Consuming Data from s3 using boto3

Create policy to read from s3 Bucket: To read the data from specific s3 bucket we need to create the policy and that policy is attached to the group through the user.

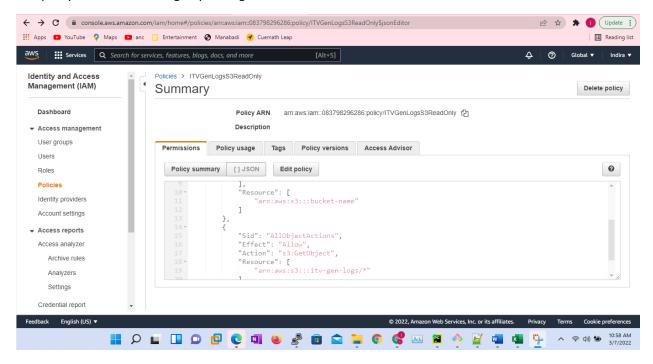


Figure 1Created the policy with read only permissions

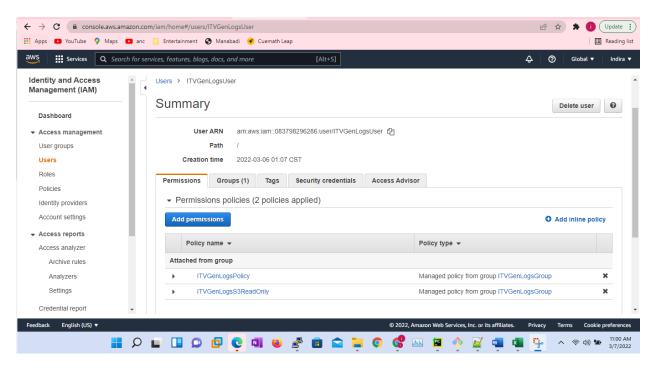


Figure 2 ITVGenLogsReadOnly policy attached to the user

Validating whether the genlogs user have the permissions to access the objects with in the s3 bucket ITVGenLogs using AWS CLI

```
pchra8DESKTOP-06V8C9M MINGM64 /c/development/practice
5 aws configure --profile ITVGenLogalser
AMS Access key ID [Nune]: AKIARHAMG3PP473QY76
AMS Secret Access key [Nune]: AffalkaMg3PP473QY76
AMS Secret Access key [Nune]: AffalkaMg3PP473QY76
Default region name [Nune]:
Default output format [Nune]:
Pchra8DESKTOP-06V8C9M MINGM64 /c/development/practice
5 aws 53 ls itv-gen-logs --profile ITVGenLogsUser
An error occurred (AccessDenied) when calling the ListObjectsV2 operation: Access Denied
nchra8DESKTOP-06V8C9M MINGM64 /c/development/practice
5 aws 53 ls itv-gen-logs --profile ITVGenLogsUser
PRE logs /
pchra8DESKTOP-06V8C9M MINGM64 /c/development/practice
5 aws 53 ls itv-gen-logs/logs --profile ITVGenLogsUser
PRE logs /
pchra8DESKTOP-06V8C9M MINGM64 /c/development/practice
5 aws 53 ls itv-gen-logs/logs --profile ITVGenLogsUser
PRE logs /
pchra8DESKTOP-06V8C9M MINGM64 /c/development/practice
5 aws 53 ls itv-gen-logs/logs --profile ITVGenLogsUser
PRE logs /
pchra8DESKTOP-06V8C9M MINGM64 /c/development/practice
5 aws 53 ls itv-gen-logs/logs --profile ITVGenLogsUser
PRE logs /
pchra8DESKTOP-06V8C9M MINGM64 /c/development/practice
5 aws 53 ls itv-gen-logs/logs --profile ITVGenLogsUser
PRE logs /
pchra8DESKTOP-06V8C9M MINGM64 /c/development/practice
5 aws 53 ls itv-gen-logs/logs --profile ITVGenLogsUser
PRE logs /
pchra8DESKTOP-06V8C9M MINGM64 /c/development/practice
```

Setup Python Virtual Environment to Explore boto3

Create the virtual environment using the below commands: python venv genlogss3-venv genlogss3-venv/scripts/activate pip install boto3 pip install jupyter lab

