Infrastructure as a Service

Infrastructure as a Service, or IaaS is a service offering by most cloud providers that provides *virtual machines* and the accompanying infrastructure as a service. This lecture will discuss the details of how an IaaS service is built.

Virtual machines

Virtualization technology

Typical instance types

Automation

Virtual machine pools

Storage

Local storage

Block storage

Network file systems

Object storage

Network

Firewalling

Network load balancers

Private networks

DNS

VPNs, private interconnects, and routing services

Monitoring

Automation