





# Identity & Access Management (IAM)



# Why IAM?



**AWS Technical Lead**  
AddSource  
United States  
🔄 Actively Hiring  
📍   

Remote (US)

**Mandatory Skills:** -AWS, EC2, S3, Lambda, Step Functions, EMR, Event streaming technologies , Looking Glass, GitLab, Red Hat Linux 5.x/6.x, Windows 2008/2012, MS Build, Maven, Ruby, Shell scripts, Agile, IAM

Job Title: AWS Cloud Engineer/Architect

Job Description:

## Position Overview:

We are seeking a highly skilled AWS Cloud Engineer/Architect with a strong focus on Identity and Access Management (IAM) to join our dynamic team. As an essential member of our cloud team, you will play a crucial role in designing, implementing, and managing AWS cloud solutions while ensuring the highest levels of security and compliance.

# Components of IAM

## IAM Users

An Individual who has set of permissions is an ***IAM User***

Users have credentials to make API calls in order to communicate with AWS resources

## IAM Groups

A Collection of IAM users is called as ***IAM Groups***

All the IAM users in a group can access the permissions assigned to that group

## IAM Policies

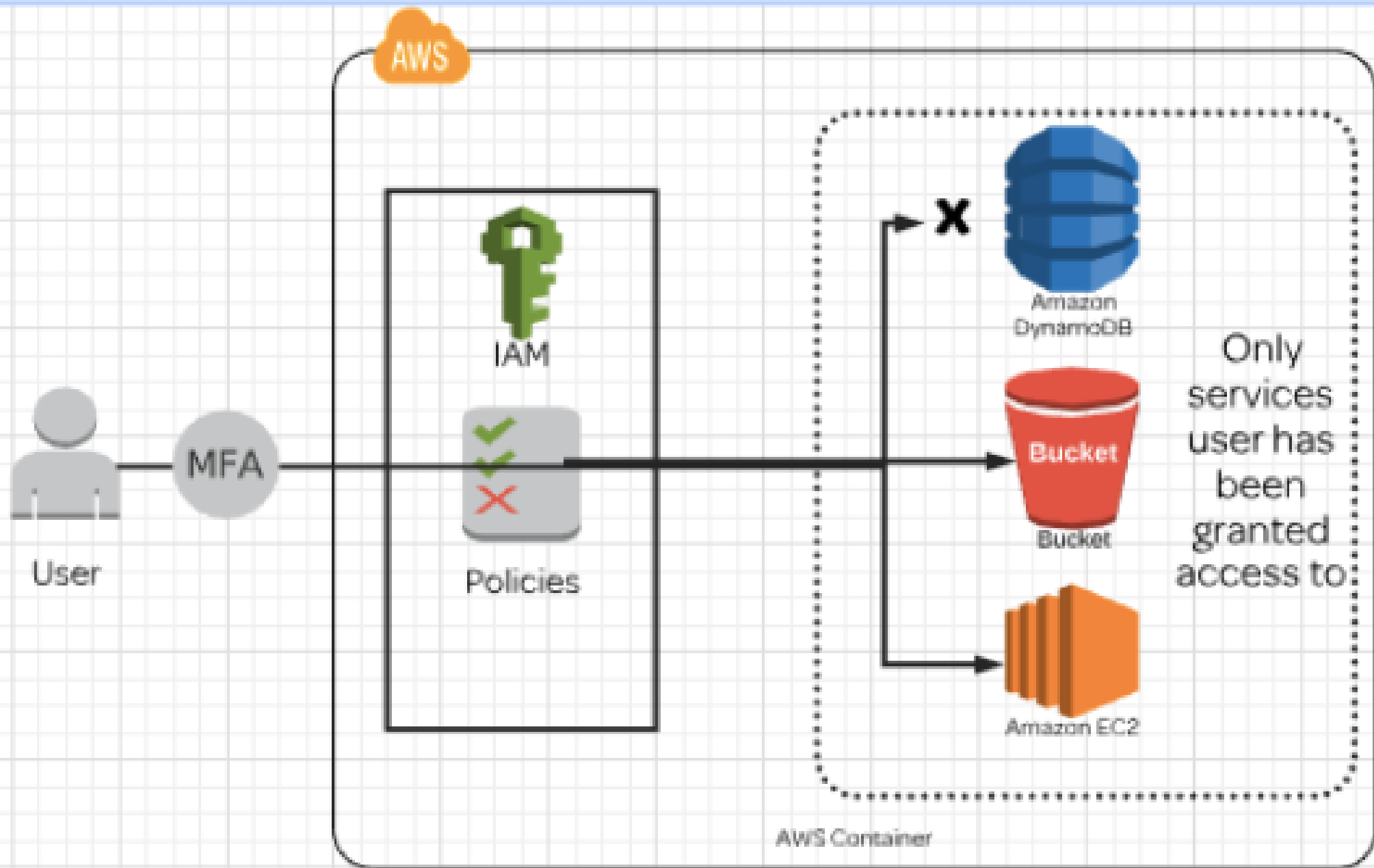
***IAM Policies***  
Specifies those permissions that you want to acquire

