Module 13
Fundamental Cloud Storage

Cloud Storage Concepts

- disk throughput
- input/output (I/O)
- input/output per second (IOPS)
- information
- data
- storage
  - optical
  - magnetic
  - electronic
  - block-level
  - file-level
  - object-level

Storage Device Components

- storage device front-end
- storage controller
- storage processor port
- dual storage ports
- storage cache
- storage back-end
- storage back-end controller
- storage back-end port
- redundant storage back-end port
- physical disk

FC SAN Components

- FC node
- FC node port
- FC host bus adapter
- connector
- cable
- FC switch
- SAN fabric
- FC router
- SAN management software
- SAN management server

Cloud Storage Types

- local storage
- directly attached storage (DAS)
- remote storage
- remote shared storage

Cloud Storage Networking Types

- internet protocol-based storage networking (IP SAN)
- fibre channel storage area network (FC SAN)
- fibre channel over ethernet (FCoE)
- network attached storage (NAS)

RAIDs

- software RAID
- hardware RAID
- RAID 0
- RAID 1
- RAID 5
- RAID 6
- RAID 1+0

Access Time

- average seek time
- full stroke seek time
- track-to-track seek time

Disk Components

- actuator
- actuator arm
- controller
- data connector (interface)
- read/write head
- platter
- power connector
- spindle

Backup

- options
  - host-based
  - VIM-based
  - virtual server-based
  - storage-based
- methods
  - disk-based
  - tape-based
  - VTL-based

Arcitura® CERTIFIED *Cloud Storage Specialist*

Module 13: Fundamental Cloud Storage
Official Mind Map Supplement

Arcitura Cloud School - Cloud Storage Specialist Certification Program
Copyright © Arcitura Education Inc. www.arcitura.com

Arcitura® TRAINING Cloud Storage

Arcitura® CERTIFIED Cloud Storage Specialist