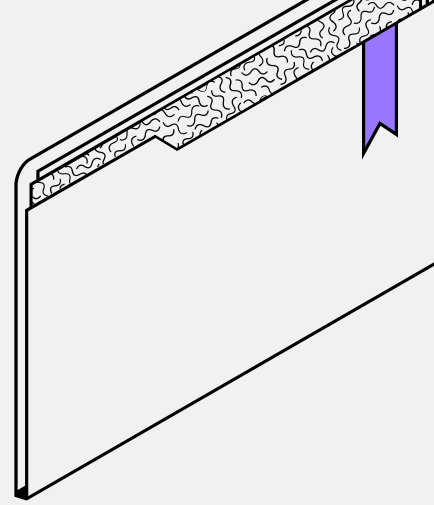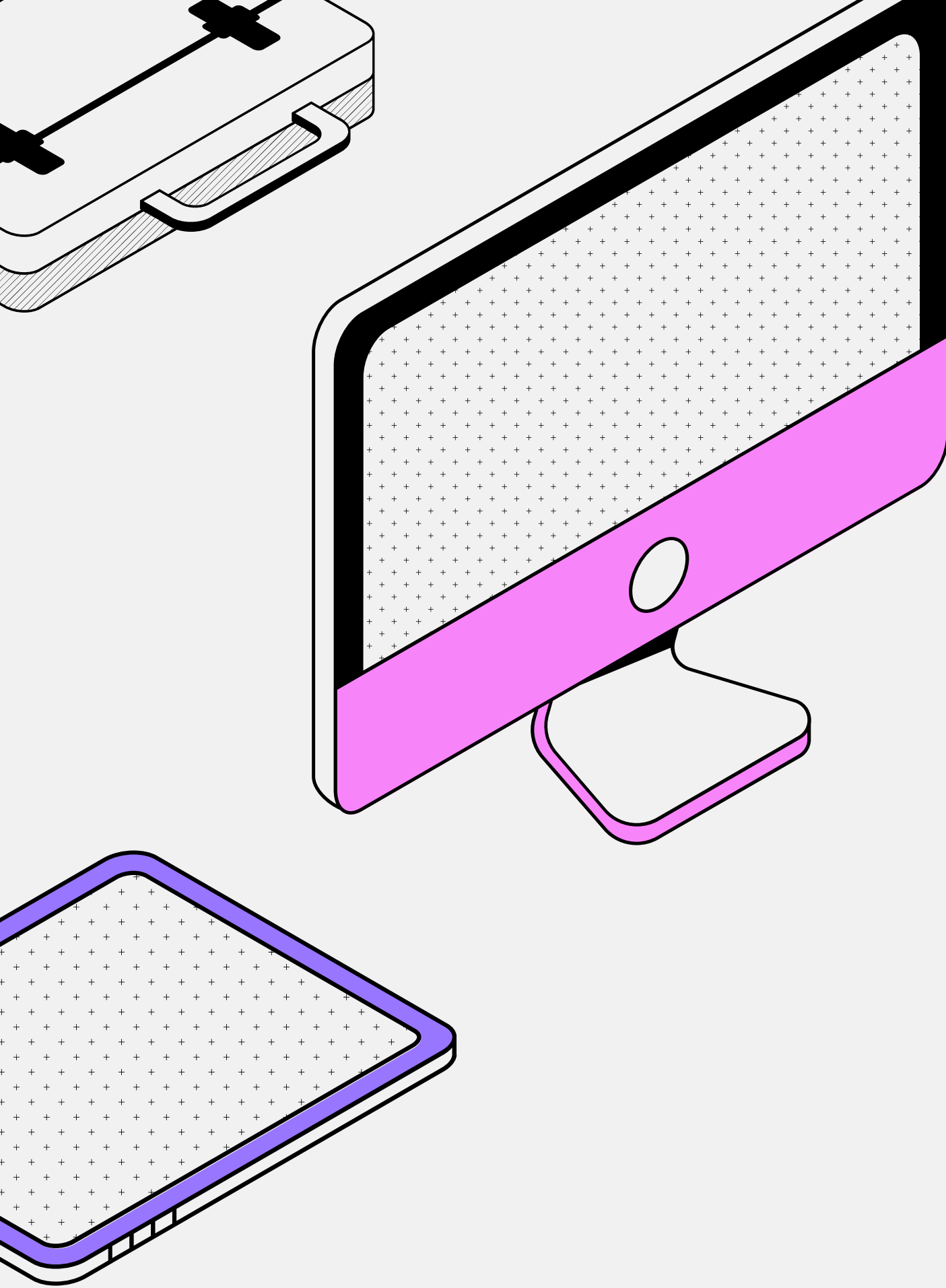# Cloud Computing
Technology