## IAM Roles

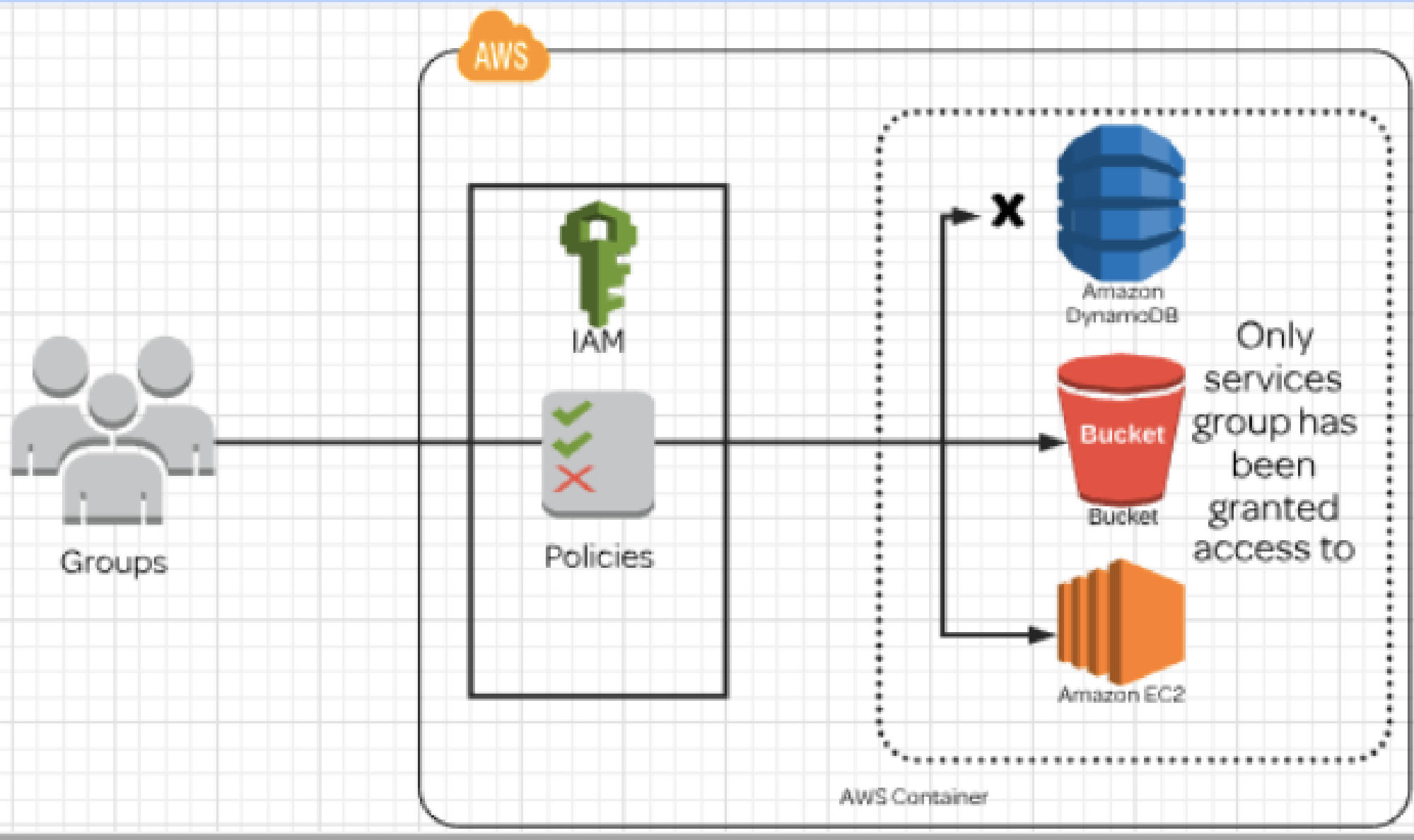
***IAM Roles*** define set of permissions for making AWS service requests

