Cloud Computing | Unit 1 | Unit 2

Assignment

1. Explain the difference between centralized and distributed computing systems with suitable examples.
2. Explain the components of a grid computing system and their functionalities.
3. What are the major components of a cluster computing system? Mention its benefits.
4. Define cloud computing. List and explain any four characteristics of cloud computing.
5. What are the major components of cloud architecture? Explain with an diagram.
6. Describe the key differences between the three cloud service models: IaaS, PaaS, and SaaS.
7. What is virtualization in cloud computing? Discuss its role in enabling cloud services.
8. Differentiate between the four cloud deployment models: Public, Private, Hybrid, and Community clouds.
9. Differentiate between server virtualization and storage virtualization with appropriate examples.
10. Explain the working of Type 1 and Type 2 hypervisors, highlighting their differences.
11. Discuss network virtualization and its role in cloud computing environments.
12. What is load balancing in cloud computing? Explain its significance and how it is achieved.
13. Explain the concept of resource management in cloud computing and its challenges.
14. Discuss the security challenges associated with cloud computing and potential mitigation strategies.
15. Discuss the architecture and working of a virtualized data center.