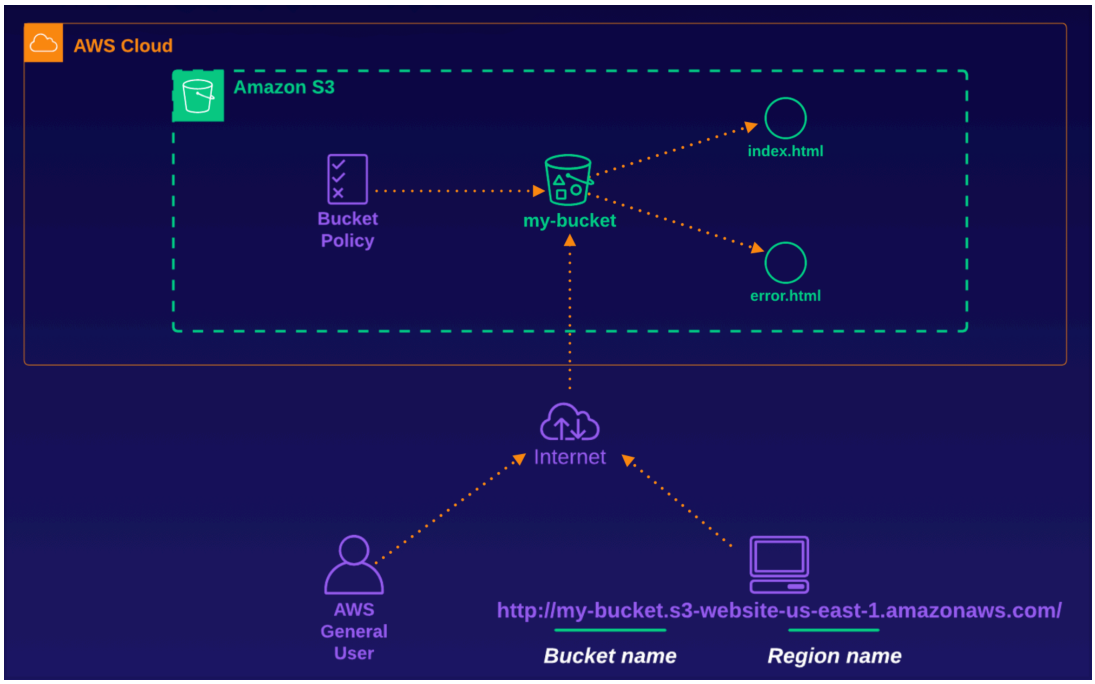
In this project, I'll assist you in creating a static website utilizing Amazon S3

Shall we begin? Yoohooo!

I want to inform you that I am using some resources from Cloud Guru, and I extend special thanks to them!

1. First we need require our lab diagram.



Now that we have our lab diagram, we can log into our account and commence our project.

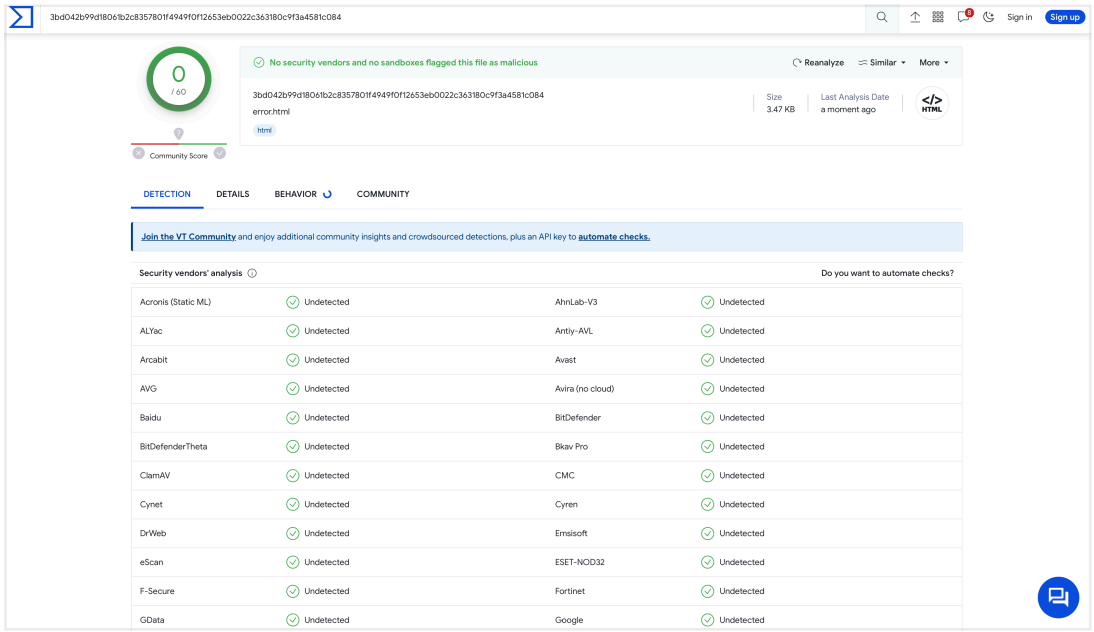
2. **Let's log into your account. If you don't have one yet, you can create a free account on the AWS website. Please be mindful that using services like S3 from AWS may incur costs.**

