First we create the react App

npx create-react-app <folder name>

cd <folder name>

yarn start

in package.json under scripts

"deploy": "aws s3 sync build/ s3://cognito-workshop-workshop",

[Deploy ReactJS App with S3 Static Hosting | by Serverless Guru | Serverless Guru | Medium](https://medium.com/serverlessguru/deploy-reactjs-app-with-s3-static-hosting-f640cb49d7e6)

Setting up S3 hosting

If you see “Object can be made public”, you need to add Bucket Policy.

"Version": "2012-10-17",

"Statement": [

{

"Effect": "Allow",

"Principal": "\*",

"Action": "s3:GetObject",

"Resource": "arn:aws:s3:::cognito-workshop-workshop/\*"

}

]

}

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authentications

<https://aws.amazon.com/getting-started/projects/build-serverless-web-app-lambda-apigateway-s3-dynamodb-cognito/module-2/>

Add an App to Your User Pool

From the Amazon Cognito console select your user pool and then select the App clients section. Add a new app client and make sure the Generate client secret option is deselected. Client secrets aren't currently supported with the JavaScript SDK. If you do create an app with a generated secret, delete it and create a new one with the correct configuration.

1. From the Pool Details page for your user pool, select App clients from the left General Settings section in the navigation bar.
2. Choose Add an app client.
3. Give the app client a name such as WildRydesWebApp.
4. Uncheck the Generate client secret option. Client secrets aren't currently supported for use with browser-based applications.
5. Choose Create app client.
6. Note the App client id for the newly created application.

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<https://docs.aws.amazon.com/cognito/latest/developerguide/amazon-cognito-user-pools-using-tokens-verifying-a-jwt.html>

https://cognito-idp.{region}.amazonaws.com/{userPoolId}/.well-known/jwks.json

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<https://stackoverflow.com/questions/30154461/aws-cloudfront-not-updating-on-update-of-files-in-s3>

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  function getToken() {

    try{

    var idtoken = window.location.href;

    var idtoken1 = idtoken.split("=")[1];

    var idtoken2 = idtoken1.split("&")[0];

    var idtoken3 = idtoken2.split("&")[0];

    return idtoken1, idtoken2, idtoken3;

    }

    catch{

      window.location.replace("https://unimelb-workshop-trial.auth.ap-southeast-2.amazoncognito.com/login?client\_id=6g1l84kltg78m2annoigo7c3p8&response\_type=token&scope=openid+email+phone+profile&redirect\_uri=https://d20kaehm9l5sb.cloudfront.net/");

    }

  }

  let idtoken1,

    idtoken2,

    idtoken3 = getToken();