

IAM

(Identity Access Management)



```

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  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "VisualEditor0",
      "Effect": "Allow",
      "Action": "s3:*",
      "Resource": "*"
    },
    {
      "Sid": "VisualEditor1",
      "Effect": "Deny",
      "Action": "s3:DeleteBucket",
      "Resource": [
        "arn:aws:s3:::my-demo-bucket",
        "arn:aws:s3:::my-application-bucket"
      ]
    }
  ]
}

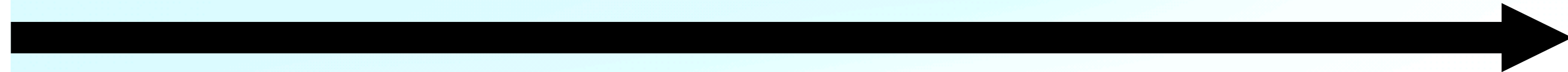
```

2. Explicit Allow

1. Explicit Deny

3. Deny (Implicit)

User Name & Password



Access Keys

Amazon Resource Name (ARN)

Uniquely identify resources within any AWS accounts

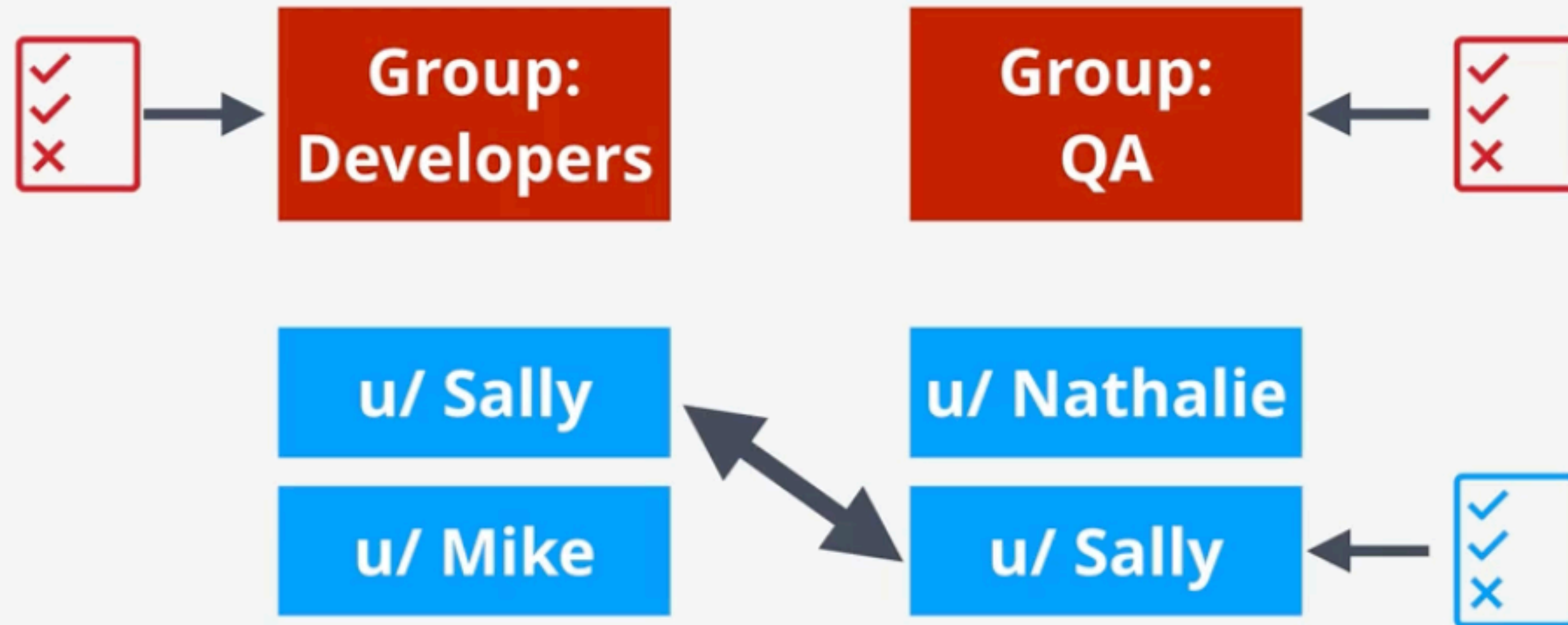
arn:partition:service:region:account-id:resource-id

