

1. Go to AWS Management Console
2. Go to IAM Service
3. Click on Users
4. Select Add User
5. Give a proper username
6. Select access type as programmatic or AWS Management Console. Console access is required when you need to access the AWS website to configure settings through GUI
Programmatic Access is required for developers who want to have CLI or SDK access
7. Let us go with Console Access
8. You can set a password of your choice or autogenerate it
9. You have an option where user can set a new password on signing in.
10. Then you have to apply some kind of permissions
11. Select attach existing policies directly
12. Select the S3FullAccessPolicy
13. Add tags if you want which is an optional step
14. Click on create user
15. Now you'll get a link by which you can sign in to the console using this user. Alternatively you can sign in with account number, username and password.
16. Next go to Groups
17. Click on Create New Group
18. Give the name of Administrators
19. Attach AdministratorAccess policy to the group.
20. Click on Create Group
21. Select the group and add users to the group. All users will have the same permissions.
22. Next lets go to EC2 Service
23. Click on create instance
24. Select launch instance
25. Select Amazon Linux 2 AMI
26. Select t2.micro instance
27. Under Instance details select IAM Role
28. Click on create new IAM Role
You'll be taken to the IAM page. You can create a role from here or even by directly going to the page
29. Click on create role
30. Select EC2 as the service which will use this role
31. Select S3ReadOnlyAccess.
32. Now go back to EC2 Page. Select the role you created now
33. Rest of the options keep default similar to EC2 Demo and launch the instance. Ensure you are adding 22 as the SSH port number for security group
34. Click on Launch
35. Connect to the instance via EC2 Instance Connect or Putty
36. Once you are on the instance run
`aws s3 ls`
You should be able to see the bucket. If you do not have the role attached you will not be able to see the buckets in the AWS Account.
This is how roles let you access one service from another AWS service. You can optionally apply a role to the instance after creating the instance as well.