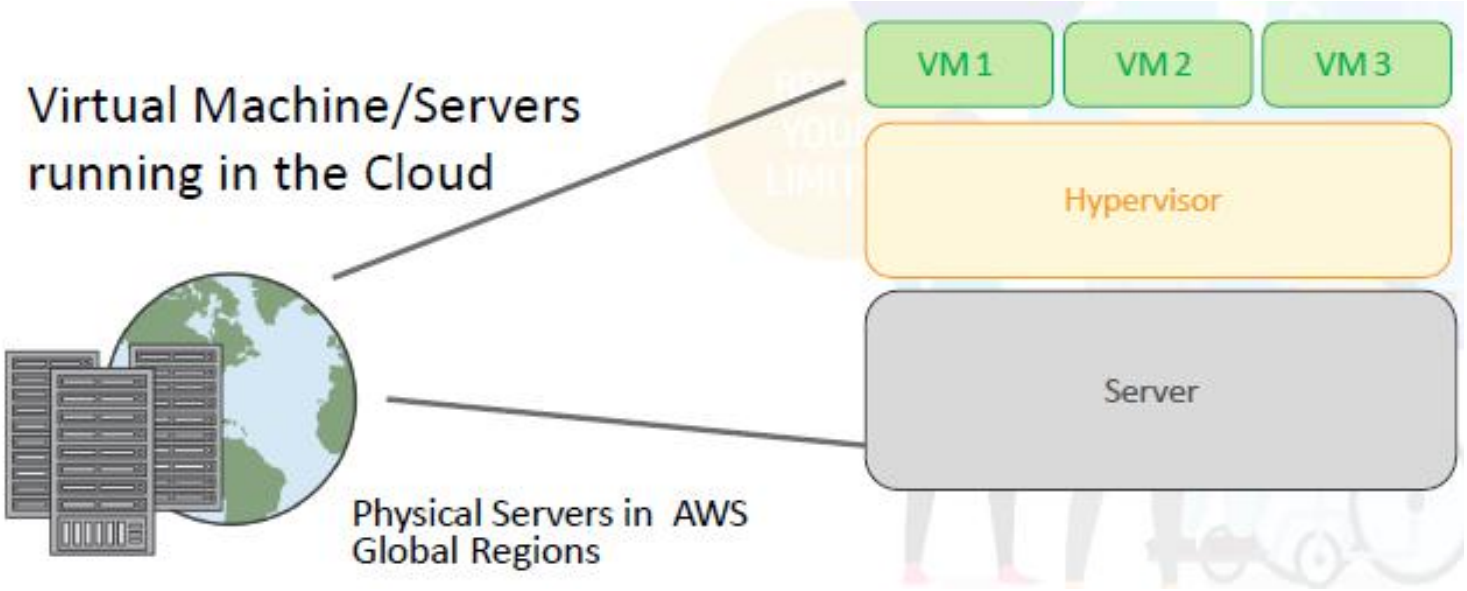
AWS ECR



AWS ECS

Amazon EC2

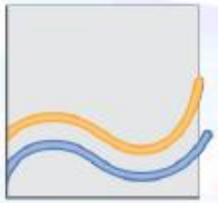
Amazon EC2 Overview



Keuntungan Server pada Cloud

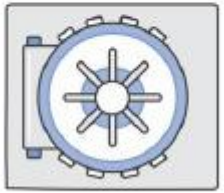
Fast Deployments Access computing infrastructure in minutes

Low Cost
Pay-as-you-go pricing



Elastic
Easily add or remove capacity

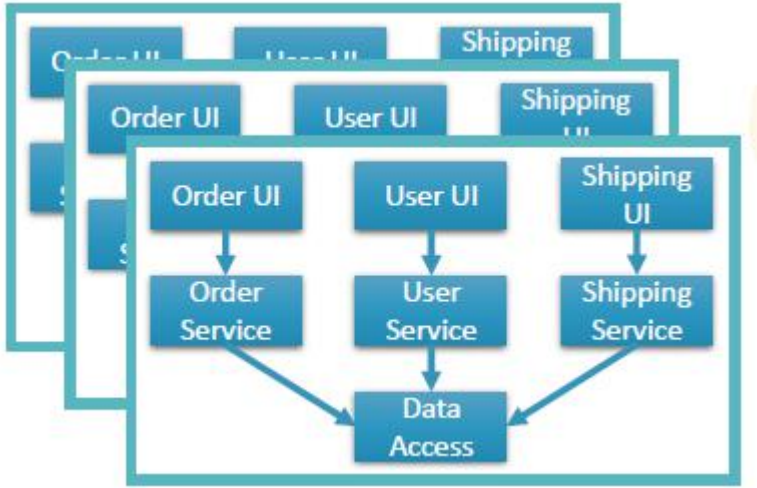
Globally Accessible Easily support customers around the world



