Module 4
Fundamental Cloud Architecture

Private Cloud

- required
  - Automated Administration
  - Broad Access
  - Centralized Remote Administration
  - Elastic Environment
  - Multitenant Environment
  - Rapid Provisioning
  - Realtime Resource Availability
  - Resilient Environment
  - Resource Management
  - Resource Pooling
  - Self-Provisioning
  - Shared Resources
  - Usage Monitoring
  - Workload Distribution
- optional
  - Bare-Metal Provisioning
  - Logical POD Container
  - Non-Disruptive Service Relocation
  - Pay-as-You-Go
  - Rich Container
  - Serverless Deployment
  - Volatile Configuration

Public Cloud

- required
  - Automated Administration
  - Broad Access
  - Centralized Remote Administration
  - Elastic Environment
  - Isolated Trust Boundary
  - Multitenant Environment
  - Pay-as-You-Go
  - Rapid Provisioning
  - Realtime Resource Availability
  - Resilient Environment
  - Resource Management
  - Resource Pooling
  - Self-Provisioning
  - Shared Resources
  - Usage Monitoring
  - Workload Distribution
- optional
  - Bare-Metal Provisioning
  - Non-Disruptive Service Relocation
  - Resource Reservation
  - Rich Container
  - Serverless Deployment
  - Volatile Configuration

Infrastructure-as-a-Service

- required
  - Automated Administration
  - Broad Access
  - Centralized Remote Administration
  - Dynamic Scalability
  - Multipath Resource Access
  - Multitenant Environment
  - Pay-as-You-Go
  - Rapid Provisioning
  - Realtime Resource Availability
  - Resource Management
  - Resource Pooling
  - Self-Provisioning
  - Shared Resources
  - Usage Monitoring
  - Workload Distribution
- optional
  - Bare-Metal Provisioning
  - Logical POD Container
  - Rich Container
  - Single-Node Multi-Containers

Platform-as-a-Service

- required
  - Automated Administration
  - Broad Access
  - Centralized Remote Administration
  - Dynamic Scalability
  - Isolated Trust Boundary
  - Multitenant Environment
  - Pay-as-You-Go
  - Platform Provisioning
  - Rapid Provisioning
  - Realtime Resource Availability
  - Resource Management
  - Resource Pooling
  - Self-Provisioning
  - Service State Management
  - Shared Resources
  - Usage Monitoring
  - Workload Distribution
- optional
  - Container Chain
  - Container Sidecar
  - Logical POD Container
  - Multi-Container Isolation Control
  - Non-Disruptive Service Relocation
  - Resource Reservation
  - Rich Container
  - Serverless Deployment
  - Volatile Configuration

Software-as-a-Service

- required
  - Automated Administration
  - Broad Access
  - Centralized Remote Administration
  - Dynamic Scalability
  - Multitenant Environment
  - Pay-as-You-Go
  - Rapid Provisioning
  - Realtime Resource Availability
  - Resource Management
  - Self-Provisioning
  - Shared Resources
  - Usage Monitoring
  - Workload Distribution
- optional
  - Leader Node Election
  - Micro Scatter-Gather
  - Non-Disruptive Service Relocation
  - Resource Reservation
  - Rich Container
  - Service State Management

Module 4: Fundamental Cloud Architecture
Official Mind Map Supplement

Cloud Certified Professional (CCP) Program
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