arn:partition:service:region:account-id:resource-type/resource-id

arn:partition:service:region:account-id:resource-type:resource-id

- * 5000 IAM users**
- * IAM user can be member of 10 groups**
- * Cons:**
 - * Internet-Scale applications**
 - * Large organisations**

IAM Groups are containers for users

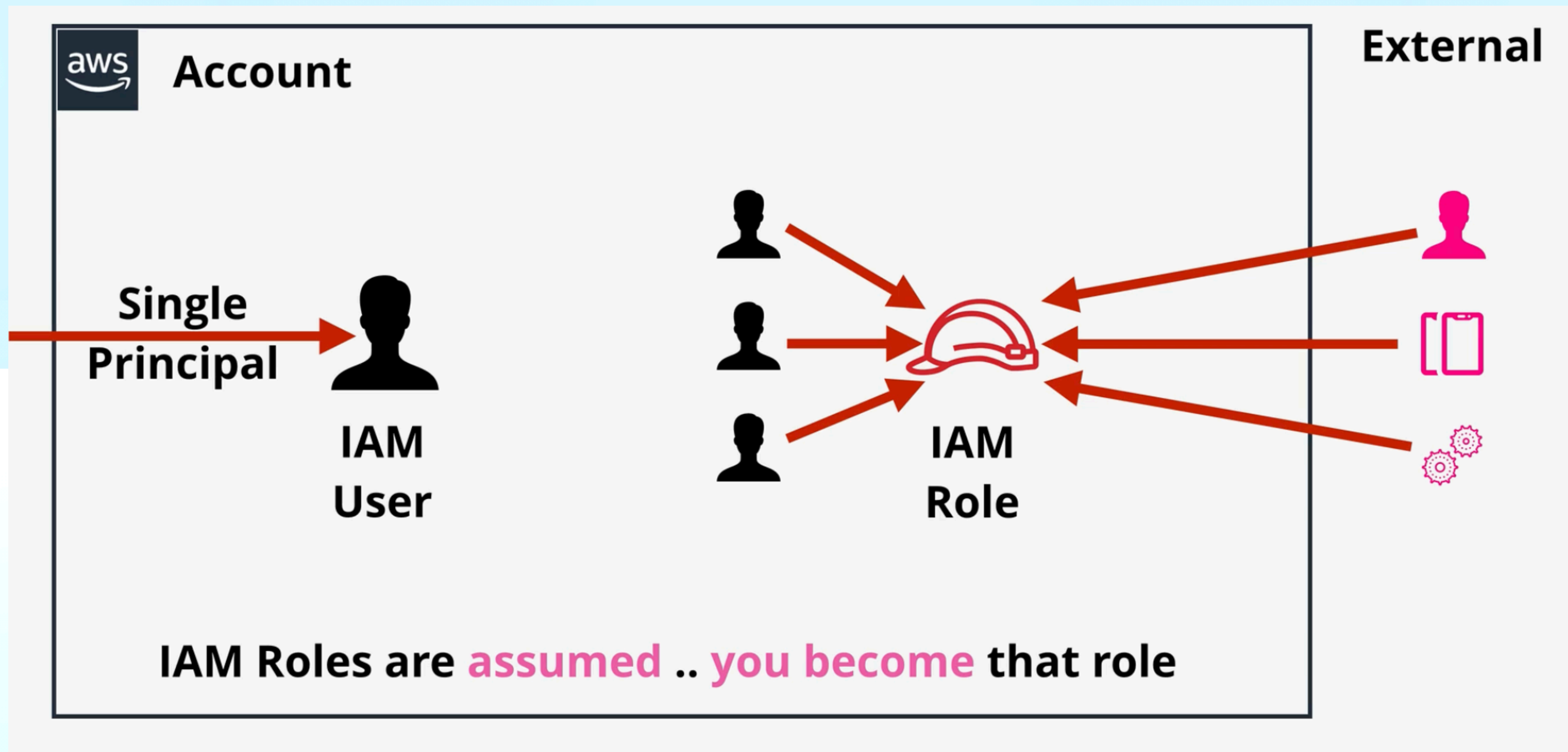


