I User's and Giroup - In AWS IAM (Identity and chocess Management) users and Ovioups are fundamental concepts used to manage access to AWS resources.

in AWS to represent a person or applicant that interacts with AWS resources. Each user has arrique credentials, username, palsword and optionally access keys for programmatic access.

purpose - Users are created to a wow individed -ual people or applications to access AWS resources separately each user can be granted specific permissions to perform actions on resources.

Goraups: An IAM group is a collection of IAM users. Goroups are used to simplify the management of permissions por multiple users.

puripose: Guroups allow you to assign permission to multiple users at once nather than assigning permission to individual user. This is particularly useful. for organizing users with similar acceptances



2) IAM - AWS IAM (&dentity and cheess
Management) is a service that helps you
security contral access to AWS services
and resources. It enables you to manage.
users, groups and permissions to allow or
deny access to AWS

key peatures:

- I) User Management Oreate and Manage users and assign security oredentials like keys
- 2) Ovroup Management: Organize users into groups to manage permissions.
- 3) Policies: Use policies to define permissions and specify what actions are abowed or deried these policies are attached to users groups or roles
- Security by sequising users to provide additional authentication.
- 5] Identity pederation: allow external identities to accels AWS resource

Benefits

- I Security: fine grained control over who can accels what resources and actions.
- I Scalability: Manage accels par large no a users and services
- 3) ple sublity: Integrate with existing identity
 Management systems
- is compilarce : Help meet regulatory and compilarce req. by managing accels contrals

