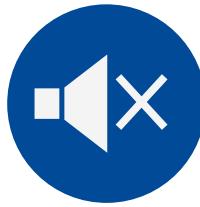


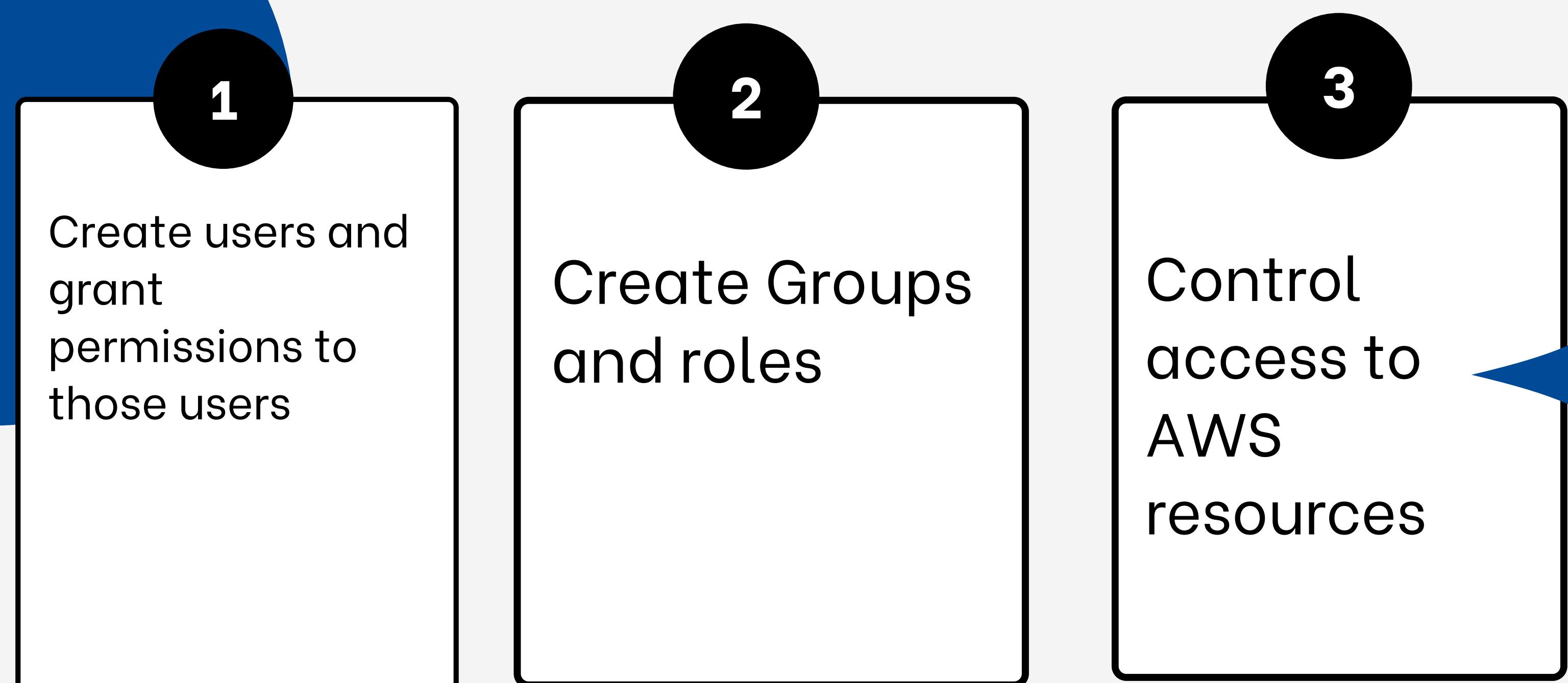
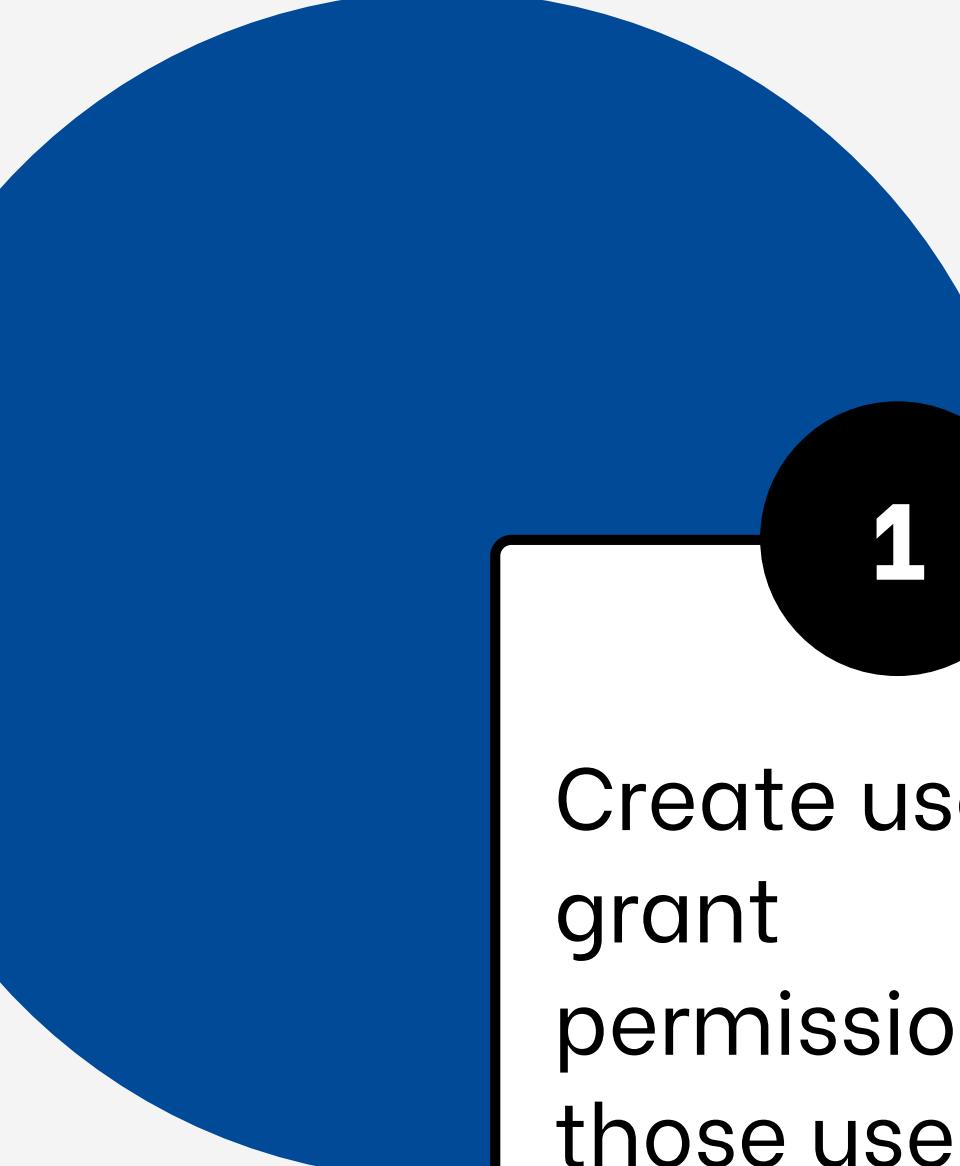
IAM