IAM Roles are basically assigned to the applications

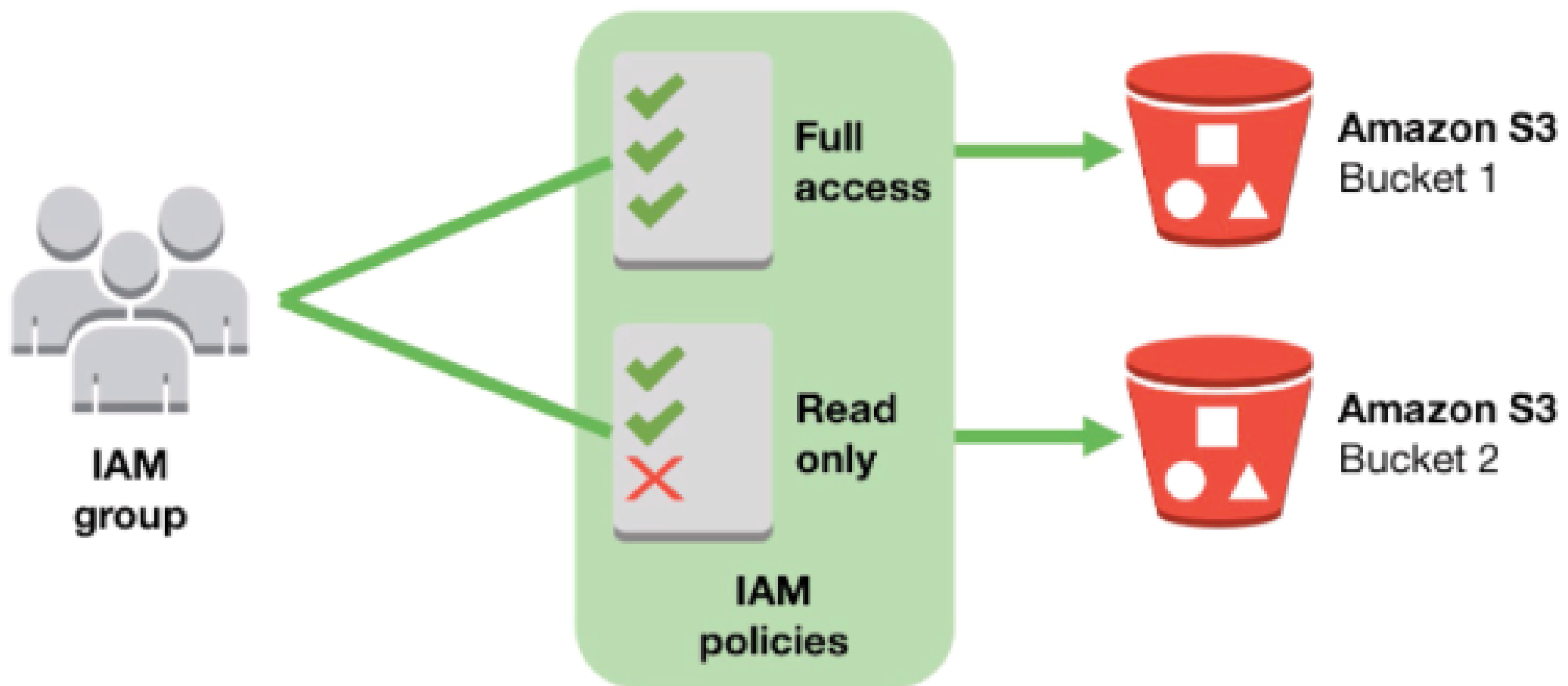
# IAM: Users



# IAM: Group



# IAM: Policy



# IAM: Roles

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users
- Roles**
- Policies
- Identity providers
- Account settings

Access reports

IAM > Roles

Roles (51) Info

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

Search

< 1 2 3 > ⌂

☐

Role name

▼

Trusted entities

<input type="checkbox"/>	AmazonEKSLoadBalancerControlRole	Identity Provider: amcaws:iam::423357588208:oidc-provider/oidc.eks.us-east
<input type="checkbox"/>	AmazonSSMRoleForInstancesQuickSetup	AWS Service: ec2
<input type="checkbox"/>	aws-codestar-service-role	AWS Service: codestar
<input type="checkbox"/>	aws-elasticbeanstalk-ec2-role	AWS Service: ec2

**Explore Security/ IAM Management from the video**

Link is in the Description



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