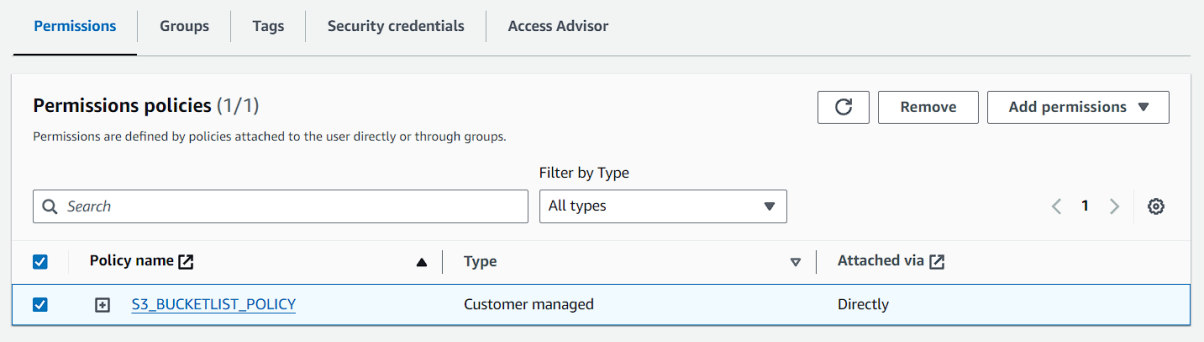
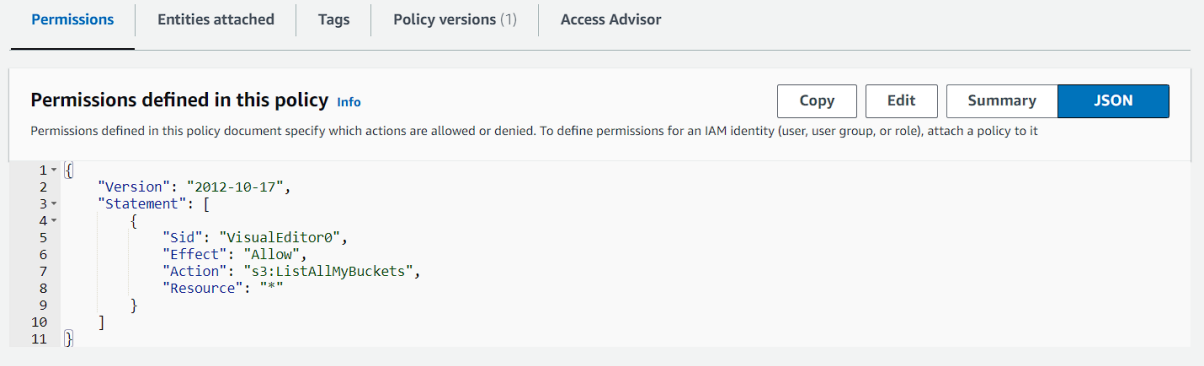
😊 IAM POLICY

ALLOW ACCESS TO AN S3 BUCKET

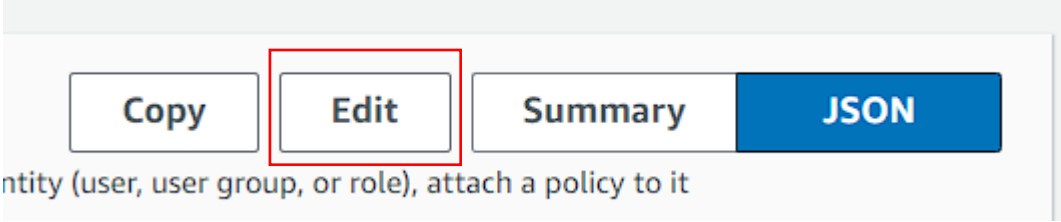
1. So, in the previous lab you created a policy in IAM for your User.
2. The policy was just to list the bucket that are in you S3.
3. But in this lab, you are going to provide access to a single bucket which you want to access.
4. For that navigate to IAM, then to policy.
5. Now open your custom policy which you created. You have to make some changes with the policy.



