Compute node

Virtual machine monitor (Hypervisor)

Virtual Machine 1

Customer application

Operating system

Virtual network card

Virtual Machine 2

Customer app

Operating system

Virtual network card

Virtual Machine 3

Customer app

Operating system

Virtual NIC 3

Virtual local Site

Memory/Flash

Virtual cloud disk

Programmable network card

Virtual network

Network node

Common network card

Virtual networking Features

Storage nodes

Normal network card

Data structure processing

Memory/Flash

Data center network