8 Angular Deployement + CLI (22)

Session_22_Deployement(optimizations-final)

285. Preparation Steps

For the third the explanation is the following:
- Since the server is automatically checking if the routing can be found or not, it wll provide as default the 404 page error. Which is not good, since all of our routing is handled by angular.
So instead of returning 404 it should return the angular index html, which contains the routing handling.

286. Deploying with AWS.

0. Install Angular CLI
npm install -g angular-cli
https://github.com/angular/angular-cli/issues/1183
https://cli.angular.io/

1. Create an aws s3 free webserice hosting
https://console.aws.amazon.com/s3/buckets/

2. Declare the root file + the 404 handling file a the static webpage

3. Grant read-only permissions to the anonymus users.

https://docs.aws.amazon.com/AmazonS3/latest/dev/example-bucket-policies.html#example-bucket-policies-use-case-2

At Permissions/Bucket Policy (public) the following code should be there

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

```
    }
  ]
}
```

4. Minify your angular app with the following CLI command.
ng build --prod --aot it will create a **dist** folder with all of the necessary files for the project.

5. Take a close look at the **basefile** if your angular app is not the root app on your domain like **www.example.com/** instead you want to store it on a subroute like this **www.example.com/my-app/** to be this the rootapp for our angular, you have to modify the <base> tag at the **index.html**

```
<!doctype html>
<html>
<head>
  <meta charset="utf-8">
  <title>Angular - The Complete Guide</title>
  <base href="/">

  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="icon" type="image/x-icon" href="favicon.ico">
</head>
<body>
  <app-root>Loading...</app-root>
</body>
</html>
```

6. Drag and drop the existing files from the **dist.zip** to the aws and it is working!

https://d2c5p2egbtaxna.cloudfront.net/