3. **Feel free to click on the link to either log in or join the website: https://aws.amazon.com**

4. **You can download our HTML resources from the Cloud Guru's GitHub page: https://github.com/ACloudGuru-Resources/Course-**

Certified-Solutions-Architect-Associate/tree/master/labs/creating-a-static-website-using-amazon-s3

5. **It is always a good practice to obtain file hashes and verify them through total virus scanning whenever we download any file from the internet. (In the image below, you can see that VirusTotal has confirmed the legitimacy of the file. Now that we have this information, we can move on to the next step.)**



6. **Please ensure you do this for both files. You can either find the hashes in the file and copy-paste them, or you can directly drop the file into VirusTotal for verification.**

7. **Now that we have confirmed that the files do not contain any malicious code, we can proceed to the next step.**

8. **Next, navigate to your AWS account and search for the S3 bucket 🪣 , And then, click on it.**

9. **Click on "Create Bucket."**

10. **Now, provide a unique globally-unique name for your bucket. Remember, I will name mine "wecanmakethisworldabetterplace."**

11. **Next, choose the region for your bucket.**

12. **Ensure to deselect all public access options to restrict access to your website only to authorized users.**

13. **To confirm the changes, make sure to check the acknowledgment box.**

14. **To keep it simple, refrain from making any further modifications to our settings.**

15. **Click on "Create Bucket" to finalize the process.**

16. **After it has been created, you can select your bucket.**

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17. **Now, let's proceed to upload our files.**

18. **Click on "Upload," then select your file and click on "Upload" to proceed.**

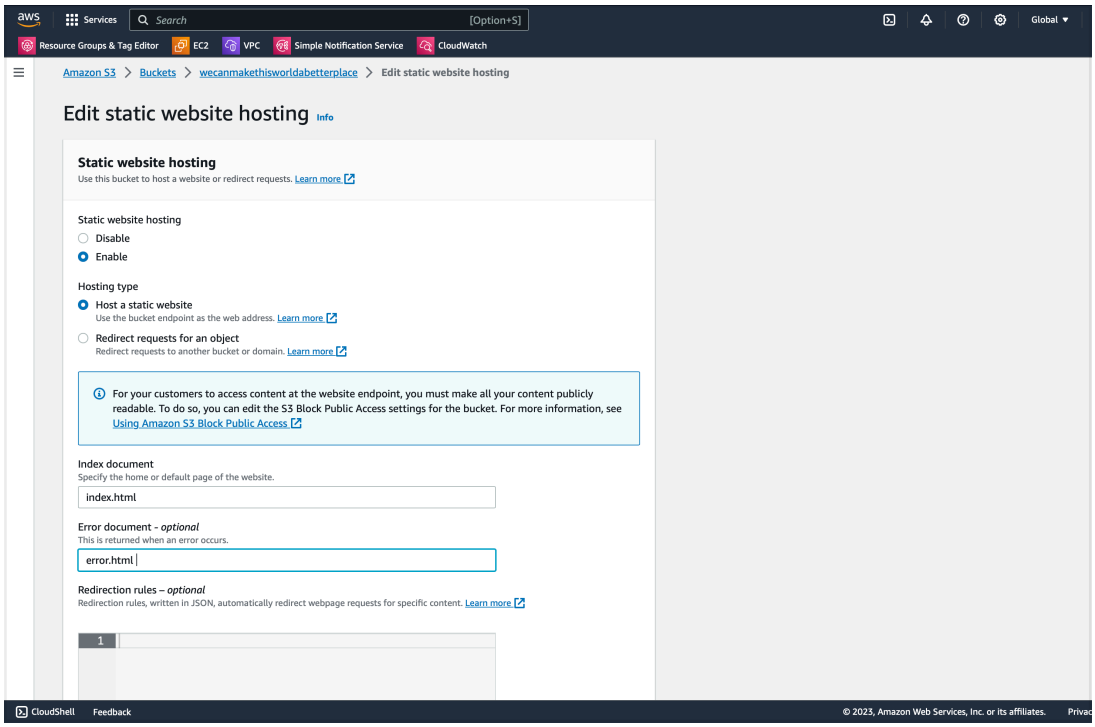
19. **Click on "Close," then proceed to click on "Properties." Scroll down the page and locate the section titled "Static Website Hosting."**