Inline

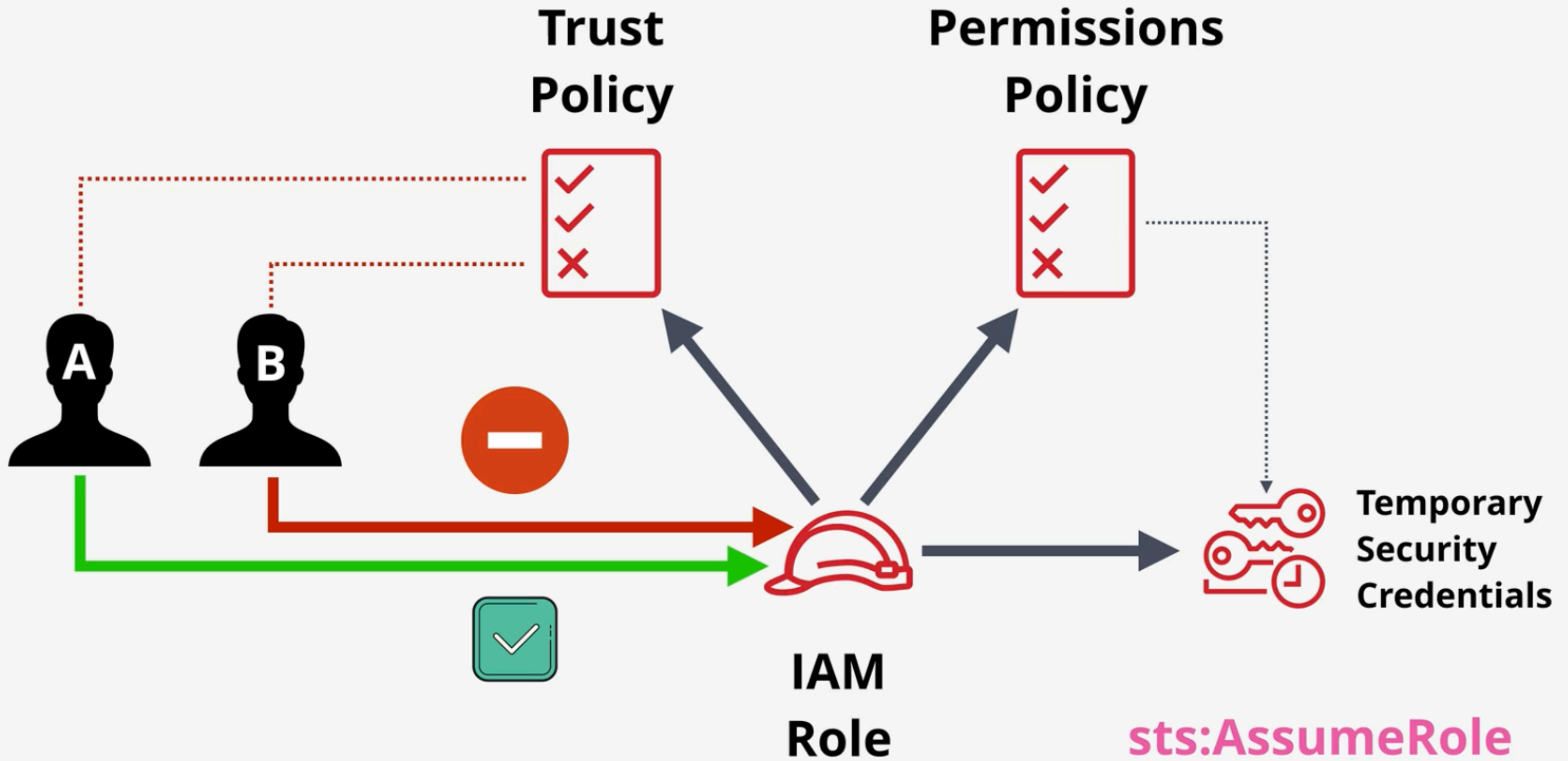
Managed

300 Groups

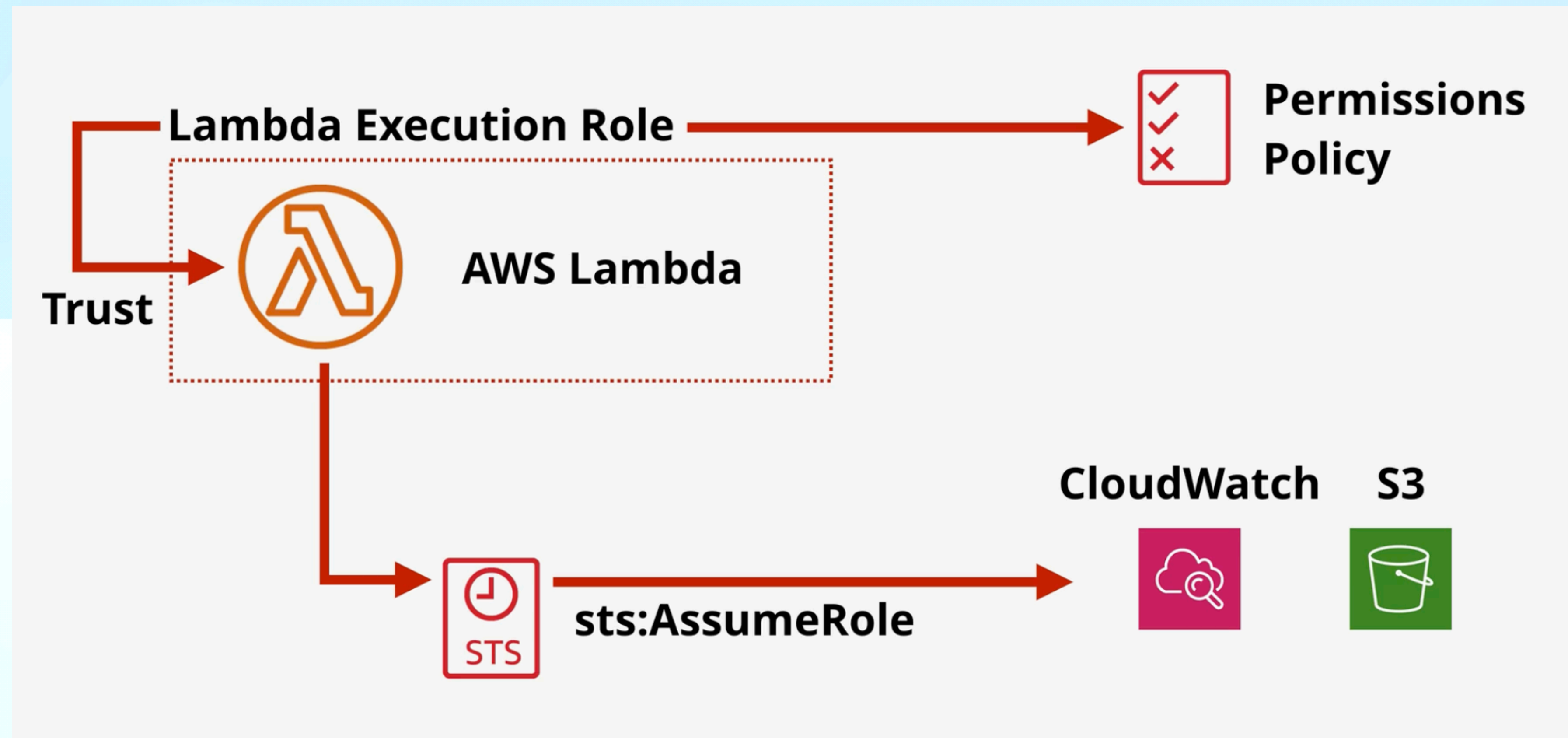
