

In this exercise, you will launch an EC2 instance with an IAM role and pull static website content from an S3 bucket to overwrite the default NGINX website.

Exercise Requirements

Prerequisites

- Download zip file for [Bootstrap SB2 Admin Theme Site](#)
- Upload the zip file to your **S3** bucket under a folder called **web** (do not extract it)

EC2 Requirements

- **AMI:** Amazon Linux 2
- **IP Address:** Public
- **Type:** t2.micro
- **IAM Role:** web (created in the previous exercise)
- **Security group:** accessible from **anywhere** on **port 80**
- **Init Script:** see below

Init Script

Copy the following script into the **User data** text box in the EC2 Instance Launch Wizard.

Note: you must change the to your bucket name (with no spaces after the = sign)

```
#!/bin/bash
```

```
BUCKET_NAME=<s3-bucket-name-place-holder>
```

```
yum update -y
```

```
amazon-linux-extras install nginx1.12 -y
```

```
service nginx start
```

```
aws s3 cp s3://${BUCKET_NAME}/web/startbootstrap-sb-admin-2-gh-pages.zip
```

```
cd /tmp
```

```
unzip start*
```

```
mv startbootstrap-sb-admin-2-gh-pages html
```

```
rm -rf /usr/share/nginx/html
```

```
mv /tmp/html /usr/share/nginx/
```

Goal

You should be able to see the SB Admin 2 web page with images displayed in the browser.

Init Script Explanation

This is not necessary to understand in order to complete the exercise. But in case you are interested, here is what the init script does.

The init script installs Nginx web server.

Then it uses the **aws-cli s3 cp command** to copy the **Bootstrap Theme** zip file from **S3** into the **/tmp** directory on the EC2 instance. Next, the init script extracts the file using the **unzip** command.

Finally, the init script overrides the contents of the **/usr/share/nginx/html** directory with the contents of the unzipped folder.

