Cloud Computing

SaaS

IaaS

PaaS

..aaS

Software As A Service

Infrastructure As A Service

Provides virtual machines

Platform As A Service

Provides a platform to deploy application

Cloud Foundry

Desktop As A Service
Backup As A Service
Storage As A Service
Function As A Service

IaaS

2001
VMware ESXi

2006
AWS EC2 beta

2003
Xen

2007
Linux KVM

2013
Google Compute Engine

2008
Microsoft Azure

```mermaid
IaaS Networking
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IaaS Networking

Public networking

Connect via public IP address

Private networking

Connect via VPN (Virtual Private Networking, VNP tunnel?) or, in some case Dedicated connections

VPC (Virtual Private Cloud)

Private network in the public cloud that you can control (firewall, IP range...