



Create an Overprivileged Role.

```
(venv)-(ajay@kali)-[~/Desktop/CyArt]
$ aws iam create-role \
> --role-name OverprivilegedRole \
> --assume-role-policy-document '{
quote> "Version": "2012-10-17",
quote> "Statement": [
quote> {
quote> "Effect": "Allow",
quote> "Principal": {"Service": "ec2.amazonaws.com"},
quote> "Action": "sts:AssumeRole"
quote> }
quote> ]
quote> }' \
> --endpoint-url $AWS_ENDPOINT_URL
{
  "Role": {
    "Path": "/",
    "RoleName": "OverprivilegedRole",
    "RoleId": "AROQAQAAAAAAKUT4ZILFE",
    "Arn": "arn:aws:iam::000000000000:role/OverprivilegedRole",
    "CreateDate": "2025-09-17T16:56:14.490952+00:00",
    "AssumeRolePolicyDocument": {
      "Version": "2012-10-17",
      "Statement": [
        {
          "Effect": "Allow",
          "Principal": {
            "Service": "ec2.amazonaws.com"
          },
          "Action": "sts:AssumeRole"
        }
      ]
    }
  }
}
```

Fig 1.2 Over-privileged role being created

Attach Admin Policy to it

```
(venv)-(ajay@kali)-[~/Desktop/CyArt]
$ aws iam attach-role-policy \
--role-name OverprivilegedRole \
--policy-arn arn:aws:iam::aws:policy/AdministratorAccess \
--endpoint-url $AWS_ENDPOINT_URL

(venv)-(ajay@kali)-[~/Desktop/CyArt]
$
```

Fig 1.3 Admin policy added to overprivilege role

```
(venv)-(ajay@kali)-[~/Desktop/CyArt]
$ aws iam list-roles --endpoint-url $AWS_ENDPOINT_URL
{
  "Roles": [
    {
      "Path": "/",
      "RoleName": "OverprivilegedRole",
      "RoleId": "AROQAQAAAAAAKUT4ZILFE",
      "Arn": "arn:aws:iam::000000000000:role/OverprivilegedRole",
      "CreateDate": "2025-09-17T16:56:14.490952+00:00",
      "AssumeRolePolicyDocument": {
        "Version": "2012-10-17",
        "Statement": [
          {
            "Effect": "Allow",
            "Principal": {
              "Service": "ec2.amazonaws.com"
            },
            "Action": "sts:AssumeRole"
          }
        ]
      },
      "MaxSessionDuration": 3600
    }
  ]
}
```

Assume Overprivileged Role

[illegible]

3



Now export the Temporary Credentials and test admin privileges.

```
(venv)-(ajay@kali)-[~/Desktop/CyArt]
$ aws iam list-users --endpoint-url $AWS_ENDPOINT_URL
{
  "Users": []
}

(venv)-(ajay@kali)-[~/Desktop/CyArt]
$ aws iam create-user --user-name TestUser --endpoint-url $AWS_ENDPOINT_URL
{
  "User": {
    "Path": "/",
    "UserName": "TestUser",
    "UserId": "v1gsf9favepvgbtptyd6",
    "Arn": "arn:aws:iam::000000000000:user/TestUser",
    "CreateDate": "2025-09-17T17:04:48.921580+00:00"
  }
}

(venv)-(ajay@kali)-[~/Desktop/CyArt]
$
```

Fig 1.6 Test IAM role being created

Now attach policy to role

```
(venv)-(ajay@kali)-[~/Desktop/CyArt]
$ aws iam attach-user-policy \
--user-name TestUser \
--policy-arn arn:aws:iam::aws:policy/AdministratorAccess \
--endpoint-url $AWS_ENDPOINT_URL
```

Fig 1.7 User Policy being attached

Now verify Policies and cleanup and after that detach polices,IAM users and roles.



```
Apps | Plans | Sep 17 22:46 | [root@jyphail ~]# Desktop/CyArt

--(verify)-(ajay@kali)-[~/Desktop/CyArt]
$ aws iam list-attached-role-policies --role-name OverprivilegedRole --endpoint-url $AWS_ENDPOINT_URL
{
  "AttachedPolicies": [
    {
      "PolicyName": "AdministratorAccess",
      "PolicyType": "AWSManagedPolicy/AdministratorAccess"
    }
  ]
}

--(verify)-(ajay@kali)-[~/Desktop/CyArt]
$ aws iam detach-user-policy \
  --user-name TestUser \
  --policy-arn arn:aws:iam::aws:policy/AdministratorAccess \
  --endpoint-url $AWS_ENDPOINT_URL

--(verify)-(ajay@kali)-[~/Desktop/CyArt]
$ aws iam delete-user --user-name TestUser --endpoint-url $AWS_ENDPOINT_URL

--(verify)-(ajay@kali)-[~/Desktop/CyArt]
$ aws iam delete-role --role-name TestUser --endpoint-url $AWS_ENDPOINT_URL
An error occurred (NoSuchEntity) when calling the DeleteRole operation: Role TestUser not found

--(verify)-(ajay@kali)-[~/Desktop/CyArt]
$ aws iam delete-role --role-name OverprivilegedRole --endpoint-url $AWS_ENDPOINT_URL
An error occurred (DeleteConflict) when calling the DeleteRole operation: Cannot delete entity, must detach all policies first.

--(verify)-(ajay@kali)-[~/Desktop/CyArt]
$ aws iam list-users --endpoint-url $AWS_ENDPOINT_URL
{
  "Users": []
}

--(verify)-(ajay@kali)-[~/Desktop/CyArt]
$ [1]
```

Fig 1.8 Deleting users