ooo

+

IAM allows you to manage users and their level of access to the AWS console



1

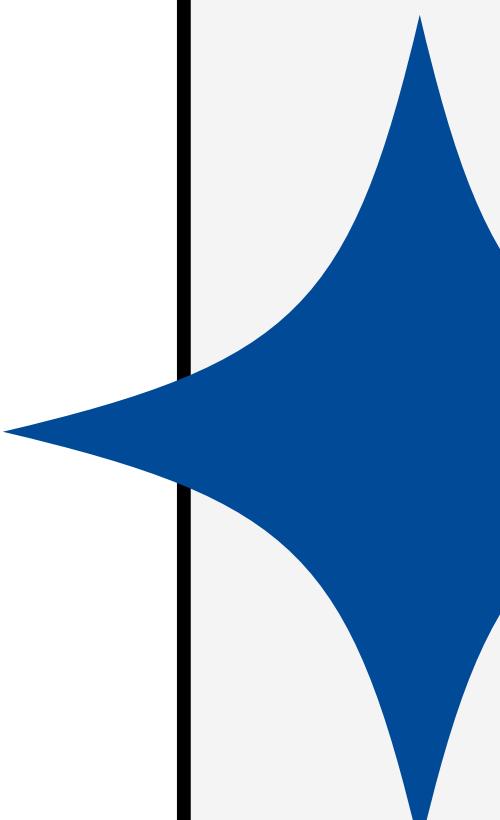
Create users and
grant
permissions to
those users

2

Create Groups
and roles

3

Control
access to
AWS
resources



4

Steps to Secure Your AWS Root Account



Enable multi-factor authentication on the root account.



Create an admin group for your administrators, and assign the appropriate permissions to this group.



Create user accounts for your administrators.

