

Cloud Computing
Assignment-3
Unit-3

Review questions

- ✓ 1. What is virtualization and what are its benefits?
- ✓ 2. What are the characteristics of virtualized environments?
- ✓ 3. Discuss classification or taxonomy of virtualization at different levels.
- ✓ 4. Discuss the machine reference model of execution virtualization.
- ✓ 5. What are hardware virtualization techniques?
- ✓ 6. List and discuss different types of virtualization.
- ✓ 7. What are the benefits of virtualization in the context of cloud computing?
- ✓ 8. What are the disadvantages of virtualization?
9. What is Xen? Discuss its elements for virtualization.
- ✓ 10. Discuss the reference model of full virtualization.
11. Discuss the architecture of Hyper-V. Discuss its use in cloud computing.

Cloud Computing
Assignment-4
Unit-4

Review questions

1. What does the acronym *XaaS* stand for?
2. What are the fundamental components introduced in the cloud reference model?

- ✓ 3. What does Infrastructure-as-a-Service refer to?
- ✓ 4. Which are the basic components of an IaaS-based solution for cloud computing?
- ✓ 5. Provide some examples of IaaS implementations.
- ✓ 6. What are the main characteristics of a Platform-as-a-Service solution?
- ✓ 7. Describe the different categories of options available in a PaaS market.
- ✓ 8. What does the acronym SaaS mean? How does it relate to cloud computing?
- ✓ 9. Give the name of some popular Software-as-a-Service solutions.
- ✓ 10. Classify the various types of clouds.
- ✓ 11. Give an example of the public cloud.
- ✓ 12. Which is the most common scenario for a private cloud?
- ✓ 13. What kinds of needs are addressed by heterogeneous clouds?
- ✓ 14. Describe the fundamental features of the economic and business model behind cloud computing.
- ✓ 15. How does cloud computing help to reduce the time to market for applications and to cut down capital expenses?
16. List some of the challenges in cloud computing.