

# EC2 Instances IAM

**IAM:**

## To Remember

Identity **A**ccess **M**anagement which is used to provide access to users using AWS account which in turn provides security and control

IAM uses:

- User- representing a person or application with credentials.
- Group- collection of users with common credentials.
- Roles-user or application with certain permissions.
- Policy- JSON document defining permissions (allow/deny).

**Service limits:** 5,000 IAM users, 1,000 roles, 10 managed policies per user, 2 access keys/user.

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::mybucket/*"
    }
  ]
}
```

**Least privilege** = only give the minimal permissions required.