Steps to Deploy Angular Application using Amazon Web services

To deploy on AWS we have to create AWS account by following below steps

1. Go to the https://aws.amazon.com/

2. Choose Sign Up.

3. Type the requested account information, and then choose Continue.

4. Choose Personal or Professional. In our case select Personal.
Note: These two account types are identical in functionality.

5. Type the requested company or personal information.

6. Read the AWS Customer Agreement, and then check the box.

7. Choose Create Account and Continue.

Add a payment method :

On the Payment Information page, type the requested information associated with your payment method. If the address for your payment method is the same as the address you provided for your account, choose Secure Submit.

Otherwise, choose Use a new address, type the billing address for your payment method, and then choose Secure Submit.

We have to provide our Debit card or Credit card details.
AWS deduct 2 rupees from our account for account verification. I will get credited in our account within one week.

Verify your phone number :

1. On the Phone Verification page, type a phone number that you can use to accept incoming phone calls.

2. Enter the code displayed in the captcha.

3. When you're ready to receive a call, choose Call me now. In a few moments, an automated system will call you.

4. Type the provided PIN on your phone's keypad. After the process is complete, choose Continue.

After following all the above steps successfully our AWS account gets created.

Now we can deploy our application using below steps

Step 1 : Sign in to AWS account by entering your password.

Step 2 : Select Services -> Storage -> S3 option.

Step 3 : Press “Create Bucket” button.

Step 4 : Enter unique bucket name.

Step 5 : Select region as Asia Pacific (Mumbai)

Step 6 : Press “Create” button.

Step 7 : Select the name of created bucket and select “Properties” option

Step 8 : Select “Static Website Hosting” option.

Step 9 : Check “Use this bucket to host a website” as a option.

Step 10 : Enter “index.html” as index document and error document.

Step 11 : Press “Save” button

Step 12 : Again select the name of created bucket and select “Permissions” option

Step 13 : Press “Bucket Policy” button.

Step 14 : Press Documentation option.

Step 15 : Select “Bucket Policy Examples”

Step 16 : Copy the setting from “Granting Read-Only Permission to an Anonymous User” option.

Step 17 : Paste that setting into Permissions that we open in step 12.

```
 "Version":"2012-10-17",
 "Statement":[
   {
     "Sid":"AddPerm",
     "Effect":"Allow",
     "Principal": "*",
     "Action":["s3:GetObject"],
     "Resource":["arn:aws:s3:::examplebucket/*"]
   }
 ]
}”
```

Step 18 : Remove examplebucket and replace with your bucket name.

Step 19 : Press save button.

Step 20 : Select our bucket name -> Properties- > Overview -> Upload.

Step 21 : To upload the files we have to build our angular project by using below command
ng build - - prod - - aot

Step 22 : Upload all file from Dist folder of our project by pressing “Add files” button.

Step 23 : Again go to Properties->Static Sebsite hosting and click the url under Endpoint tag which opens your hosted application.