

IAM - Identify Access Management

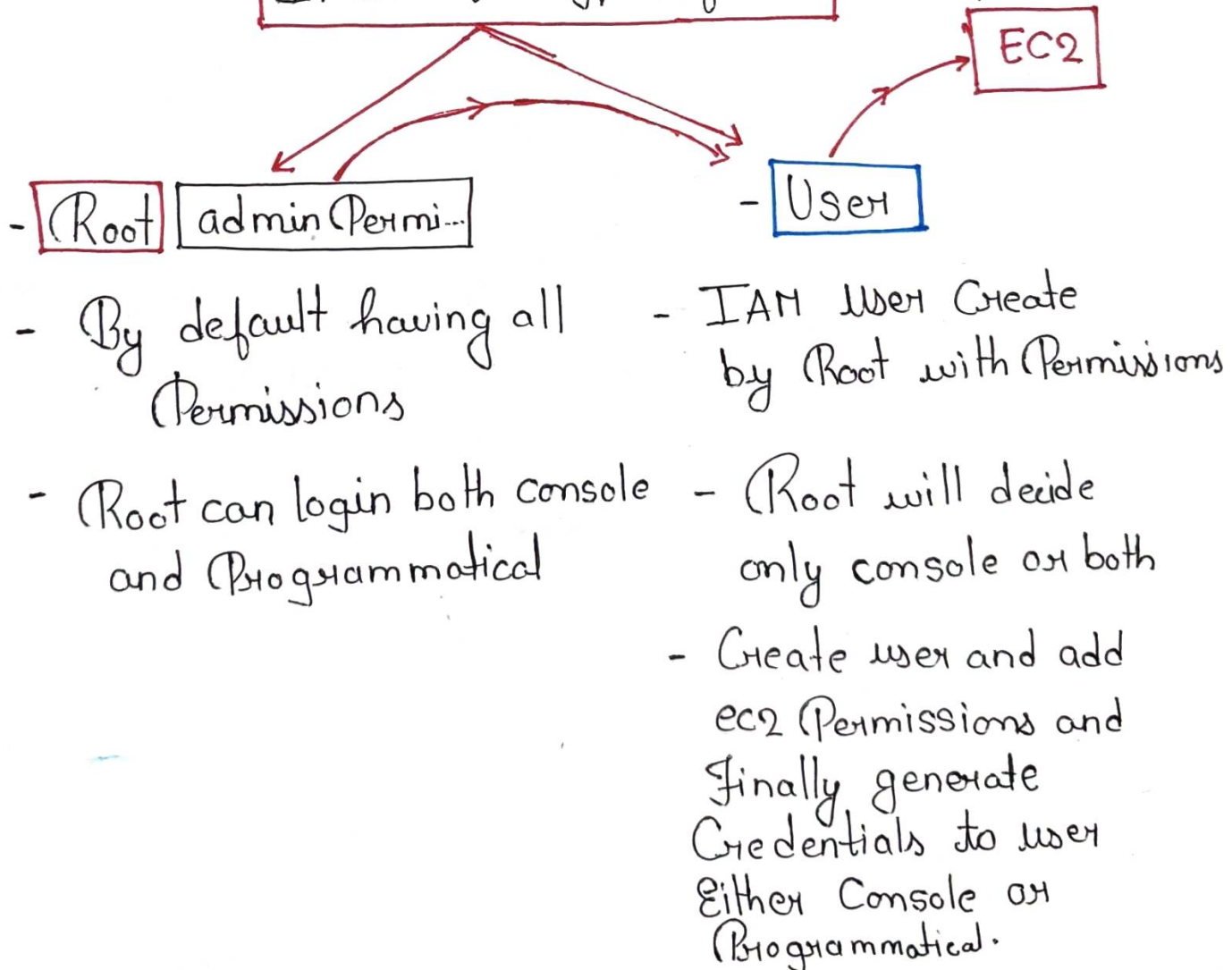
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IAM is the **Security** Service in aws

- IAM is two type of approaches

- 1. Console base (manual approach) (Root mail id Passwd)
- 2. Programmatic approach --- Access key and Secret key ID
- Ex: aws manual activities create and delete manually by clicking the Service
- Ex: Terraform, CLI, Python CDK

In IAM two types of users



• In Programmatic approach

1. key (access key and Secret key)

- AWS CLI
- AWS configure
- accesskey
- Secret keyid
- region: ap-south-1
- Output: json