M. Octaviano Pratama, S.Kom., M.Kom
Director BISA AI Academy
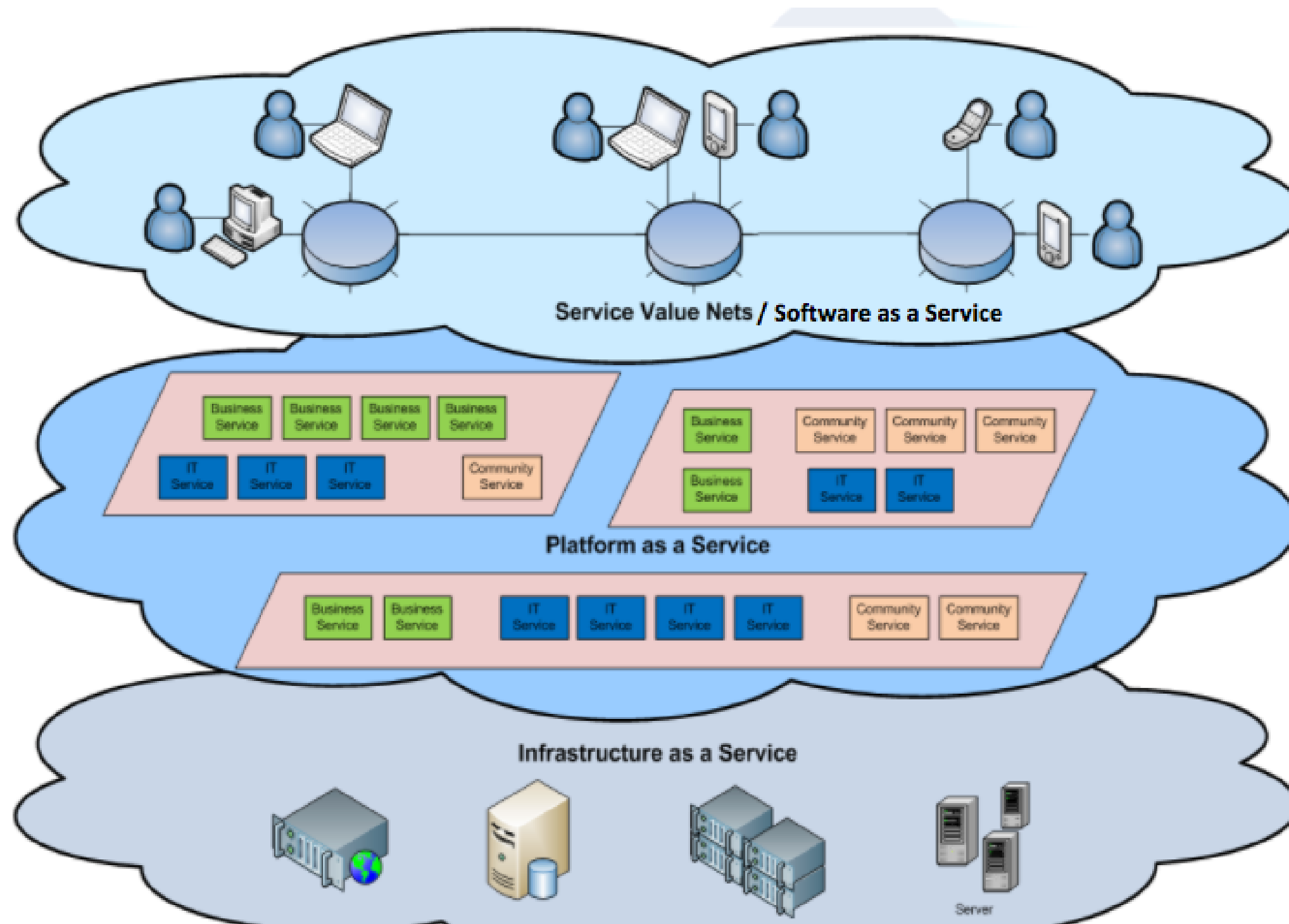
Cloud Supported by:

HUAWEI CLOUD

Pengenalan Cloud Computing
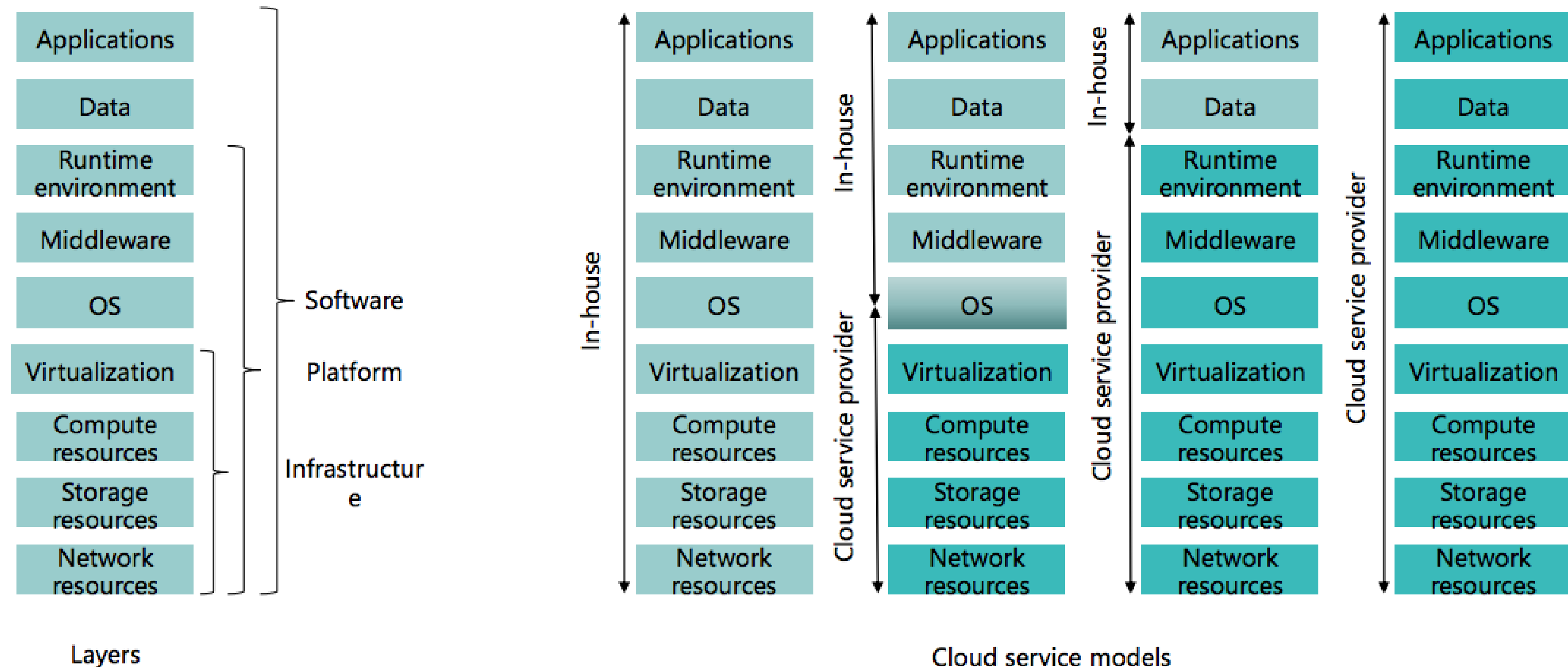
What is Cloud Computing

