

AWS

- Log into aws.amazon.com

S3 Service

- Create bucket
 - Name and Region
 - Bucket Name: inavig8
 - Region: US West (Oregon)
 - Next
 - Configure Options
 - Next
 - Set permissions
 - Uncheck "Block all public access"
 - check the "I acknowledge that the current settings may result in this bucket and the objects within becoming public"
 - Create bucket
- Click newly created bucket "inavig8"
 - Under Properties
 - Enable static website hosting
 - Use this bucket to host a website
 - Index document: index.html
 - Error document: index.html
 - Save
 - Copy the endpoint (top) and put into a text file for later use
 - Under Permissions
 - Bucket Policy
 - Policy generator (at the bottom)
 - Select type of policy: S3 Bucket policy
 - Effect: allow
 - Principal: *
 - AWS Service: Amazon S3
 - Actions: GetObject
 - ARN: `arn:aws:s3:::inavig8/*`
 - `arn:aws:s3:::<bucket-name>/<principal>`
 - Add statement
 - Generated policy
 - Copy JSON
 - Example:

```
{  
  "Id": "Policy1583348060771",
```

```

"Version": "2012-10-17",
"Statement": [
  {
    "Sid": "Stmt1583348044946",
    "Action": [
      "s3:GetObject"
    ],
    "Effect": "Allow",
    "Resource":
"arn:aws:s3:::inavig82/*",
    "Principal": "*"
  }
]
}

```

- Go back to Bucket policy tab
 - Paste JSON
 - Save

IAM Service

- Select Groups in left pane
 - Create new group
 - Set group name: public-users
 - Next step
 - Attach Policy
 - Check "AmazonS3FullAccess"
 - Next step
 - Review
 - Create group
- Select Users in left pane
 - Add user
 - Username: public-user
 - Access type: check programmatic access
 - Next permissions
 - Add User to group
 - Check public-users
 - Next: tags
 - Add tags
 - Next: review
 - Review
 - Create user
 - Download .csv
 - Note: this will be used for aws configure in the AWS CLI
- Done with IAM service

AWS CLI

- Install AWS CLI (version 2)
 - <https://docs.aws.amazon.com/cli/latest/userguide/install-cliv2.html>
 - Choose the operating system, and install
 - Make sure you are not in folder like web or web/inavig8-admin
 - For Linux:
- `$ curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"`
 - Downloads the latest version
 - `$ unzip awscliv2.zip`
 - Unzips the aws folder and its contents
 - `$ sudo ./aws/install`
 - Installs AWS CLiv2
- Configure AWS CLI
 - Verify that it is installed
 - `$ aws --version`
 - Configure (use the downloaded csv from the IAM)
 - `$ aws configure`
 - Enter access key: <whatever that is on the csv>
 - Enter Secret access key: <whatever that is on the csv>
 - Enter region: us-west-2
 - Enter output: <just hit the enter key>
- Done with configuration

ReactJS

- In the package.json file
 - Under scripts
 - Add a line under "build": "react-scripts build"
 - "deploy": "aws s3 sync build/ s3://inavig8",
 - "deploy": "aws s3 sync build/ s3://<bucket-name>",
 - Save the file
- Open CLI in the inavig8-admin folder
 - Run these commands:
 - `$ npm run build`
 - Creates the build
 - `$ npm run deploy`
 - Uploads the build to the S3 bucket

Internet Browser

- Enter the endpoint from the S3 services

- Example:
 - <http://inavig8.s3-website-us-west-2.amazonaws.com>
 - `http://<bucket-name>.s3-website-<region>.amazonaws.com`