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OI Meers and yeroups

USERS:

In cloud computing, users care incliniduals

entities that evaquire raccess to cloud

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entities (such

incliniduals or non-human entities (such

incliniduals or non-human entities (such

as applications or services). Each user has

a unique identity and is cauthenticated

through credentials like username,

hasswords, APT keys, or or certificates,

there are cassigned permissions that define

what cactions they can perform within

Rey as hects of Users:

2 dentity Management: Ensures each uses

has a unique sidentity.

Authentication: Verifies aver identity through methods like passwords or multi-fractor authentication.

Authorization: Determines what actions as user can perform based or peremissions. Types: End users, service accounts administrators and external users.

Corocips: Coul computing core Collections of users who share similar role or carcess needs. Groups simplify permission management by allowing cadministrators to assign permissions and policies collectively eather than individually this approach respecially useful in large organization where managing individual ersur premission can be complex. New caspects of groups:

Pole-based Access control: Assigns permissions
based on roles to sendance security and reduce cadministrative tasks. Policy Enforcement: lensures consistent complication of security policies across all groups members.

Scalability: Facilities management of permission for longe number of users.

Types: Security groups, resource groups and user groups. 2) Identity and Access Management (TAM) Edentity cond coccess management (IAM) is a combination of policies of technologies that allows organisations to identify users and provide the operight form of access as and when required. There has been a livest in the market with new applications and the requirements for an organisation

to use these applications has increased you consist want to caces can be specified is IAM. IAM doesn't provide cany replica or backerp. I Am con be one want's to control access of individual & group caccers for your AWS resources. With IAM policies, maraging to ensure least perivilege for permissions bredomes clostice easier. The AWS JAM is a global services (IAM) user didentity and access management Coroups Policies. IAM IAM roles: A role is a set of premissions that great access to actions and vierousces in AWS. These permissions are attached to the Icole not to on IAMuses or a group. An I AM uses can dise a scale in the same AMS account or a different account.

-> An I AM cuser is esimilar do as I AMuser) crole is also on AWS delentity with freemission policies that determine what the videntity can & commot do in AWS. -> A role is a not uniquely associated with a single person; it can be used by anyone who needs it. - A role does not have long torm security credential i.e. prisurord on security key. instead if the user uses a rol temporarily security coredentials are created & provided to the surer. > You can use the voles to delegate occess to were cusers, applications or services that generally do not have occess to your AWS occount | resources.