- Shared pool of configurable computing resources
- On-demand delivery through internet
- Provisioned by the service provider
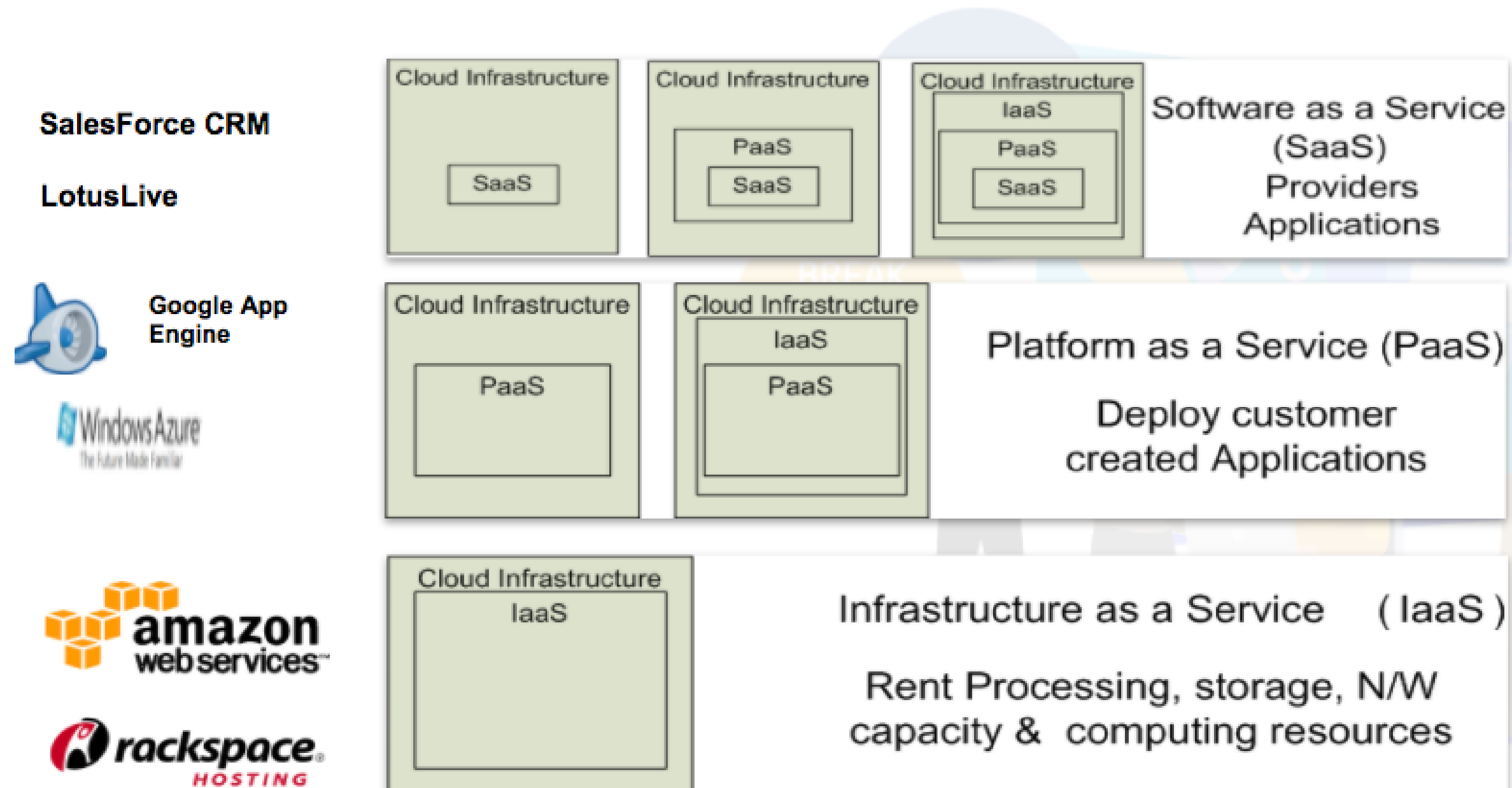- Pay-as-you-go pricing