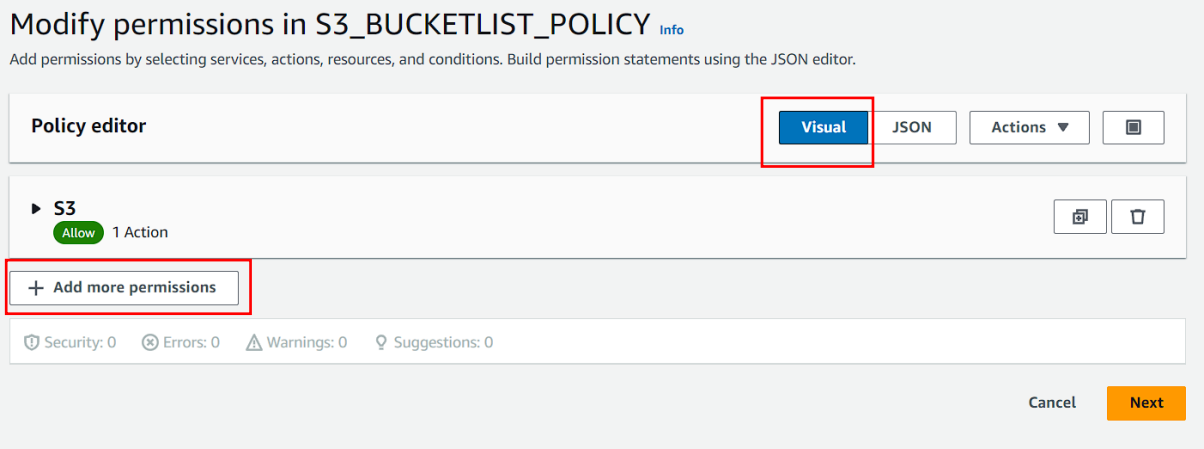
6. Now if you want to view JSON representation of the policy, you can also do that by selecting JSON in the permissions section.



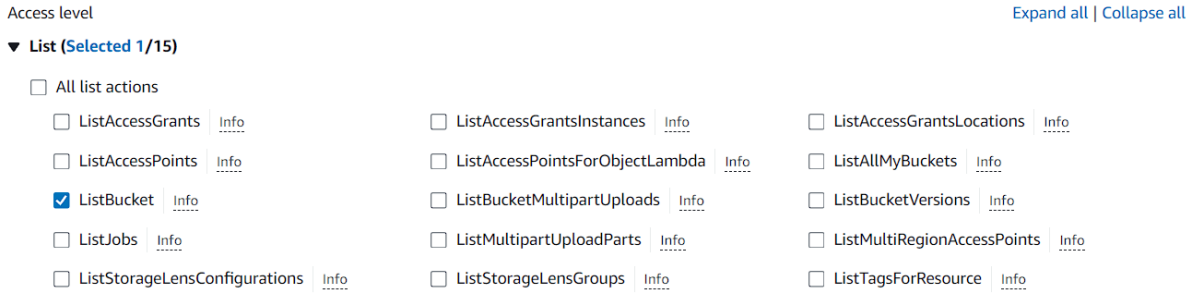
7. To make changes to your policy you need to click on edit.



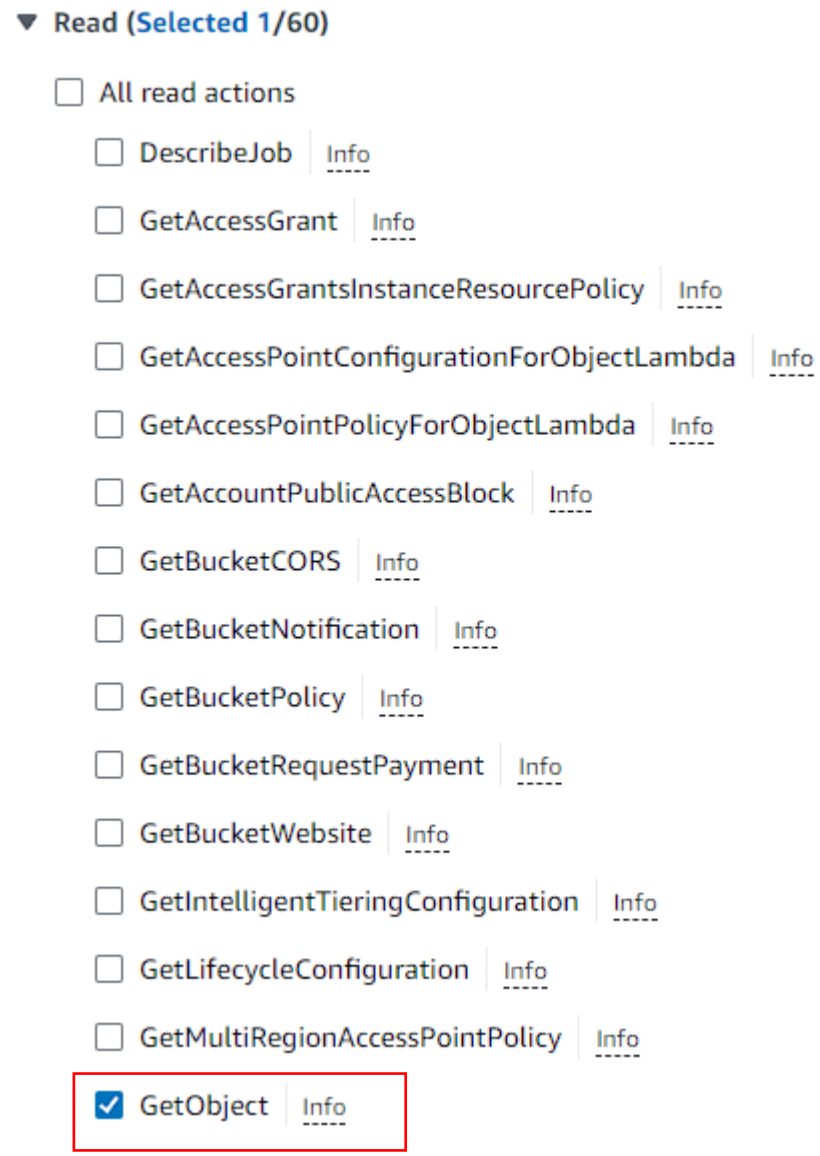
8. In the policy editor select it to Visual.
9. This time click on add more permission.