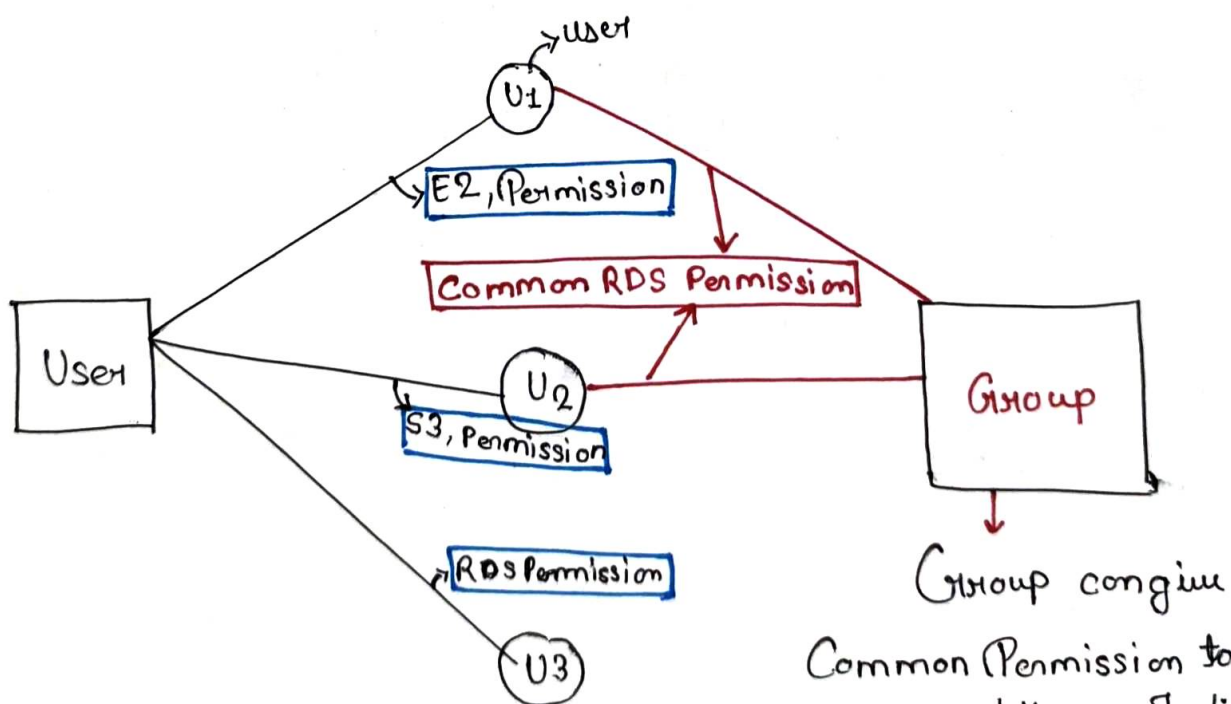
Note: - After configure AWS **AWS** folder is going to create in your local laptop user here it will store keys details and region details

• AWS CLI

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IAM "Group"

Contains number of users



Common Permission to User 1 and User 2, Individual he cannot share own permission E2, S3, only share RDS Permission.

AWS managed Policies

Standalone policy created and administered by AWS

Customer managed Policies

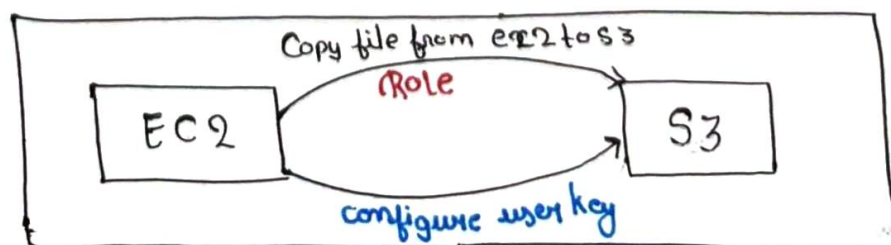
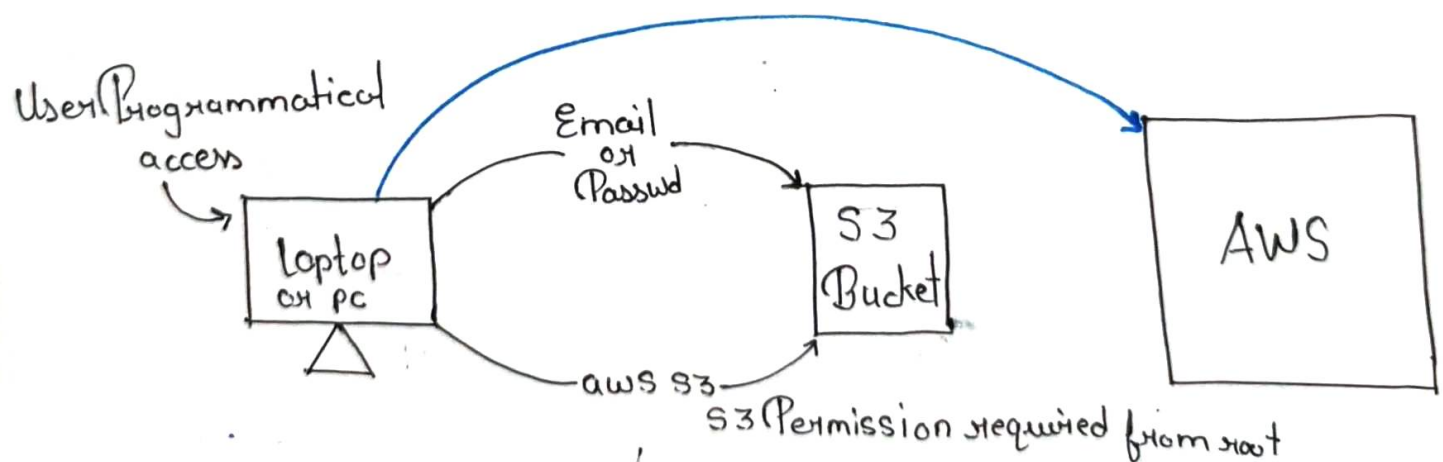
Policy you create for Specific use case, and you change or update them as often as you like.

Inline Policies

Policy created for a Single IAM (Identity user group, or role) that maintains a strict one-to-one relationship between a policy and an identity.

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IAM Roles



- IAM Role: - An IAM Role is a temporary permission Card that AWS Services or users can wear to get Permissions.
 - A role has Permissions
 - A role does not have a username and Password
 - Anyone (Service or user) who "assumes" that role gets its permissions temporarily //