

Set 1

- **User Role:** A student beginning the chapter.
 - **User Goal:** "What is the definition of a public cloud?"
 - **Golden Answer:** "A public cloud is owned and operated by third-party service providers like Amazon AWS, Google Cloud, or Microsoft Azure."
 - **Page Number:** 1
-

Set 2

- **User Role:** A curious student.
 - **User Goal:** "Why would an organization choose to use a private cloud instead of a public one?"
 - **Golden Answer:** "They are best for companies that deal with sensitive data, such as banks, healthcare, and government agencies."
 - **Page Number:** 1
-

Set 3

- **User Role:** An intelligent student preparing for an exam.
 - **User Goal:** "What is the key difference between how traditional clusters and cloud systems handle resource demands?"
 - **Golden Answer:** "In traditional clusters or grids, resource demand is usually static and predictable."
 - **Page Number:** 3
-

Set 4

- **User Role:** A question paper setter.
 - **User Goal:** "What is a major disadvantage of OS-level virtualization?"
 - **Golden Answer:** "All VMs must run the same OS type (e.g., Linux-based host can't run Windows VMs), reducing flexibility."
 - **Page Number:** 15
-

Set 5

- **User Role:** A student trying to understand service models.
- **User Goal:** "What service model is Google App Engine an example of?"

- **Golden Answer:** "Google App Engine (GAE) is a classic example of the Platform as a Service (PaaS) model."
 - **Page Number:** 5
-

Set 6

- **User Role:** A teacher explaining cloud architecture layers.
 - **User Goal:** "What is the fundamental concept of the Application Layer (SaaS)?"
 - **Golden Answer:** "The Application Layer is where cloud services are delivered to users as fully managed software applications."
 - **Page Number:** 9
-

Set 7

- **User Role:** A less confident student.
 - **User Goal:** "How does a hybrid cloud work in simple terms?"
 - **Golden Answer:** "A hybrid cloud combines both public and private clouds to leverage the benefits of both."
 - **Page Number:** 1
-

Set 8

- **User Role:** A student revising for a test.
- **User Goal:** "What is the purpose of the Virtual Machine Monitor (VMM) in intrusion detection?"
- **Golden Answer:** "The Virtual Machine Monitor (VMM) can monitor access to hardware and system software, similar to HIDS."
- **Page Number:** 14