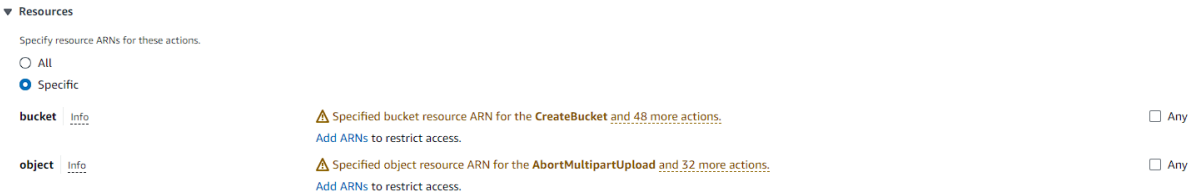
10. Again, you need to choose S3 as your service.
11. Expand list and select list bucket action.



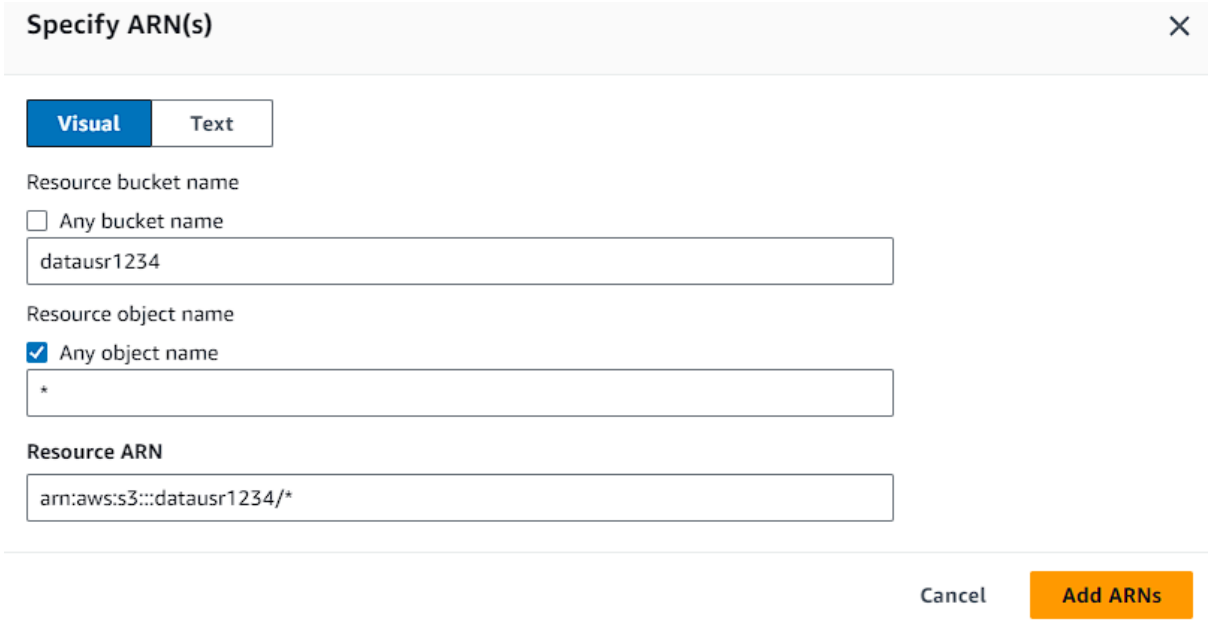
12. Then in Read, expand it. Then scroll a little you will see an action for Get bucket, select this.



