True/False

NAS devices can be used to share files across multiple clients, providing a centralized storage location for an organization.

True

In datacenter storage context, DAS means Distributed Application Storage

False

NASs can provide high-speed, low-latency access to storage resources for applications that require fast access to dat

False

DAS devices are typically shared by multiple servers

False

DAS (Direct Attached Storage) is a storage system directly attached to the datacenter network

False

DAS devices connect directly to a network and are accessed over the network by clients

False

NASs are primarily used for block-level access to data, while SAN devices provide file-level access

False

SANs typically use Fibre Channel or iSCSI to connect servers to storage devices

True

POD, Virtual-Chassis, DCell and BCube models are all evolutions of the leaf-spine network architectures

False

TOR switches are typically used in small-scale datacenter deployments and are not suitable for larger networks

False

In a leaf-spine topology, adding or removing a leaf switch does not impact the connectivity of other switches in the network

True

Datacenter newtorks are not designed with oversubscription

False

Oversubscription is not used in TOR switches

False

In datacenter network, TOR refers to top-of-rack switches

True

Multiple choice

What is a Network Attached Storage (NAS)?

A a computer connected to a network that provides computation to other devices

B a remote storage unit connected to PC using a specific networking technology

C a storage system directly attached to a server or workstation

D a computer connected to a network that provides only file-based data storage services to other devices

Which of the following is not a feature of a fat tree topology in a data center network architecture?

A It has a three-tier model

B It has a recursive organization

C None of the others

D It has multiple connections to the core

In a three-layer network architecture of a Datacenter, which is the layer that is typically associated to the TOR switch?

A Access

B Core

C Aggregation

D None of the others

TOR switches refers to

A Tower switch

B Top-of-rack switch

Which is the main characteristic of the D-Cell topology for data center network architectures?

A The network is organized in a distributed way

B The network comprises edge, aggregation and core layers

C the network is organized in a recursive way

D the network is organized in a hierarchical way

One of these configurations is not considered in Data-center network architectures. Which one?

A D-Cell

B Three layers

C Fat-tree

D Direct Connections

One of these levels is NOT part of a typical three-layers network architecture of a data-center?

A Access

B Aggregation

C Core

D Cloud

Which is the configuration characterizing the three-layers network architecture of a data-center?

A Sensors – Aggregation – Cloud

B Access - Aggregation – Cloud

C Access – Aggregation – Core

D Access – Fog – Core