

CCL Assignment 2

Q.1] Why security on cloud is important? Explain various cloud security issues?

→ • cloud security is essential because cloud environments are managed externally often by third party providers, and are managed externally inherently multi-tenant. This presents unique risks to sensitive data, application performance, and business continuity. cloud security ensures that the data, applications, and services hosted in the cloud remain safe from malicious actors, unauthorized access, and unintentional errors.

• cloud security issues :

- 1) Data Breaches : Unauthorized access to sensitive information
- 2) Mis Configuration : Weak security settings lead to vulnerabilities.
- 3) Account Hijacking : Stolen credentials can compromise cloud assets.
- 4) Insider Threats : Employees or contractors misusing cloud assets.
- 5) Denial of Service (DoS) Attacks : Overloading cloud resources to disrupt services.
- 6) Insecure APIs : Poorly secured APIs can be exploited.