SAI VIDYA INSTITUTE OF TECHNOLOGY

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Cloud Computing Question Bank - IA2

1. Differentiate between public cloud, private cloud, Hybrid cloud models. Discuss their advantages and disadvantages.
2. Explain the three main cloud service models (IaaS, PaaS and SaaS). Provide examples for each
3. Explain the typical data centre networking structure. How does it support scability, high availability and performance in cloud environments?
4. What are the various design objectives of Cloud Computing?
5. What are the challenges in designing warehouse-scale cloud data centre's?
6. Explain the key requirements for designing a warehouse-scale data center, including construction and cooling systems?
7. Explain the major security concerns and risks faced by cloud users.
8. Discuss security of database services.
9. Explain Security Risks Posed by Shared Images & Management OS.
10. Discuss the challenges and System issues in running a typical parallel program in distributed systems
11. With a neat diagram, explain the data flow during a MapReduce job using Hadoop.
12. Describe the programming model and environment provided by Google App Engine
13. Discuss the architecture and components of OpenStack Nova with a diagram
14. Explain the programming environments and tools provided by Amazon AWS and Microsoft Azure