

AWS zero-2-hero Day 3

1) Make a Private S3 Bucket in AWS (Without Making It Public)

Steps:

- - Go to your AWS account
- - Search for S3 in the AWS console
- Click on "Create bucket"

General Configuration:

- - Bucket type: General purpose
- - Bucket name: myawsbucket
- - Object Ownership: ACLs disabled
- - Block Public Access settings: Check "Block all public access"
- - Bucket Versioning: Disabled
- - Leave all other settings as default
- - Click on "Create bucket"

2) Configure AWS CLI on Your Ubuntu Machine

Step 1: Install AWS CLI

```
sudo apt update
sudo apt install unzip -y
curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
unzip awscliv2.zip
sudo ./aws/install
```

Step 2: Verify Installation

```
aws --version
```

Step 3: Configure AWS CLI with IAM Credentials

```
aws configure
```

Provide the following:

- - AWS Access Key ID
- - AWS Secret Access Key
- - Default region (e.g., us-east-1)

- - Output format (json, table, or text)

3) Create an EC2 Instance Using AWS CLI

Step 1: Create a Key Pair

```
aws ec2 create-key-pair --key-name MyKeyPair --query 'KeyMaterial' --output text >
MyKeyPair.pem
chmod 400 MyKeyPair.pem
```

Step 2: Create a Security Group

```
aws ec2 create-security-group --group-name my-sg --description "My security group"
```

Step 3: Add Inbound Rules

- ```
aws ec2 authorize-security-group-ingress --group-id sg-xxxxxx --protocol tcp --port 22 --
cidr 0.0.0.0/0
aws ec2 authorize-security-group-ingress --group-id sg-xxxxxx --protocol tcp --port 80 --
cidr 0.0.0.0/0
aws ec2 authorize-security-group-ingress --group-id sg-xxxxxx --protocol tcp --port 443 --
cidr 0.0.0.0/0
```

Step 4: Launch EC2 Instance

- ```
aws ec2 run-instances \
  --image-id ami-0fc5d935ebf8bc3bc \
  --instance-type t2.micro \
  --key-name MyKeyPair \
  --security-groups my-sg \
  --region us-east-2
```

4) Set Up AWS IAM for a New Team Member (Alex)

Step-by-Step:

- - Go to your AWS account
- - Search for IAM
- - From the IAM Dashboard:
 - - Click on Users

- - Click Create user

Add User Details:

- - User Name: Alex
- - Click Next

Set Permissions:

- - Choose Attach policies directly
- - Add the following policies:
 - - AmazonS3FullAccess
 - - AmazonEC2ReadOnlyAccess
- - Click Next → then Create User

IAM Console Access for Alex

- - Click on the user 'Alex'
- - Go to Security credentials
- - In Console sign-in, click Enable console access

Console Access Setup:

- - Set a custom password
- - Check: 'User must create a new password at next sign-in'
- - Click on Enable console access
- - Download the .csv file with sign-in info
- - Share the login info with Alex