Training Day 5 Report:

01 July 2025

This session was conducted as part of the Cloud Foundation module on Great Learning. It provided detailed theoretical knowledge and business insights into the practical use of cloud computing in modern IT environments.
Cloud computing is a transformative model that enables ubiquitous, convenient, and on-demand access to a shared pool of configurable computing resources.

Main Topic: Pricing and Scaling Models

Here are the key concepts and their expanded explanations:

1. 1. Pricing Models:

- Explanation: Pay-as-you-go, Reserved instances, Spot instances.

- Theory Extension: Cloud computing delivers services over the internet, offering faster innovation, flexible resources, and economies of scale. A key advantage of cloud systems is resource abstraction, enabling users to focus on their applications while the infrastructure is handled by providers.

2. 2. Scaling in Cloud:

- Explanation: Vertical Scaling: Increase resources of a single server.

- Additional Info: Horizontal Scaling: Add more servers to handle load.

- Theory Extension: Cloud computing delivers services over the internet, offering faster innovation, flexible resources, and economies of scale. A key advantage of cloud systems is resource abstraction, enabling users to focus on their applications while the infrastructure is handled by providers.

Key Takeaways

- I learned that pricing is based on use — great for budget control.

- Scaling is automatic in most cloud setups.

- Efficient for businesses with unpredictable workloads.

Additional Insights:
The training included discussions on real-time scalability, security concerns in public and hybrid deployments, and vendor lock-in. It emphasized the need for professionals to understand pricing models and cloud governance in order to manage resources efficiently.