Roles



Roles



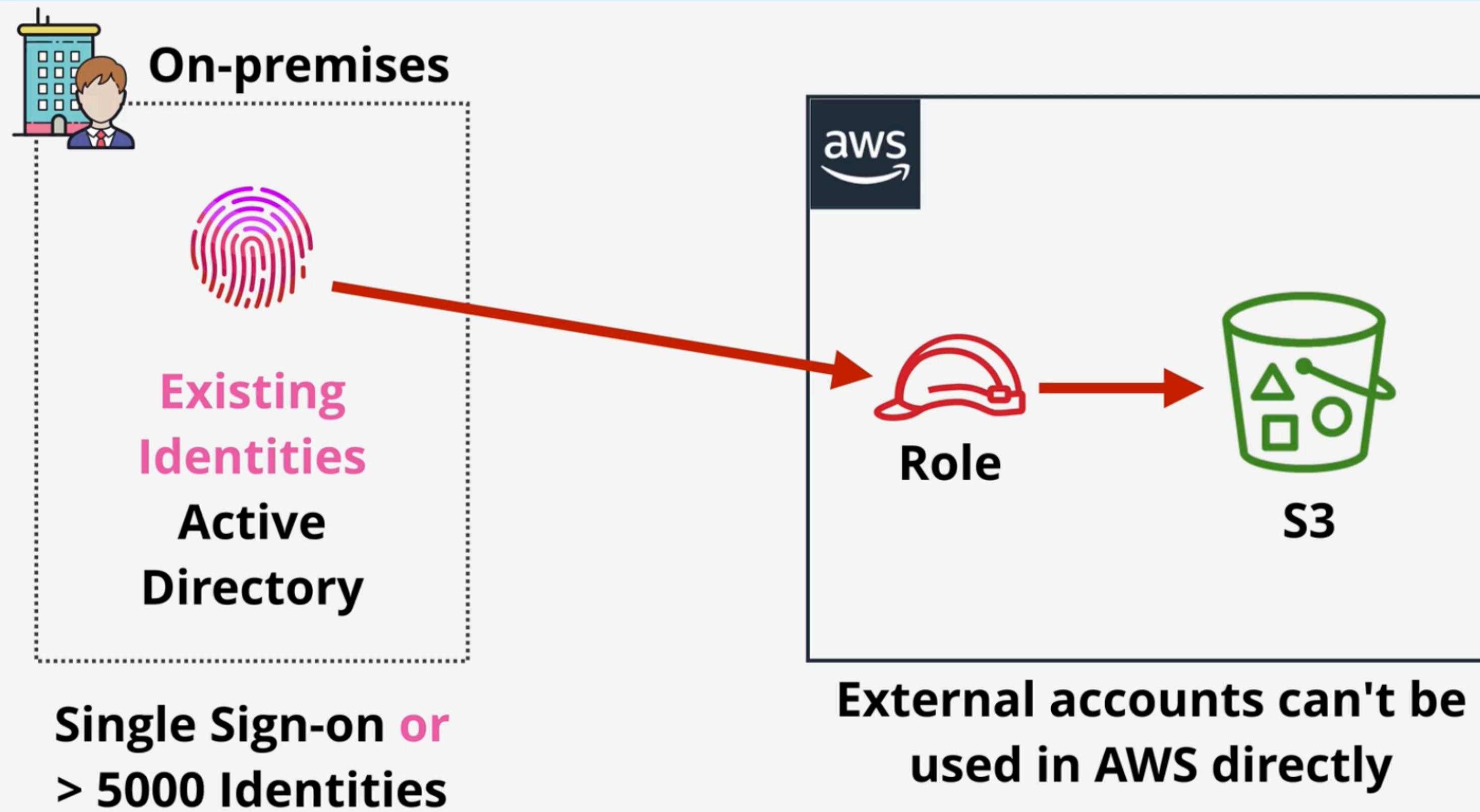
Case studies



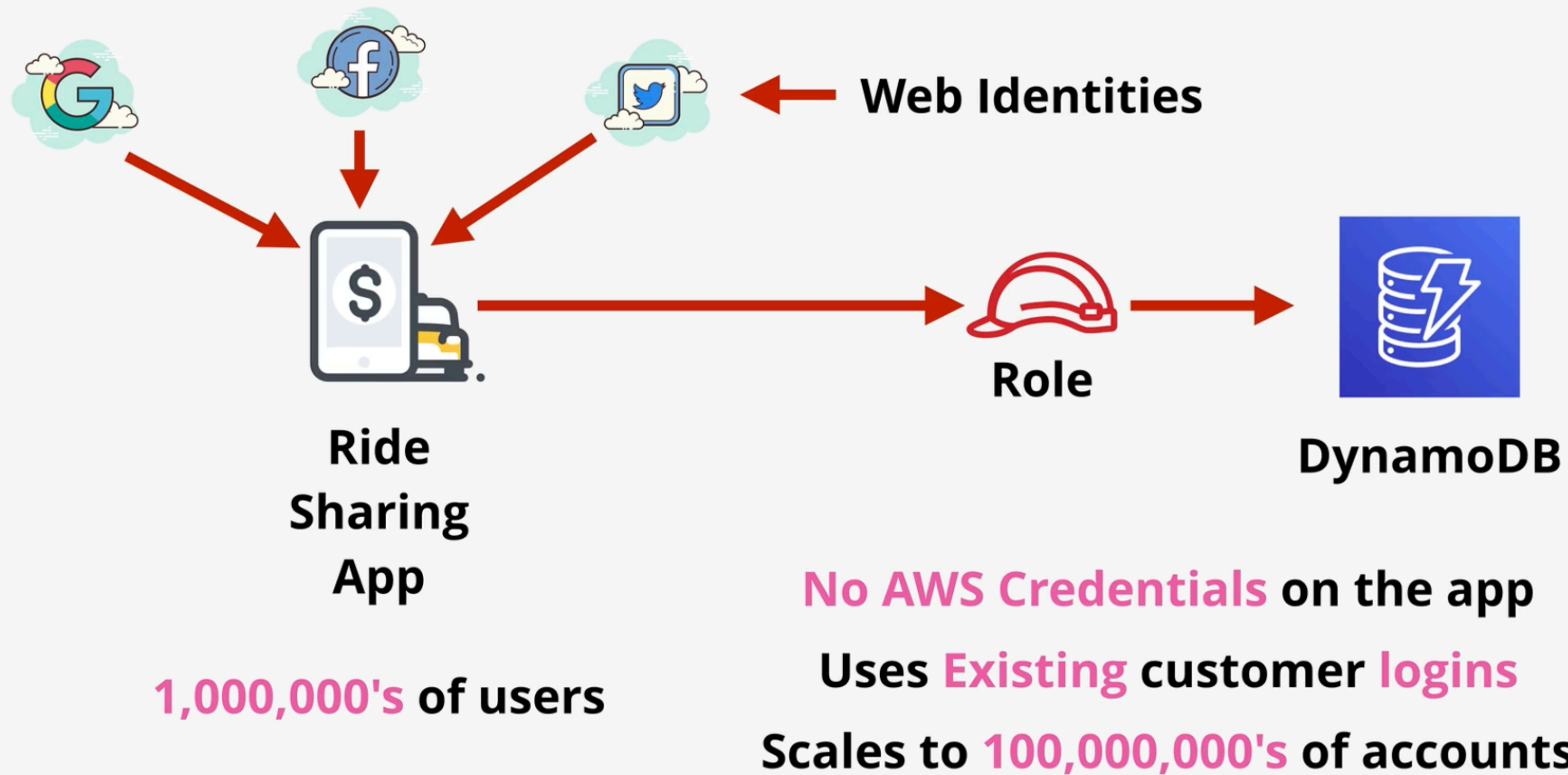
