

Create an s3 bucket and deploy the reactjs static application on it and provide with the public url for use.

- For doing this task, firstly we have to create one s3 bucket to deploy the reactjs static application. Whereas S3 stands for Simple Storage Service and A bucket is a container for objects stored in Amazon S3. You can store any number of objects in a bucket and can have up to 100 buckets in your account.
- Here I created a bucket named **bucketfor-react** and choosed the aws region which I'm in.
- And then in Object Ownership, I click on ACLs disabled which is recommended.
- I enabled Bucket versioning.
- And leave the rest of the things as default.
- And then I created the bucket.
- Now I went to the permissions of the bucket which I created and edited the Block public access settings to off.
- Then I edited the bucket policy as

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

- Now I went to the properties of the bucket which I created to edit the static website hosting.
- I enabled static website hosting option, Specify the name of index document and error document as index.html in the field of Edit static website hosting and saved the changes.
- Now in command prompt , I created the reactjs application(**myreactapp**) by using the commands:

```
npm install -g create-react-app
create-react-app myreactapp
```

- And now I changed to the created application path as
cd myreactapp
- Now I start the application which is created by using the command:
npm start
- and it navigates to the reactjs application .
- Now in order to deploy the reactjs application which is created above in s3 bucket, I went to objects of s3 bucket which I had created above to upload the objects of reactjs application which is created in command prompt.
- I upload the files of reactjs application which is myreactapp.
- Now I opened the public url **<http://bucketfor-react.s3-website-us-east-1.amazonaws.com/>** which is updated at static website hosting and that url gives me the final output as

