

# IAM Section

1. Identity and Access Management
2. Global Service
3. Users : People within your organisation
4. Groups : Contains only users and not groups
5. Users or groups can be assigned JSON documents called policies.
6. Policies define the permissions to the user.
7. Apply least privilege principle
8. IAM Policy Structure: Version, ID, Statement, Sid, Effect, Principal, Action, Resource
9. MFA = Multi Factor Authorization (Password + Security device = Successful login)
10. Access AWS:
  - AWS Management Console
  - AWS Command Line Interface (CLI)
  - AWS Software Development Kit (SDK)
11. Access Keys are generated through AWS Console
12. Access keys = Username
13. Secret key = password
14. IAM Security Tool:
  - IAM Credentials Report (Account Level)
  - IAM Access Advisor (User Level)
15. Use Root Account only for AWS Account Setup
16. Roles: For EC2 instances or AWS Services