



CS 470 Module Three Assignment Guidelines and Rubric

Overview

In this assignment, you will create an S3 bucket and copy over the Angular distribution built for running in AWS. You will configure S3 as a webserver and eliminate the need for the original server. Along the way, security policies will be set for buckets and objects within the buckets.

Prompt

In Module Two, you forked and cloned the **learn-angular-from-scratch-step-by-step** code into the **lafs-web** directory on your computer. Now you need to do some work to make that codebase ready for use on Amazon Web Services.

You will be using the [CS 470 Module Three Assignment Guide](#) to set up a static website in the cloud.

Specifically, you must address the following rubric criteria:

- Prepare the Angular application.
- Create the S3 bucket.
- Copy the frontend to S3 file storage.
- Configure the static website.
- Configure S3 Public access.
- Configure the S3 bucket policy.

What to Submit

Submit screenshots of the following items, which must contain your unique bucket name:

- Static website hosting dialog that shows S3 configured as a server
- Settings showing the permissions of the bucket with public access allowed
- The S3 bucket showing Angular files

In addition, submit a JSON file with the bucket policy showing read-only. Also provide the bucket name URL. There is a template for this: `http://{bucket-name}.s3-website-{region-name}.amazonaws.com`. So for example, if your bucket name is "example" and region is "us-east-1", the URL would be "http://example.s3-website-us-east-1.amazonaws.com/ (1,2,3,4,5)".

Submit all three screenshots, the JSON file, and the bucket URL to Brightspace.

Module Three Assignment Rubric

Criteria	Proficient (100%)	Needs Improvement (75%)	Not Evident (0%)	Value
Prepare Angular Application	The application is built correctly in the dist directory	Shows progress towards proficiency, but with errors; areas for improvement may include the application not being built correctly, or the dist directory not being properly populated	Does not attempt criterion	5
S3 Bucket	Creates S3 Bucket	N/A	Does not attempt criterion	15
Copy Frontend	The Angular application dist directory has been uploaded to S3	Shows progress toward proficiency, but with errors or omissions; areas for improvement may include copying the correct Angular application files, or placing the files into the right S3 bucket/folder	Does not attempt criterion	5
Configure Static Website	Configures S3 for running as a web server, testable using the S3 URL. The S3 bucket is configured as a static website	N/A	Does not attempt criterion	25
Configure S3 Public Access	Sets the security configuration for S3 as a web server and adds a policy to the bucket	Shows progress toward proficiency, but with errors or omissions; areas for	Does not attempt criterion	25

	to make it public. S3 Block Public Access is correctly disabled	improvement may include setting all public access to on		
Configure S3 Bucket Policy	Sets the security configuration for S3 as a web server and adds a policy to the bucket to allow for read-only	Shows progress toward proficiency, but with errors or omissions; areas for improvement may include correctly defining S3 Bucket policy, enabling only read-only access, or enabling the correct bucket	Does not attempt criterion	25
Total:				100%