Case studies



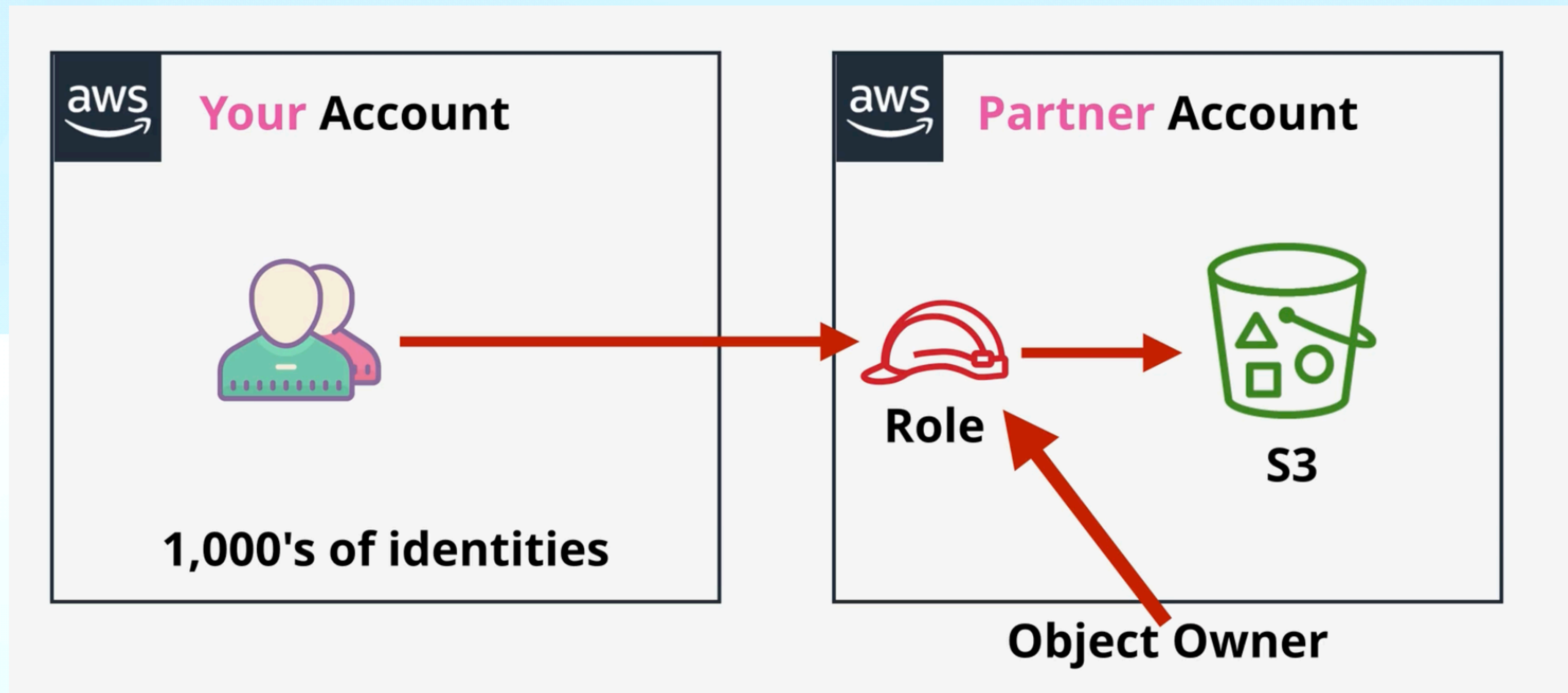
Case studies



Case studies



Case studies



QUIZ TIME

Q & A