Cloud Architecture

Service Value Nets / Software as a Service

Platform as a Service

Infrastructure as a Service

Business Service

Community Service

IT Service

Server

Cloud Service Model

Layers

Cloud service models

Cloud Service Model

SalesForce CRM

LotusLive

Google App Engine

Windows Azure
The Future Made Familiar

amazon webservices

rackspace HOSTING

Cloud Infrastructure	**Cloud Infrastructure**	**Cloud Infrastructure**	Software as a Service (SaaS) Providers Applications
SaaS	PaaS / SaaS	IaaS / PaaS / SaaS	

Cloud Infrastructure	**Cloud Infrastructure**	Platform as a Service (PaaS) Deploy customer created Applications
PaaS	IaaS / PaaS	

Cloud Infrastructure
IaaS

Infrastructure as a Service   (IaaS)

Rent Processing, storage, N/W capacity & computing resources

IaaS, PaaS, SaaS

Infrastructure as Service:
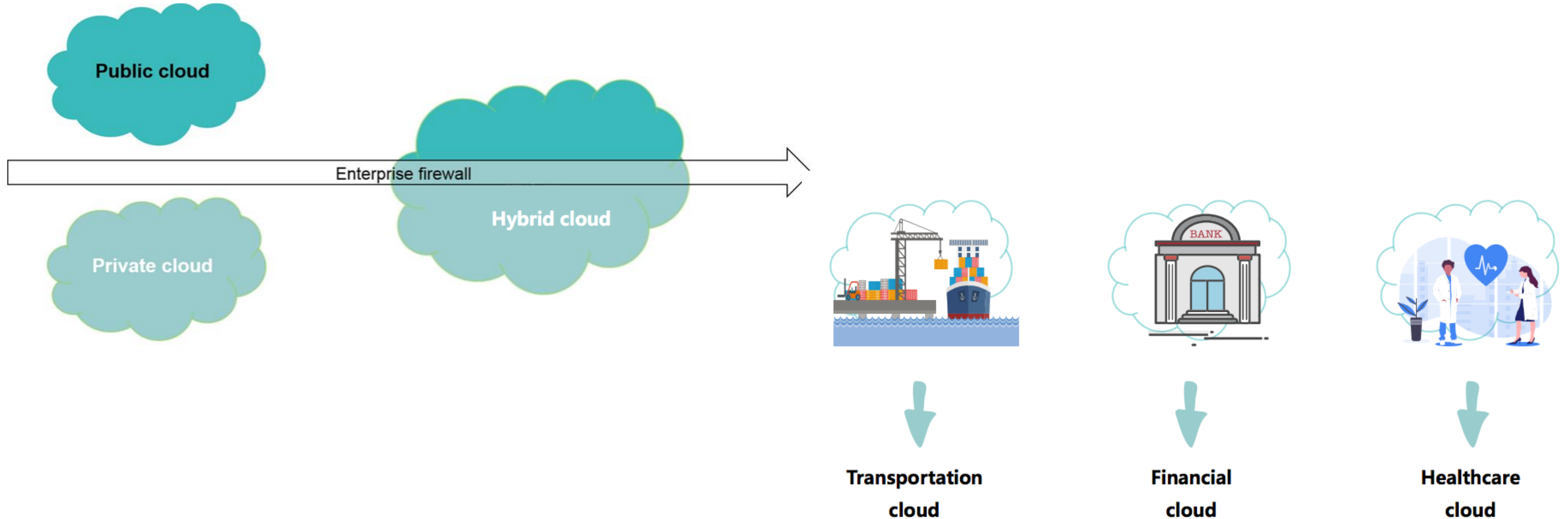- Huawei ECS
- Amazon EC2

