

Assignment

Introduction to Cloud Computing


	<p>This video tutorial introduces you to cloud computing. In Cloud Computing, the O/S and the applications are separated from the underlying hardware.</p> <p>Topics include:</p> <ul style="list-style-type: none">• Web Applications• Clustering• Terminal Services• Application Servers• Virtualization• Hosted Instances• Hosted Solutions• Public vs Private Clouds
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Table 1 *Eli the Computer Guy's Introduction to Cloud Computing Video Tutorial.*

You can find this video tutorial at:

<http://www.elithecomputerguy.com/2010/12/18/introduction-to-cloud-computing/>

Instructions

For this Assignment, you will first view Eli's Introduction to Cloud Computing Video Tutorial. Then, please answer the following questions.

When you have completed your answers, print them out and save them to a file. (File format could be doc, html, or similar.) Save the file and upload it to your online portfolio.

Questions

1. How does Eli define Cloud Computing?
2. According to Eli, what does virtual computing do? Why is this advantageous?
3. How does Eli relate virtual computing to cloud computing?
4. In a cloud context, what is clustering?
5. What major application does Eli cite as being particularly friendly to clustering?
6. What happens when an individual server in a cluster fails?
7. In a cluster context, what is replication?
8. What does a terminal server do?
9. What do we call the devices that terminal servers provide services to?
10. What are application servers? How do they differ from terminal servers?
11. Eli cites two ways to do virtualization. What are they? When would you employ either one?
12. What is the name of the free open source virtualization software?
13. Can you, without any other software, directly manage a hypervisor?
14. Amazon's EC2 environment was an early example of cloud computing. Describe the service and explain why an organization may find it compatible.
15. What is a hosted instance?
16. What is an edge server? Why are they significant?

17. What is dynamic bit rate switching? How can it impact your cloud computing billing?
18. What is the difference between a hosted instance and a hosted solution?
19. Compare and contrast public and a private clouds.