20. **Select "Edit," then click on "Enable" to activate the static website hosting.**

21. **Choose "Host a static website" as the hosting type.**

22. **Under the document section, you can enter your file name (index.html).**

23. **For the Error document, enter "error.html".**



24. **You can now click on "Save Changes" to apply the modifications.**

25. **Now, scroll down the page again to find the link to your website under the "Static Website Hosting" section.**

26. **Now, navigate to the "Permissions" section.**

27. **Under the "Bucket Policy" section, click on "Edit."**

28. **Copy the Bucket ARN (Amazon Resource Name).**

29. **On the right-hand side, click on "Policy Generator."**

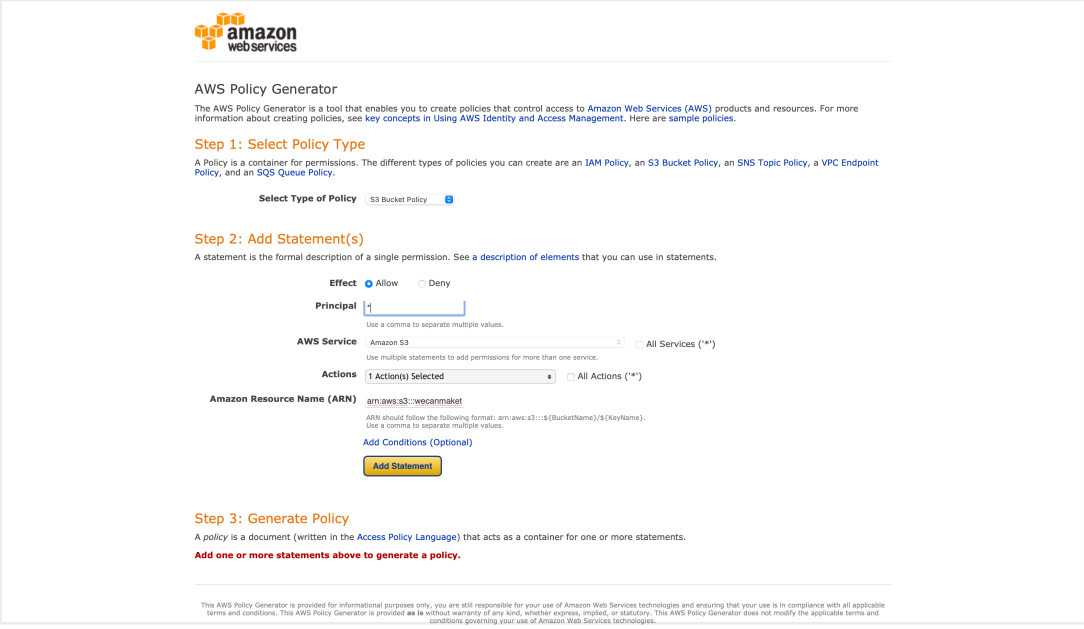
30. **Under "Select Type of Policy," choose "S3 Bucket Policy."**

31. **Set "Effect" to "Allow," and for the "Principal," type "*," which means everyone.**

32. **Under "Action," click on "Get Object." This will provide read access only to the public.**

33. **Under Amazon ARN, paste the link you copied earlier. At the end of the link, make sure to add "/*". This means the policy applies to all objects in the bucket.**

34. **Click on "Generate Policy," then copy and paste the generated code into the bucket policy. Afterward, click on "Save Changes" to apply the policy.**



35. **You can proceed to click on "Static Website Hosting," then copy the provided link and paste it into your browser to view your website.**

36. **To test if your error page is working, you can add additional nonsense to the end of your link like this: `/bluhblublu.html`.**

Note: I have developed my own HTML code that you can use if you would like. You can find it in the file on GitHub.