Platform as Service:
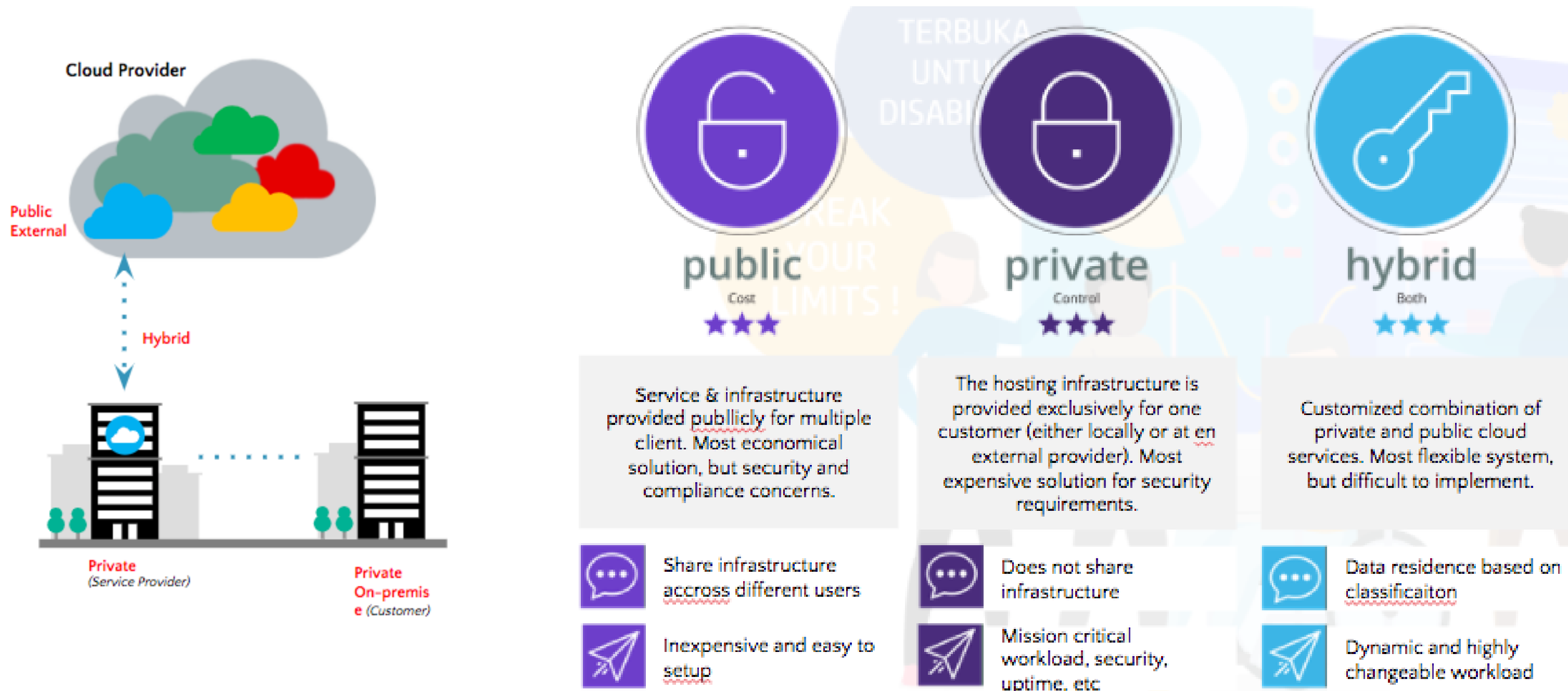- Heroku
- Huawei Modelarts

