

GCP CDA Module 2 - Video 8 Summary

This video introduces the concept of cloud cost optimization, emphasizing its importance for businesses aiming to reduce expenses and improve efficiency. It outlines key benefits and strategies that cloud professionals can use to optimize resource usage and demonstrate value.

Cloud Cost Optimization: The process of reducing cloud expenses by implementing cost-reduction strategies. It helps organizations save money, enhance workload efficiency, and maximize value from cloud resources.

Cost Visibility: Knowing exactly what money is spent on and how cloud services are billed. It allows organizations to justify expenses and align spending with operational goals.

Performance Improvement: Optimizing cloud resources ensures applications run smoothly, improving user experience while reducing costs.

Carbon Reduction: Optimizing cloud usage helps reduce the environmental impact of cloud computing, lowering an organization's carbon footprint.

Rightsizing: Adjusting computing resources like processing power and storage to match the exact needs of an application or workload, minimizing waste.

Auto-scaling: A cloud service that automatically adjusts computing resources based on user demand, scaling up or down as needed.

Reserved Instances: A payment model where organizations commit to a specific amount of resources for a set time period in exchange for a discount.