MCQs:

1. What does Eucalyptus stand for?

a) Elastic Utility Computing Architecture for Linking Your Programs To Useful Systems

b) Elastic Utility Computing Architecture for Linux-based Systems

c) Elastic Utility Computing Architecture for Linux and Windows Systems

d) Elastic Utility Computing Architecture for Linking Your Programs

2. Which mode of Eucalyptus provides VM network isolation?

a) Managed Mode

b) Managed (No VLAN) Node

c) System Mode

d) Static Mode

3. What is the purpose of Eucalyptus Cloud Controller?

a) Managing high performance computing

b) Providing front-end interface for the ecosystem

c) Managing the life cycle of instances

d) Storing machine images and snapshots

Fill in the Blanks:

1. Eucalyptus provides a platform for creating and managing cloud \_\_\_\_\_\_\_\_\_\_.

2. Eucalyptus is compatible with Amazon Web Services, specifically \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_.

3. The Eucalyptus architecture consists of Cluster Controller, Cloud Controller, Node Controller, and \_\_\_\_\_\_\_\_\_\_.

Short Answer:

1. What are the three modes of networking in Eucalyptus?

2. What is the role of the Walrus Storage Controller in Eucalyptus?

3. How does Eucalyptus ensure security in Managed Mode?

Long Question:

Explain the advantages of using Eucalyptus Cloud for organizations.

Answers:

MCQs:

1. a) Elastic Utility Computing Architecture for Linking Your Programs To Useful Systems

2. a) Managed Mode

3. b) Providing front-end interface for the ecosystem

Fill in the Blanks:

1. infrastructure

2. Amazon EC2, Amazon S3

3. Storage Controller (SC)

Short Answer:

1. The three modes of networking in Eucalyptus are Static mode, System mode, and Managed mode.

2. The Walrus Storage Controller in Eucalyptus is responsible for storing machine images and snapshots.

3. In Managed Mode, security groups are assigned IP addresses and ingress rules are applied to restrict access, ensuring security.

Long Question:

The advantages of using Eucalyptus Cloud for organizations include:

1. It can be utilized for both private and public clouds.

2. Examples of Amazon or Eucalyptus machine images can be run on both clouds.

3. Its API is similar to all Amazon Web Services, making it easy to integrate with existing systems.

4. It can be used with DevOps tools like Chef and Puppet for efficient management and deployment.

5. It has the potential to be an alternative to other cloud platforms like OpenStack and CloudStack.

6. It allows organizations to create hybrid clouds, combining private and public cloud resources.

7. It enables organizations to extend their services to other organizations by delivering their own data centers into a private cloud.