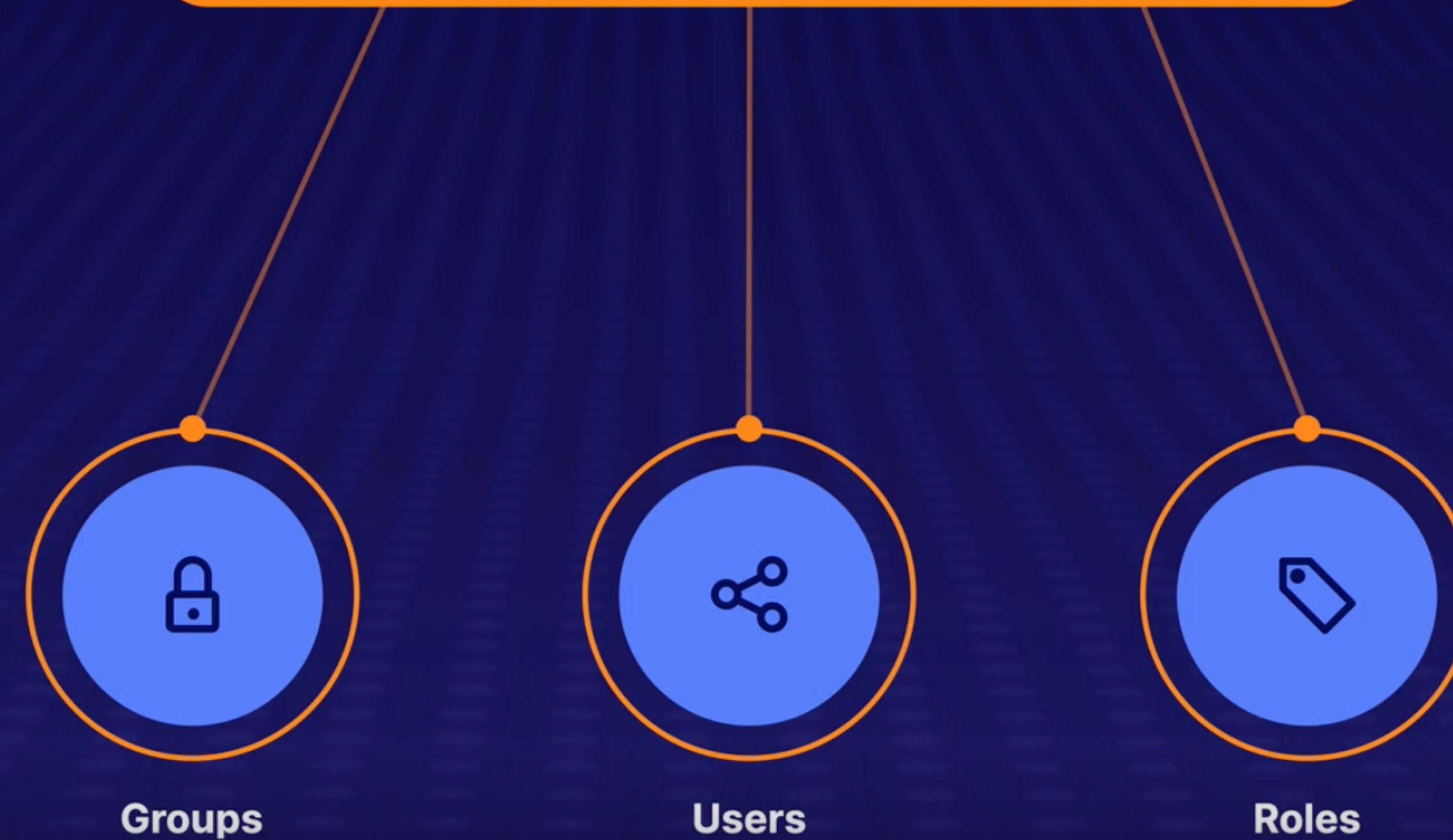


Add your users to the admin group.

