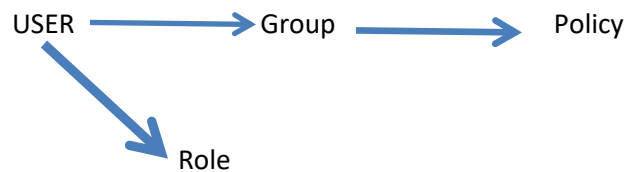
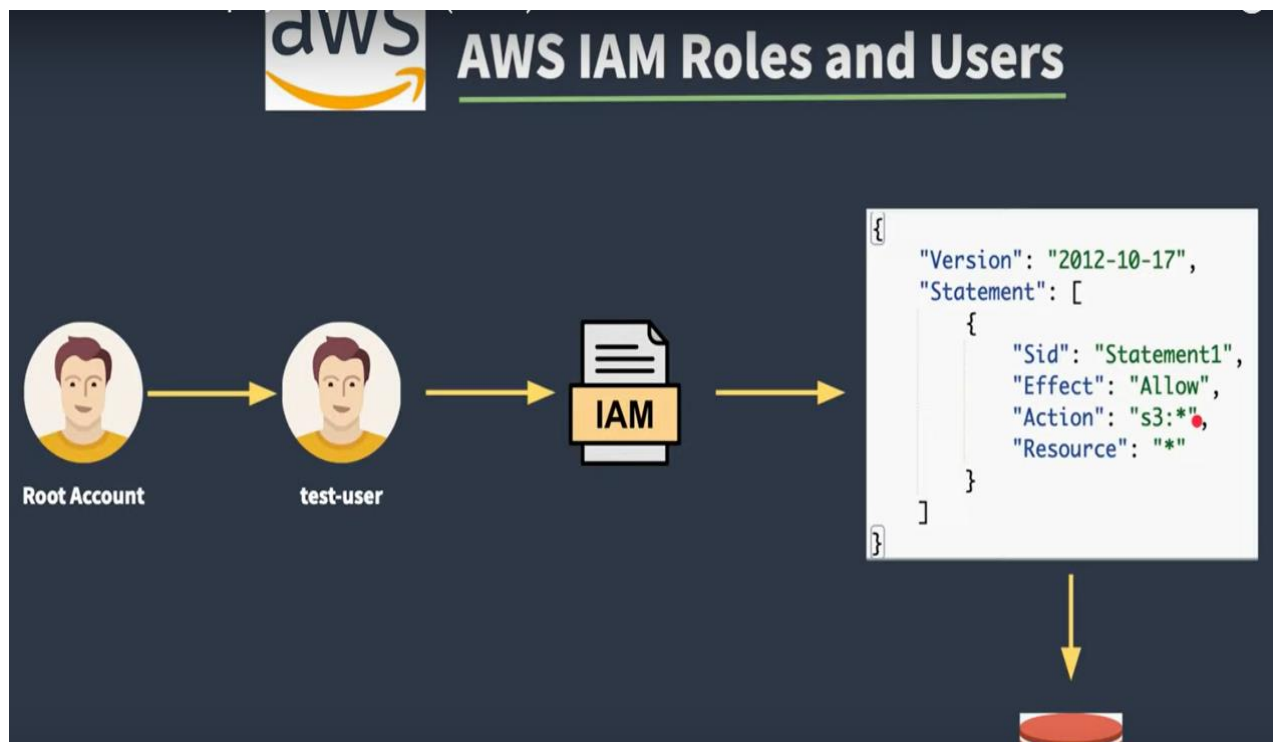
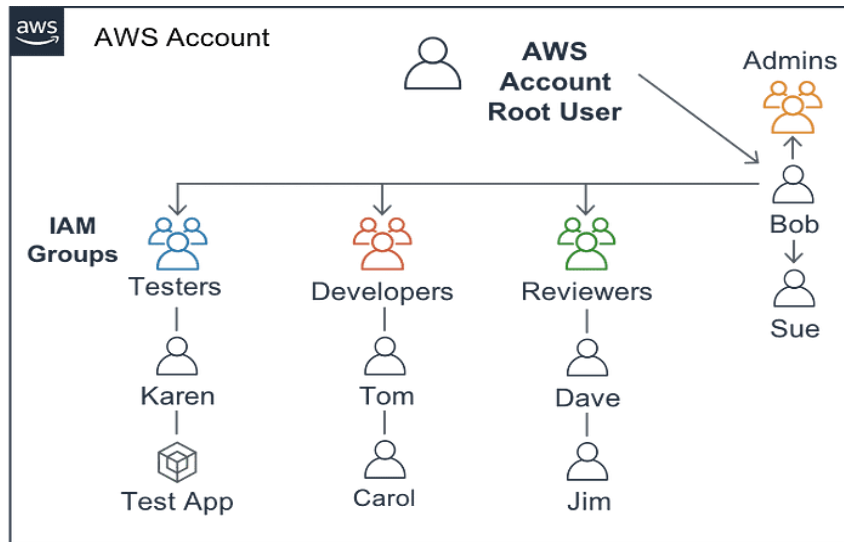


## Program 4 : IAM User creation



Root User: can manage IAM permissions, Billing and All Resources and their permissions

Group is a way of organizing users

Policy defines the permission

User can get permission directly or via group

Role for delegation and are assumed

Root user has full permission and should be avoided

Created new user by default will have no permission, use policies and prefer group

Amazon Recourse Name (ARN) and Regular name

### **Create Group**

add policy to group

add permission to group

User get permission via group

Policies are JSON documents and the policies are either Identity Based or Resource based

Service Control Policy (SCP) Do not grant permission but control the permissions available

### **Steps for creating IAM user with policy to access S3 bucket**

Log in as Root user → click on user identity(top right corner, you will not find Switch user ) and billing details will be there only in root user

Search IAM → IAM→ Users → Create user→ specify name→ Next→Add User to Group→ Next → Create user → Note down user ARN → Click Security credentials → Enable the Console access→ Enable→ Custom password → apply → Copy the Console sign-in URL, Username and Password

### **To Login as IAM user**

Paste the Console URL in browser → User name and password → Click on S3 → Bucket (Gets message do not have permission)

### **To Enable S3 service permission**

Login as Root User → IAM→Policy→Create policy →JSON→Next→Specify Policy name→Create Policy

### **Assign this Policy to the created User**

AWS→ IAM→Users→Test-user→Add Permissions→ Attach Policy directly → Select the policy created →Next →Add Permissions

### **To demonstrate the Policy Created**

Login to IAM user → S3 → Create bucket

### **To Delete a Policy for IAM User**

Login IAM user → User → Permission → Select the Permission created → Delete

### **To Create Group and Add user &policy**

Login as Root user→ User group → Specify group name → Create group

**To add user to group**

Click on the group created → Add user → Select the user to add

**To define the Policy to group**

Click on Group created → Permission → Add permission → Attach policies → Select the policy created

Reference video: <https://www.youtube.com/watch?v=bO25vbkoJIA&pp=0gcJCdgAo7VqN5tD>