

Tutorial 1: Introduction to Cloud Computing

Tasks:

In this tutorial, you will:

- Enhance your understanding of Lecture 1 by answering the following questions.
- Familiarize yourself with Linux Basics and Command Line.

Question Set:

Q1: What is the NIST (National Institute of Standards and Technology) definition of Cloud Computing?

Q2: Give one example of virtualization application.

Q3: Define cloud and IT resources and provide some illustrative examples.

Q4: Explain what scaling is and differentiate between Horizontal Scaling and Vertical Scaling. Support your answer with examples.

Q5: Identify the six essential characteristics of Cloud Computing and provide a brief introduction to each characteristic.

Q6: What are the four deployment models in cloud computing? Please read these reading materials and answer this question in detail.

Q7: Discuss the differences between cloud delivery models and make examples of delivery models.

Q8: What do Cloud-Enabling Technologies (CETs) include?

Q9: Please summarize the key points of Virtualization Technology for servers.

Q10: What is Google Cloud Compute Engine? What are the benefits of Google Cloud Compute Engine?