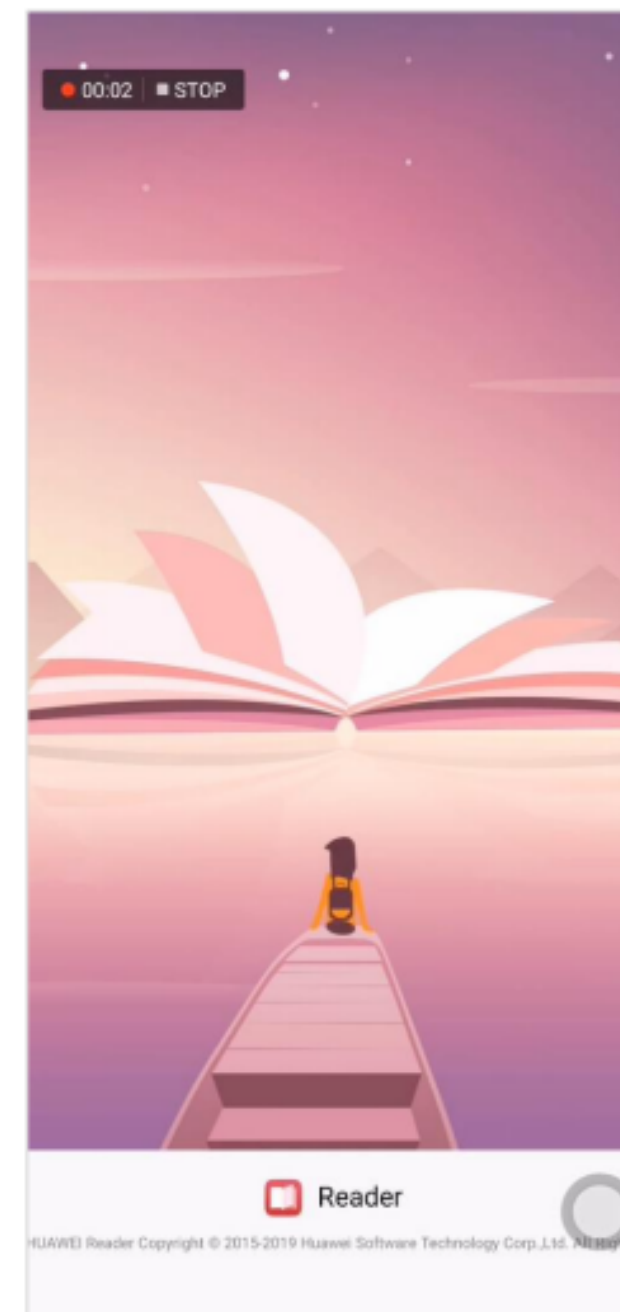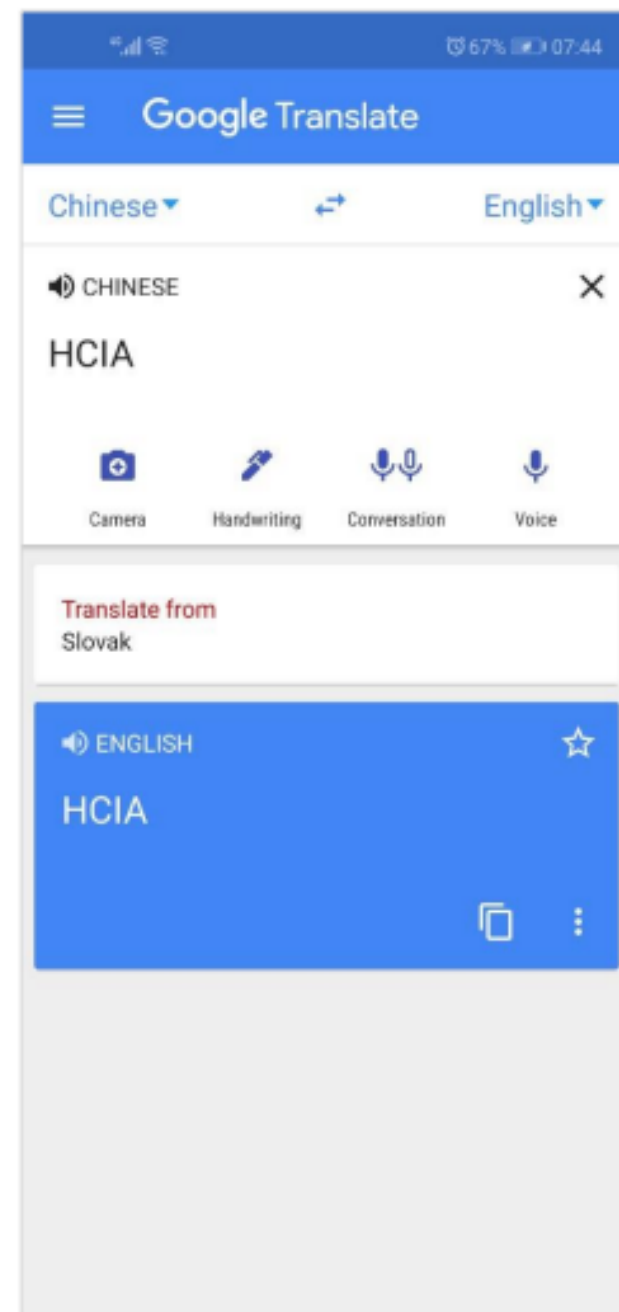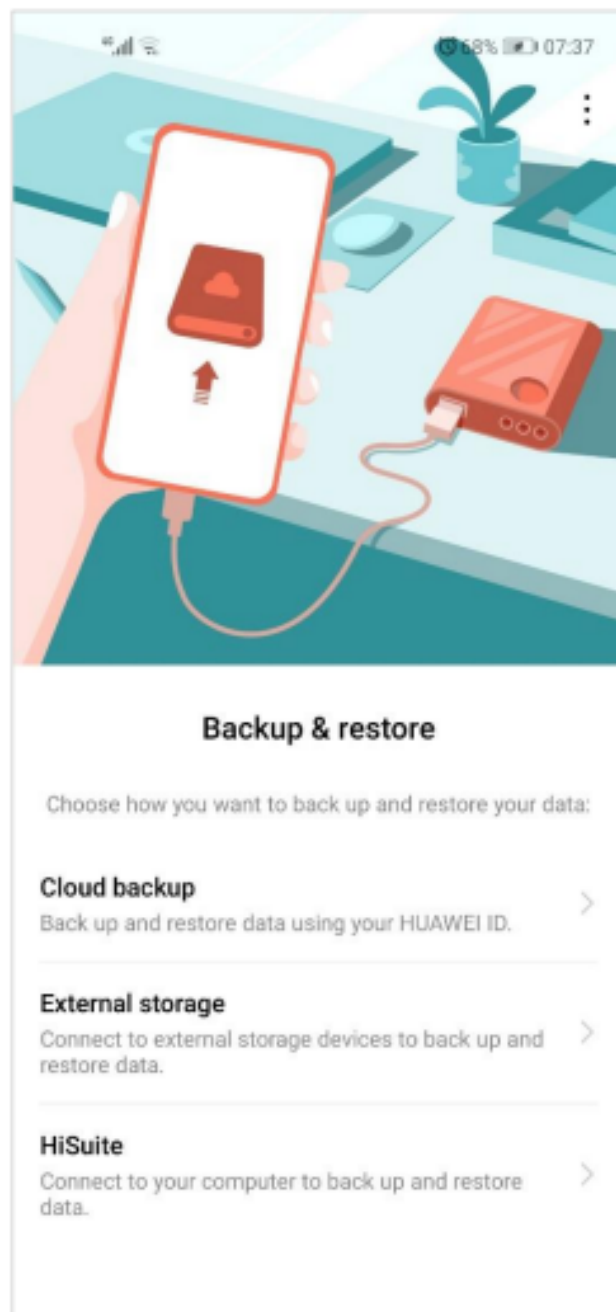**Software as Service:**
- Google Docs
- Google Mail

Cloud Deployment Model

Cloud Deployment Model

Example of Cloud

Characteristics Cloud Computing

Massive scale

On-demand
self service

Low cost
software

Broad network
access

Virtualization

Rapid
elasticity

Geographic
distribution

Service
orientation

Advantages Cloud Computing

Lower computer costs

Increased data reliability

Improved performance

Universal document access

Reduced software costs

Latest version availability

Instant software updates

Easier group collaboration

Unlimited storage capacity