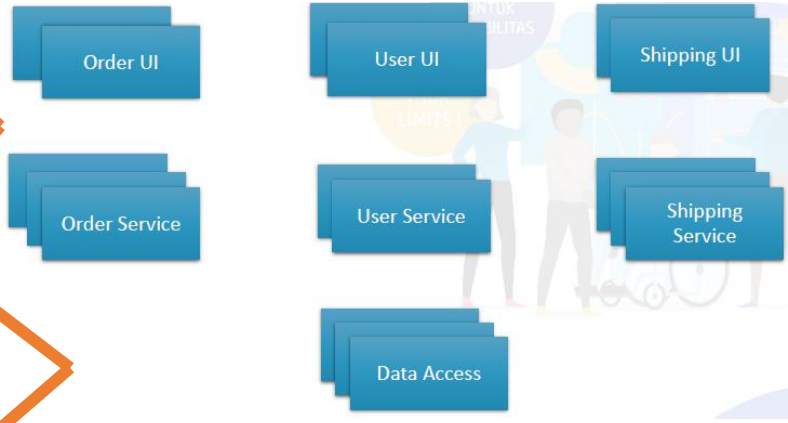
Secure
A collection of tools to protect data and privacy

Scalable
Access to effectively limitless capacity

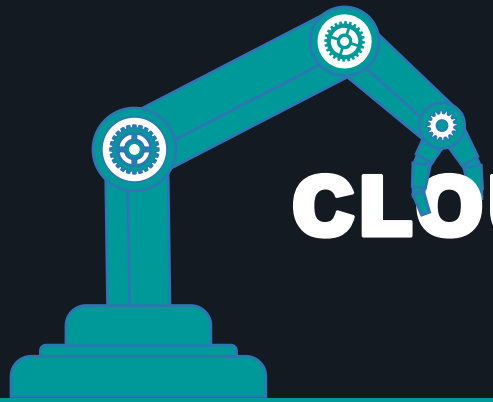
Monolithic Architecture



Microservices Architecture

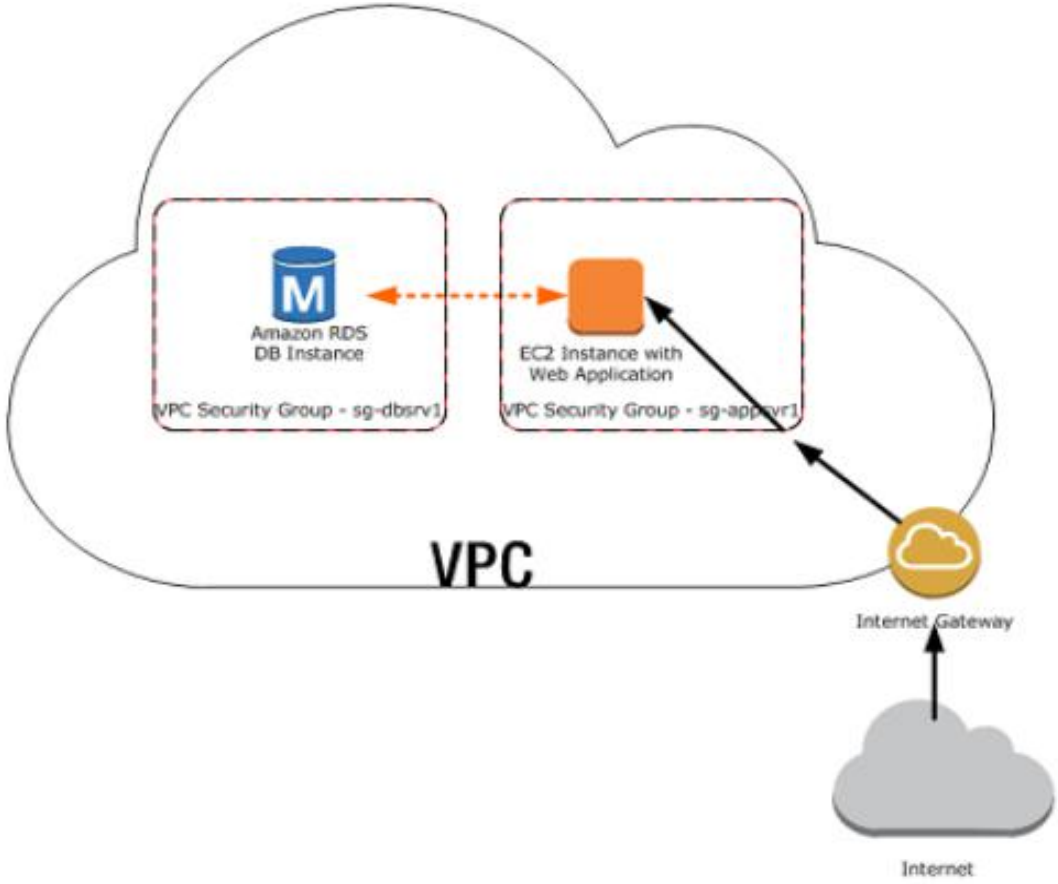


amazon



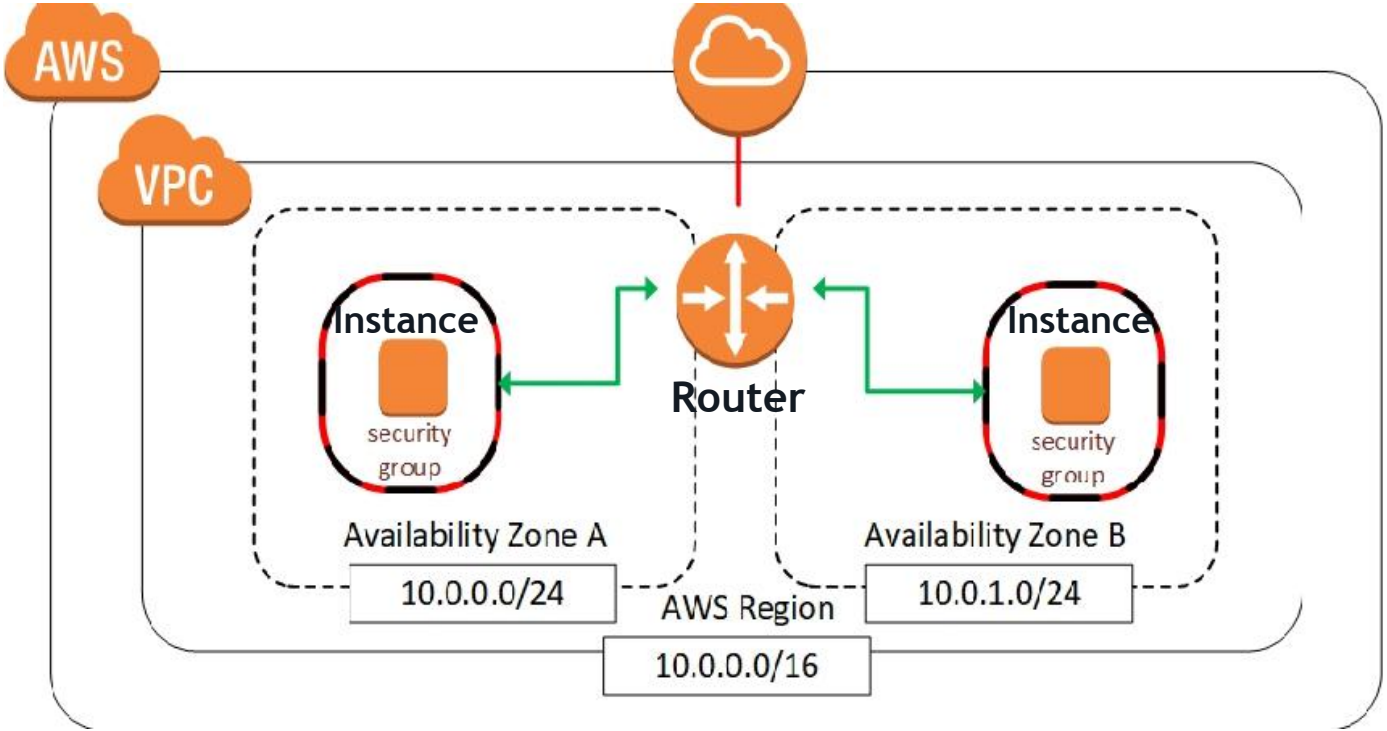
CLOUD COMPUTING WITH AWS

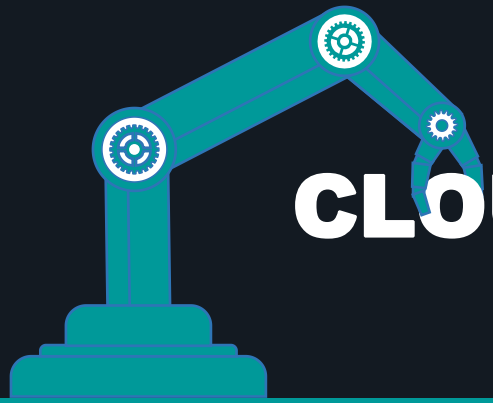
Virtual Private Cloud



Virtual Private Cloud (VPC)

Security Group





CLOUD COMPUTING WITH AWS

DATABASE SERVICE

Database Service

“Menyediakan database relasional dan non-relasional”

Amazon DynamoDB

Amazon RDS

AWS ElastiCache

amazon REDSHIFT

Perbedaan Layanan DB di Cloud & On-Premise

DATABASE ON-PREMISE	DATABASE CLOUD IN AWS
bertanggungjawab penuh untuk upgrade dan backup database	tersedia layanan upgrade, backup, dan failover
bertanggungjawab penuh untuk keamanan database	tersedia infrastruktur keamanan tingkat tinggi menggunakan certification
mengontrol keseluruhan bagian yaitu, OS, server, dan database	dikelola oleh mesin dan dapat di automatisasi
replikasi bersifat mahal dan rumit, serta membutuhkan banyak teknik	tersedia layanan failover

Amazon RDS

- Aurora
- PostgreSQL
- MySQL
- MariaDB

- Automated backup
- Replica
- Manual snapshot
- Cross-region snapshot
- Migration

- No cost to get started
- Pay only for what you consume

- Simple
- Fast to deploy & scale
- Predictable performance

Flipboard

CLOUD COMPUTING

Thank You