

Cloud Computing for End Users

Course Contents

Module 01

- Components of cloud computing
- Differentiating types of clouds: public, private, hybrid
- Advantages, History, and Characteristics of Cloud Computing
- Service & Deployment Models, Infrastructure, and Consumer View
- Security and Scenarios
- Assumptions, Terms of Service, & Promises
- Limitations, Obligations, Recommendations, & Implications
- Comparing vendor cloud products: Amazon, Google, Microsoft and others

Module 02

- Overview
- Service, Deployment, Scope, and Control
- SaaS Dynamics and Software Stack Control
- SaaS Benefits, Issues and Concerns, Suitability, and Recommendations
- PaaS Dynamics and Software Stack Control
- PaaS Benefits, Issues and Concerns, Suitability, and Recommendations
- IaaS Abstract Interaction Dynamics and Software Stack Control
- IaaS Operational View
- IaaS Benefits

Module 03

- Review of Service Models
- SWOT Analysis and Value Proposition
- General Cloud Computing Risks
- Risks 2: Performance, Network Dependence, Reliability, Outages, and Safety Critical Processing
- Risks 3: Compliance and Information Security
- Value and Risk of Open Source Software
- Cloud Computing Cost Analysis