IAM role & policy for s3 - attach it to EC2

ec2-profile   role-for-s3-will-attach-...   attach-policy-to-role   policy-for-s3
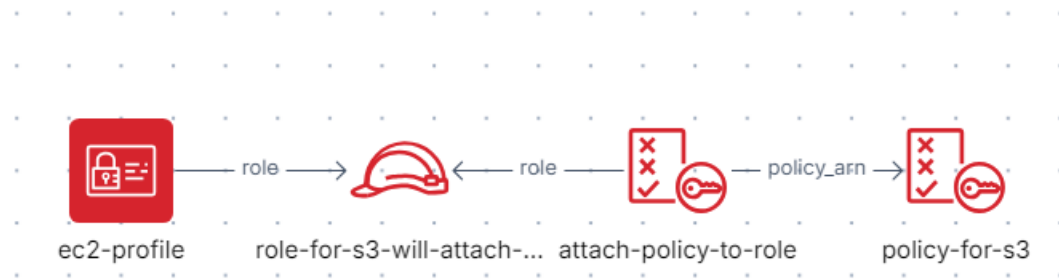
```
resource "aws_iam_policy" "policy-for-s3" {
  name = "policy-for-s3"
  policy = jsonencode({
    Version = "2012-10-17"
    Statement = [
      {
        Action = [
          "s3:GetObject",
          "s3:ListBucket"
        ]
        Effect = "Allow"
        Resource = "*"
      }
    ]
  })
}


resource "aws_iam_role_policy_attachment" "attach-policy-to-role" {
  role = aws_iam_role.role-for-s3-will-attach-to-ec2.name
  policy_arn = aws_iam_policy.policy-for-s3.arn
}

# Creates an instance profile that associates the IAM role with EC2 instances.
resource "aws_iam_instance_profile" "ec2-profile" {
  name = "ec2-profile"
  role = aws_iam_role.role-for-s3-will-attach-to-ec2.name
}
```

Roles (3) 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 a

🔍 Search

	Role name ▲	Trusted entities
☐	[AWSServiceRoleForSupport](#)	AWS Service: support (Service-Linked
☐	[AWSServiceRoleForTrustedAdvisor](#)	AWS Service: trustedadvisor (Service
☐	[roleForS3](#)	AWS Service: ec2

roleForS3 Info

Delete

Summary

Edit

Creation date
January 16, 2025, 20:49 (UTC+01:00)

ARN
📋 arn:aws:iam::590184081764:role/roleForS3

Instance profile ARN
📋 arn:aws:iam::590184081764:instance-profile/ec2-profile

Last activity
-

Maximum session duration
1 hour

Permissions Trust relationships Tags Last Accessed Revoke sessions

Permissions policies (1/1) Info

You can attach up to 10 managed policies.

🔄 Simulate ⤢ Remove Add permissions ▼

Filter by Type

🔍 Search

All types ▼

‹ 1 › ⚙

☑	Policy name ⤢ ▲	Type ▽	Attached entities ▽
☑	⊟ [policy-for-s3](#)	Customer managed	1

policy-for-s3

📋 Copy JSON Edit ⤢

```
1  {
2      "Statement": [
3          {
4              "Action": [
5                  "s3:GetObject",
6                  "s3:ListBucket"
7              ],
8              "Effect": "Allow",
9              "Resource": "*"
10         }
11     ],
12     "Version": "2012-10-17"
13 }
```

Policies (1319) Info

A policy is an object in AWS that defines permissions.

Filter by Type

🔍 policy- ✕

All types ▼

	Policy name ▲	Type ▽	Used as
○	⊞ [policy-for-s3](#)	Customer managed	Permissions policy (1)