

GCP CDA Module 2 - Video 7 Summary

This video introduces the concept of cloud architecture using the analogy of a shopping mall. Cloud architecture enables organizations to access computing services without managing the underlying infrastructure.

Frontend Platform: Components users interact with, such as screen design, apps, and internet networks. Example: using a browser to edit a Google Doc.

Backend Platform: Includes computing resources, storage, security, and management. It powers the cloud services behind the scenes.

Application: Software accessed from the frontend that performs tasks in the backend. Example: shopping app processing purchases.

Service: The core of cloud architecture that manages computing tasks and resources.

Runtime Cloud: Provides the environment for cloud services to run efficiently, similar to an operating system.

Storage: Flexible and scalable space offered by cloud providers to hold and organize data.

Infrastructure: Hardware components like CPU, GPU, and network devices that support cloud operations.

Security: Ensures data and network protection, preventing data loss and downtime.