

Comprehensive Cloud Computing Course

Overview of Cloud Computing

- Definition of cloud computing
- History and Evolution of Cloud Computing
- Key Considerations for Cloud Computing
- Key Cloud Service Providers
- Machine Learning and AI on Cloud
- Analytics in the Cloud

Cloud Computing Models

- IaaS - Infrastructure as a Service
- PaaS - Platform as a Service
- SaaS - Software as a Service
- Public Cloud, Private Cloud, Hybrid Cloud

Overview of Cloud Infrastructure

- Virtualization and Types
- Handling cloud security
- Drivers of Cloud Solutions
- Evaluating the architecture
- File Storage and Block Storage
- CDN - Content Delivery Networks
- Deployment of software solutions and web applications
- Serverless Computing and Microservices
- Overview of AWS (Amazon Web Services)
- Practice exercises