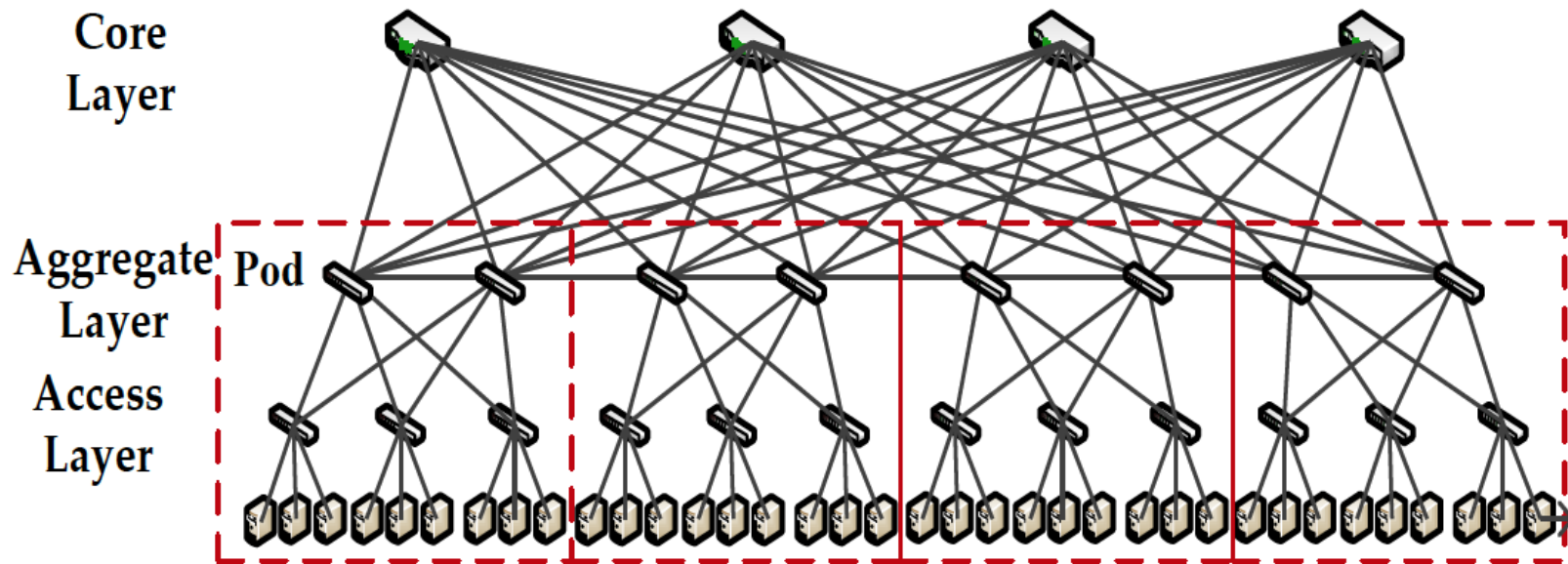


# Cloud interconnection... (Cont'd)

Abstract view



Core Layer

Aggregate Layer

Access Layer

## What is the function of access layer?

Traditionally, the primary function of an access layer switch is to provide network access to the user. Access layer switches connect to distribution layer switches to perform network foundation functions such as routing, quality of service (QoS), and security.

## What is the function of aggregate layer?

The data center aggregation layer ties the DC core and DC access layers together, which provides hierarchy for security and server farm services. Security services such as access control lists (ACL), firewalls, and intrusion prevention systems (IPS) should be implemented in the data center aggregation layer.

## What is the function of data center core layer?

The data center core layer provides a fabric for high-speed packet switching between multiple aggregation modules. This layer serves as the gateway to the campus core where other modules connect, including, for example, the extranet, WAN, and Internet edge