Example of a Policy Document

```
{  
  "Version": "2012-10-17",  
  "Statement": [  
    {  
      "Effect": "Allow",  
      "Action": "*",  
      "Resource": "*"  
    }  
  ]  
}
```

IAM POLICY DOCUMENTS





The Building Blocks

of Identity and Access Management

Users

A physical person

Groups

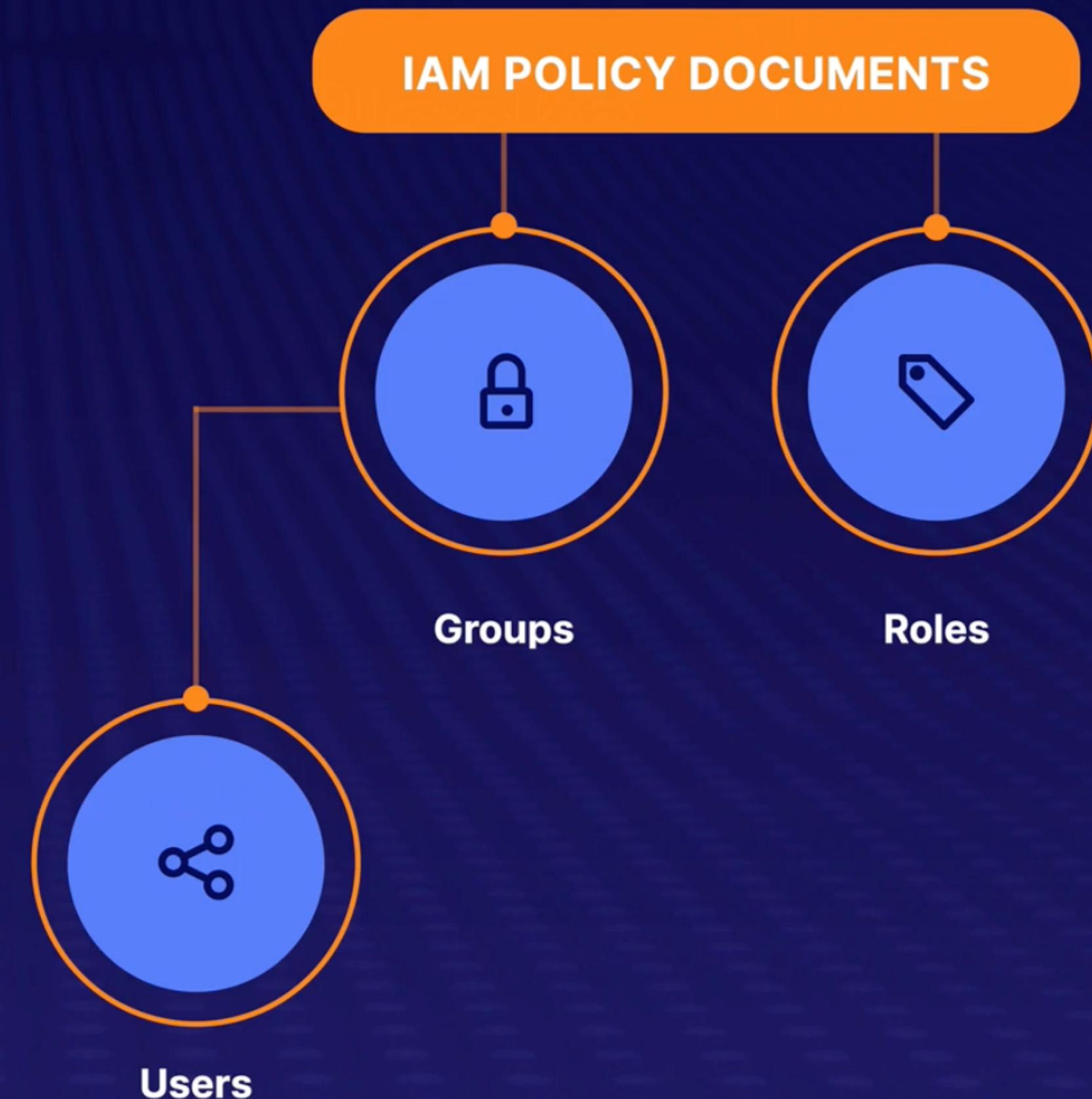
Functions, such as
administrator, developer, etc.
Contains users

Roles

Internal usage within AWS



**It's best practice for users
to inherit permissions
from groups**



The Principle of Least Privilege

Only assign a user the **minimum** amount of privileges they need to do their job.

Remember the following for the exam:

-  **IAM is Universal:** It does not apply to regions at this time.
-  **The Root Account:** This is the account created when you first set up your AWS account and it has complete admin access. Secure it as soon as possible and **do not** use it to log in day to day.
-  **New Users:** No permissions when first created.

Permanent IAM Credentials

Access key ID and secret access keys are not the same as usernames and passwords.

✓ You cannot use the access key ID and secret access key to log in to the console. However, you would use them to access AWS via the APIs and Command Line.

✓ **You only get to view these once.** If you lose them, you have to regenerate them. So, save them in a secure location.

✓ **Always set up password rotations.** You can create and customize your own password rotation policies.