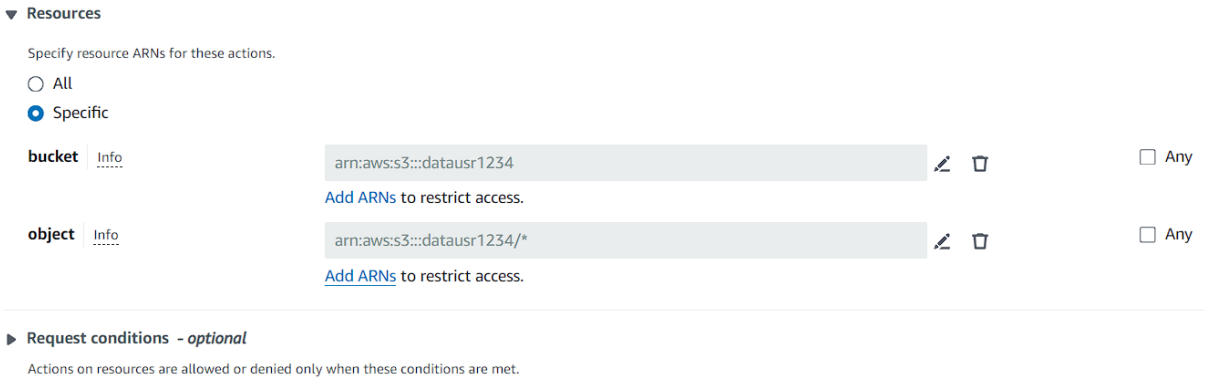
13. After selecting these two actions if you scroll down to the bottom.
14. You will see some options for resources. Now this option is to select specific bucket which you need by adding its ARN (Amazon Resource Name)
15. Do not select all because you don't want your other buckets to be accessed.
16. Now click on add ARNs and add your bucket name



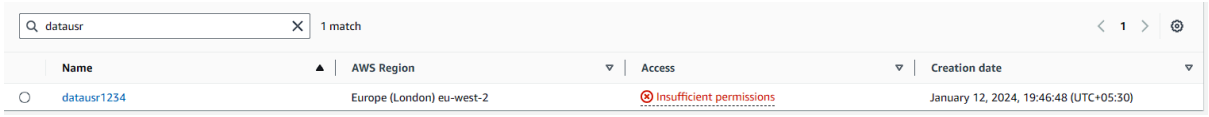
17. So, when you will click on bucket ARN just give this the name of your bucket.
18. But for the object ARN the name is same but you need to tick at Any object name. This will give you full access to any object within the bucket.



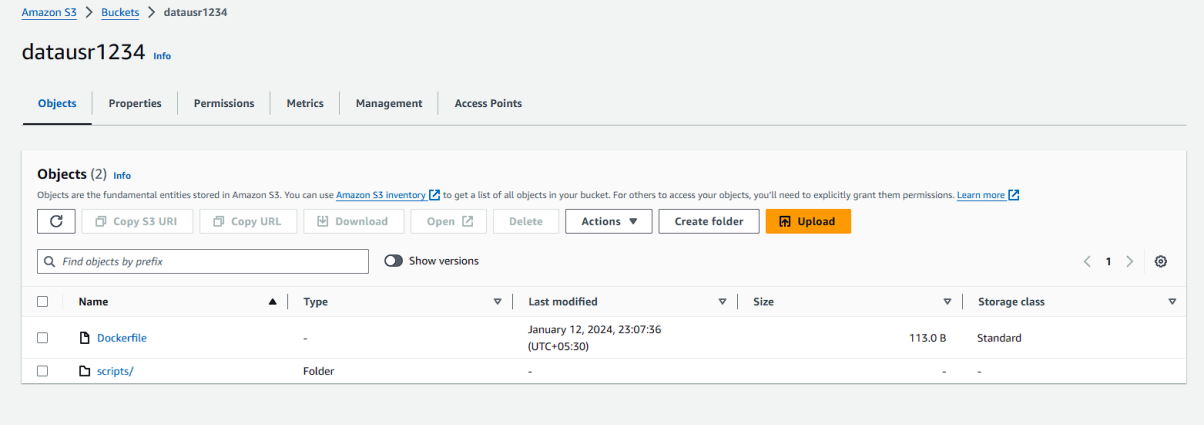
19. After adding both the ARNs just save it.



20. Once you have saved everything, now go back and log in with IAM user in a different browser.
21. Then navigate to S3. In the buckets you will see that you still have insufficient permission.



22. But if you will open your bucket. You can view its content.



23. Let’s check for other buckets that you can access their buckets or not.
24. As you can see you don’t have any access other the bucket that you desired to give access.