

Cloud Computing architecture at a glance

APPLICATIONS

SaaS: a software distribution model based in the Cloud and centralised on servers which users access through web browsers.

Examples: Salesforce, Google Drive

PLATFORMS

PaaS: development environments which include databases, load balancers or business tools for analysis, flows and security.

Examples: AWS Elastic Beanstalk, Microsoft Azure Search

SERVERS

Hardware: the processors that make up the physical machines that run in the data centres of a Content Security Policy (CSP).

Examples: Intel Xeon, AWS Graviton

IMAGES

Operating Systems: these run on Application Programming Interfaces (APIs) and are fundamental to the development of the Cloud.

Examples: Linux, Unix

VIRTUAL IT ENVIRONMENTS

Cloud APIs: internal structures that allow infrastructure users to be agnostic in their approach to their choice of hypervisors.

Examples: AWS simple storage system, Google Cloud Platform

HYPERVISORS

Virtualisation: this layer converts a physical infrastructure into virtual machines, usually through hypervisors.

Examples: Xen, kV

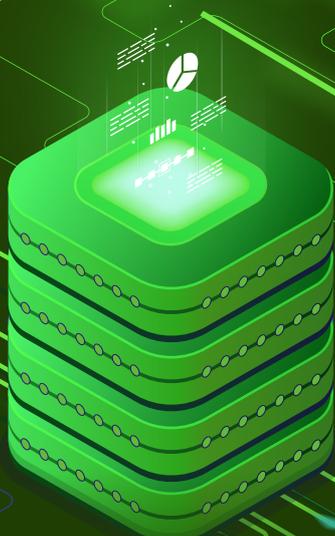
NETWORK EQUIPMENT

Fibre optic cables: equipment that provides connections between data centres, clients and the public Internet. **Examples:** Fibre optic cables, routers

DATA CENTRES

Physical structure and infrastructure: includes the critical components that support the operations and security.

Examples: Buildings, electrical infrastructures



Source: Carnegie Endowment for International Peace.