Module 14
Advanced Cloud Storage

FC Data Type
- start of frame (SOF)
- frame header (FH)
- cyclic reduncancy check (CRC)
- end of frame (EOF)

Cloud Storage Mechanisms
- caching
- data aging management
- data management
- device performance monitor
- data placement auditor
- gateway
- import and export
- LUN masking
- RAID-level identifier
- storage path masking

IP Storage
- network-attached storage (NAS)
- internet protocol storage network (IP SAN)
- defense critical infrastructure program (DCIP)
- internet fibre channel protocol (iFCP)
- internet small computer system interface (iSCSI)

Cloud Storage Design Patterns

Reliability & Failover
- Redundant Storage
- RAID-based Data Placement
- Multipath Resource Access

Data Migration & Management
- Cloud Data Placement Compliance Check
- Single Root I/O Virtualization
- Sub-LUN Tiering
- Cloud Data Lifecycle Management
- Cloud Data Management
- Storage Maintenance Window
- Dynamic Data Normalization

Data Integrity & Security
- Cloud Storage Device Masking
- Cloud Storage Device Path Masking
- IP Storage Isolation
- Cloud Data at Rest Encryption
- In Transit Cloud Data Encryption

Performance & Scaling
- Storage Workload Management
- Cloud Storage Device Performance Enforcement
- Direct I/O Access
- Direct LUN Access
- Cross-Storage Device Vertical Tiering
- Intra-Storage Device Vertical Data Tiering

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Official Mind Map Supplement

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