

ENCS 691K-Cloud Networking and Service Provisioning-Sample Questions

Question #1

- a. Give an example of the differences between a virtual private cloud and a hybrid cloud. Give an example of the advantages hybrid clouds have over virtual private clouds. Give also an example of the drawbacks.
- b. Draw a sequence diagram which shows the interactions between the different actors of content delivery networks (CDN) starting with content distribution and ending with content acquisition.

Question #2

- a. Give an example of similarity between para-virtualization and binary translation. Give also an example of difference.
- b. Give an example of difference between virtual private networks and network virtualization
- c. Give an example of difference between VLAN and overlays

Question #3

- a. What are the layers of an IaaS? Define each one of them in 1 to 2 sentences.
- b. State in 1 sentence the resource management problem in an IaaS and give two examples of techniques that could be used to solve it.